NELAP CERTIFICATE NUMBER 01955

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 08/14/2006

GCAL Report 206080304

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Dr Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Eric Matzner

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

9167346

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080304

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

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

166426

Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

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

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

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

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206080304

THIS REPORT CONTAINS 17 PAGES.

166427

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608030401	NB4SE08-024(1-2)	Solid	08/02/2006 10:30	08/03/2006 09:10
20608030402	NA4SE04-021(1-2)	Solid	08/02/2006 10:55	08/03/2006 09:10
20608030403	NA3SE03-020(1-2)	Solid	08/02/2006 11:15	08/03/2006 09:10
20608030404	NB3SE07-023(1-2)	Solid	08/02/2006 11:20	08/03/2006 09:10
20608030405	NB2SE06-022(1-2)	Solid	08/02/2006 11:35	08/03/2006 09:10
20608030406	NC3SE11-027(1-2)	Solid	08/02/2006 13:25	08/03/2006 09:10
20608030407	NC3SE10-026(1-2)	Solid	08/02/2006 13:35	08/03/2006 09:10
20608030408	NC1SE09-025(1-2)	Solid	08/02/2006 13:45	08/03/2006 09:10

TRANSMITTAL

STE

Soil Testing Engineers, Inc.

To: **Gulf Coast Analytical Laboratories, Inc.**
7979 GSRI Avenue
Baton Rouge, LA 70820

Date: August 9, 2006
Job No.: 06-7074
Project: #206080304

Attention: **Dana Merrill**

From: George L. Perkins, C.E.T.

COPIES	DESCRIPTION
1	Gradation Curves
1	Chain of Custody

THESE ARE TRANSMITTED:

■ **FOR YOUR USE** ☐ **FOR REVIEW & COMMENT** ■ **AS REQUESTED**

☐ **REVISE AS NOTED** ☐ **TO BE DISTRIBUTED**

REMARKS: _____

AASHTO Accredited Laboratory
LELAP Certificate No. 02052

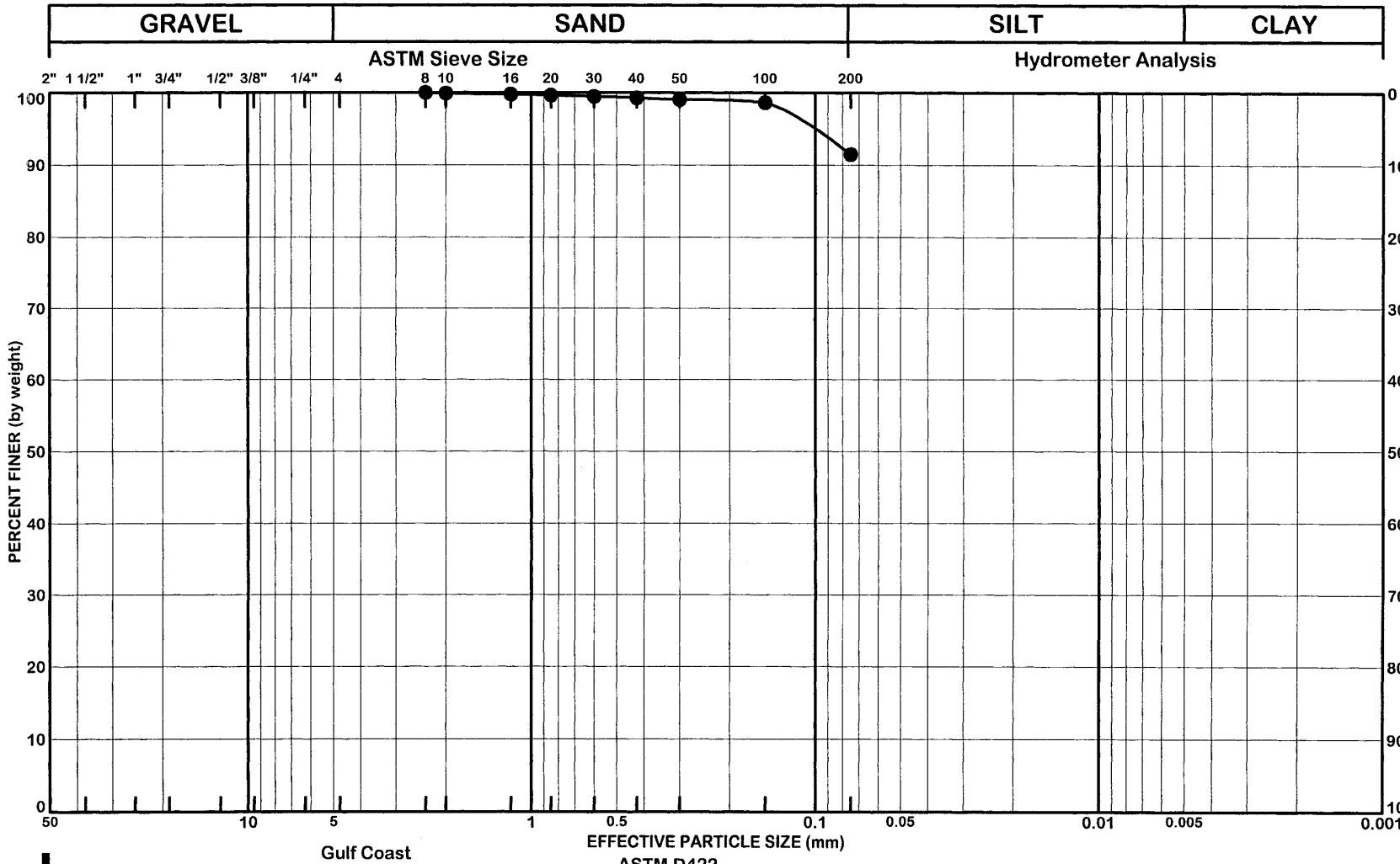
316 HIGHLANDIA DRIVE
BATON ROUGE, LA 70810
(225) 752-4790 FAX: (225) 752-4878

000005

166429

Sample No.	Identification	Gravel (%)	Sand (%)
● NB4SE08-024(1-2)	20608030401	0.0	8.5
▣			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080304
Baton Rouge, LA

ASTM D422

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

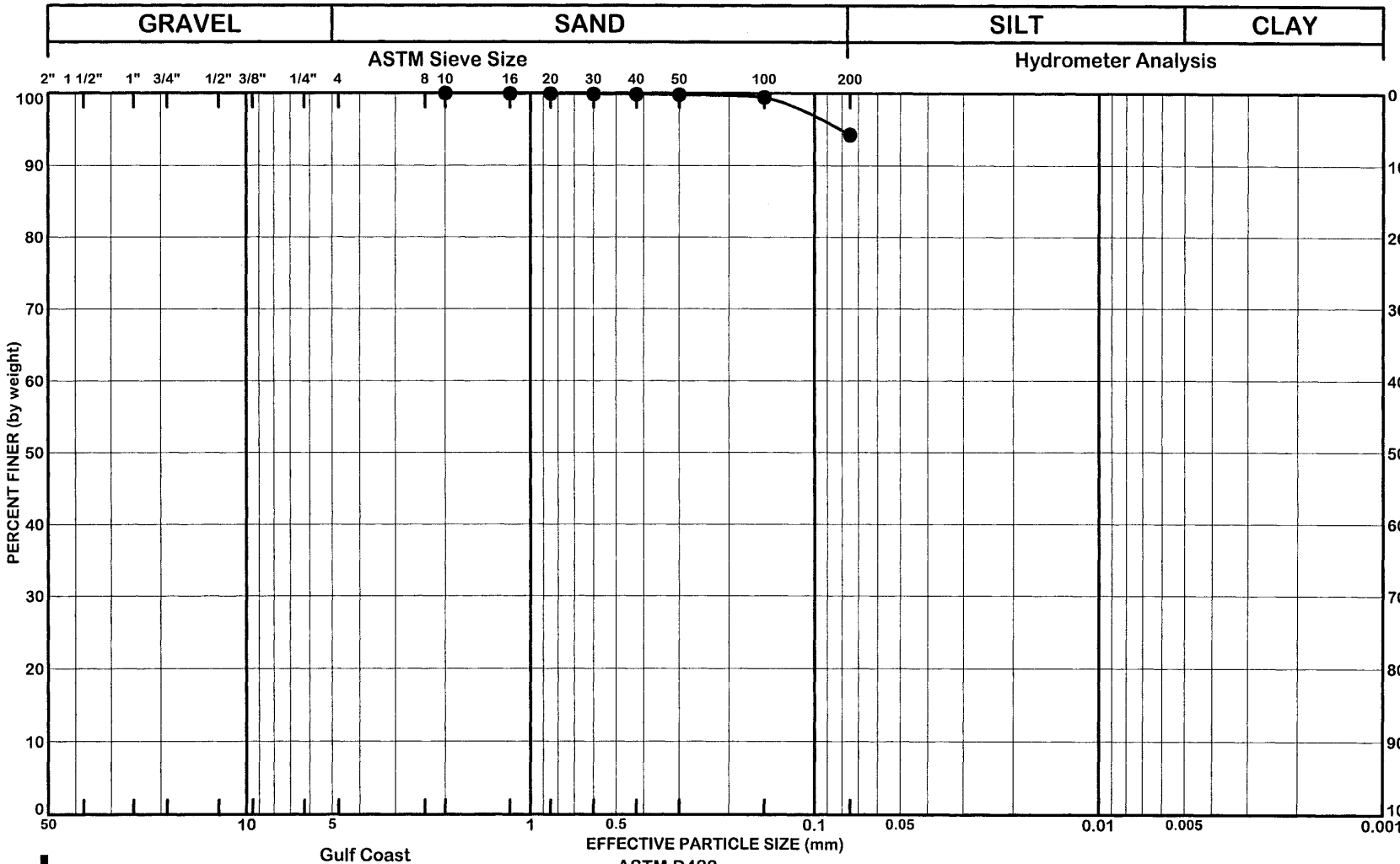
900000

STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

166430

Sample No.	Identification	Gravel (%)	Sand (%)
● NA4SE04-021(1-2)	20608030402	0.0	5.8
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080304
Baton Rouge, LA

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

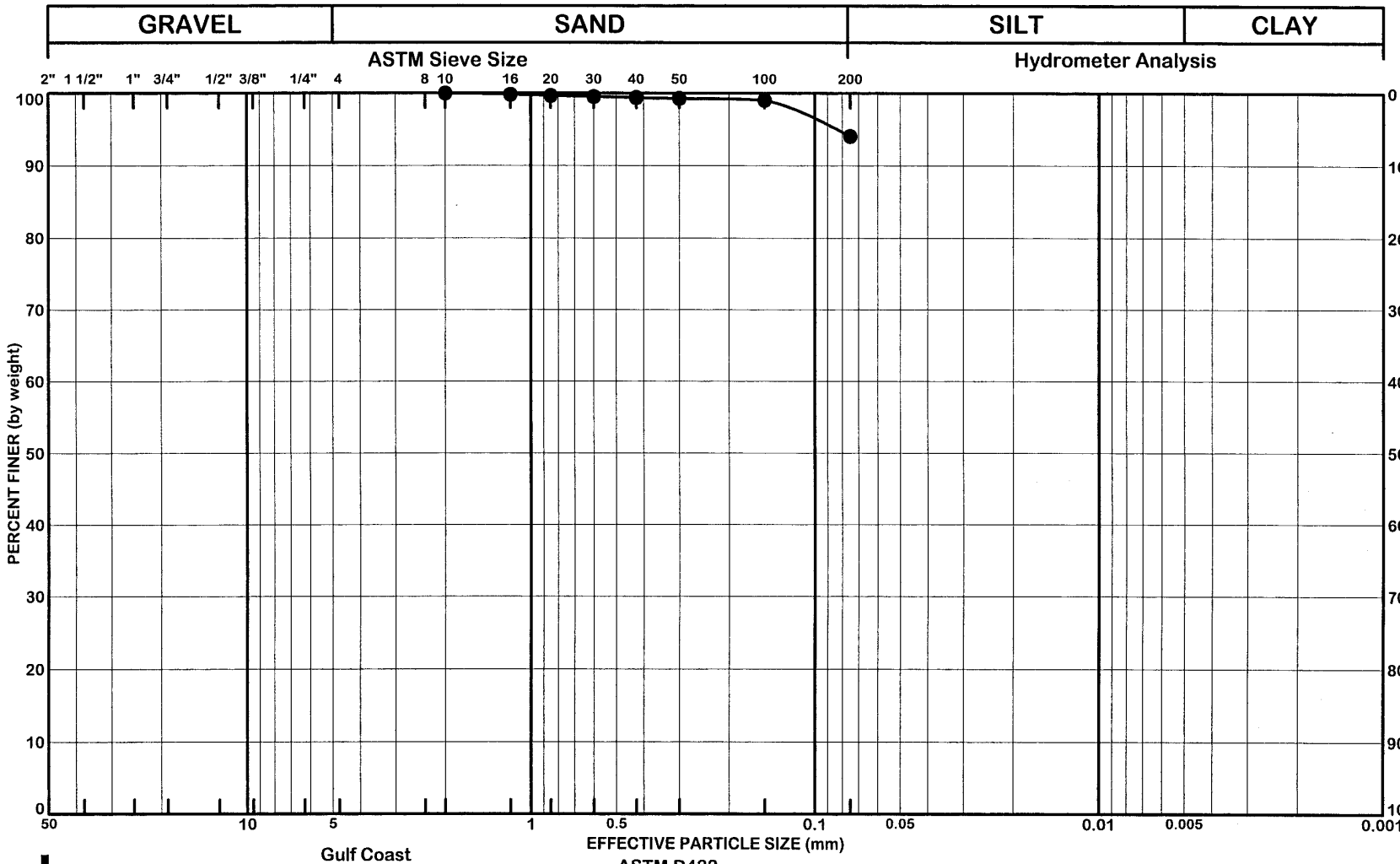
STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

000007

166431

Sample No.	Identification	Gravel (%)	Sand (%)
● NA3SE03-020(1-2)	20608030403	0.0	5.9
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080304
Baton Rouge, LA

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

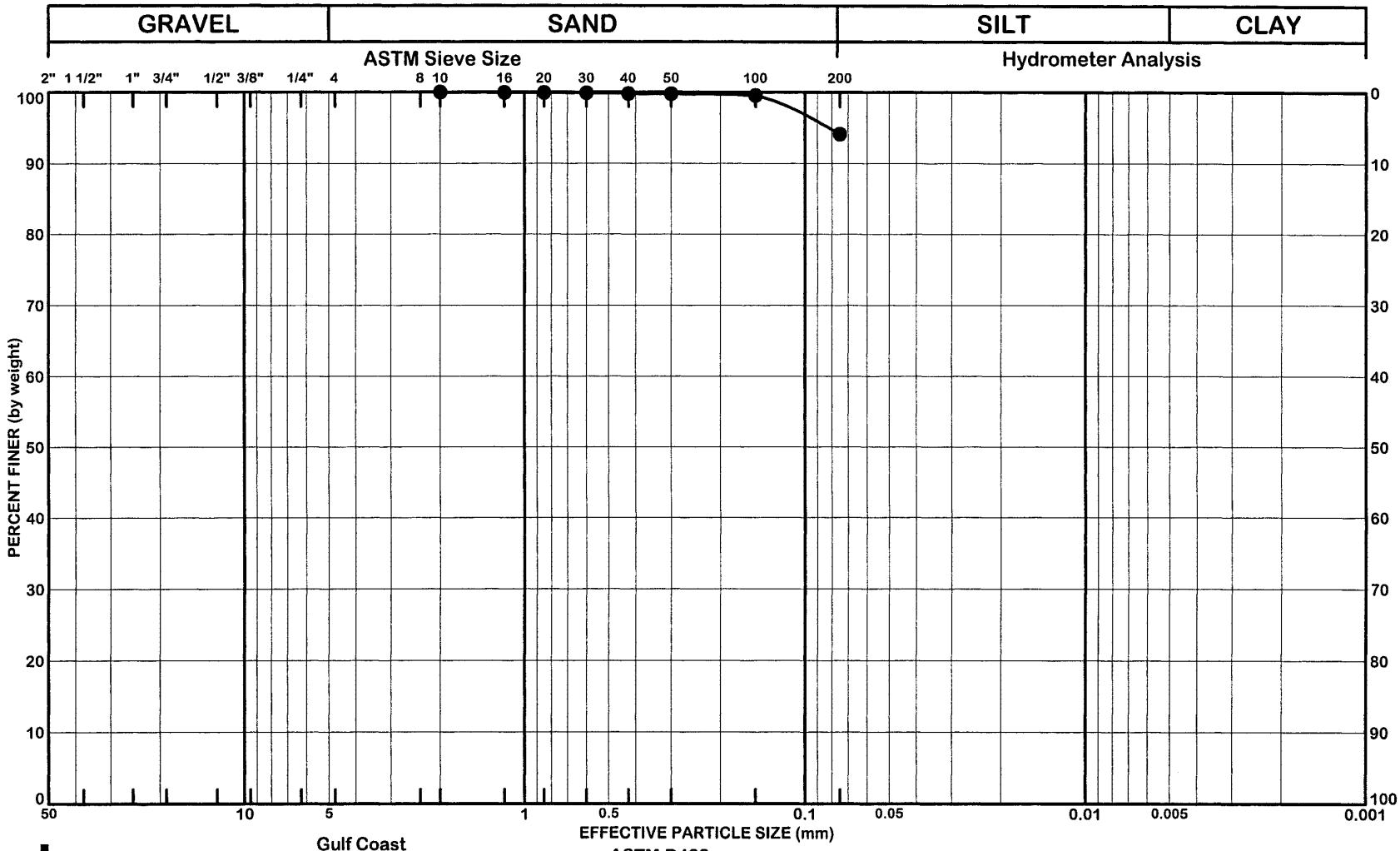
STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

800000

166432

Sample No.	Identification	Gravel (%)	Sand (%)
● NB3SE07-023(1-2)	20608030404	0.0	5.8
▣			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080304
Baton Rouge, LA

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

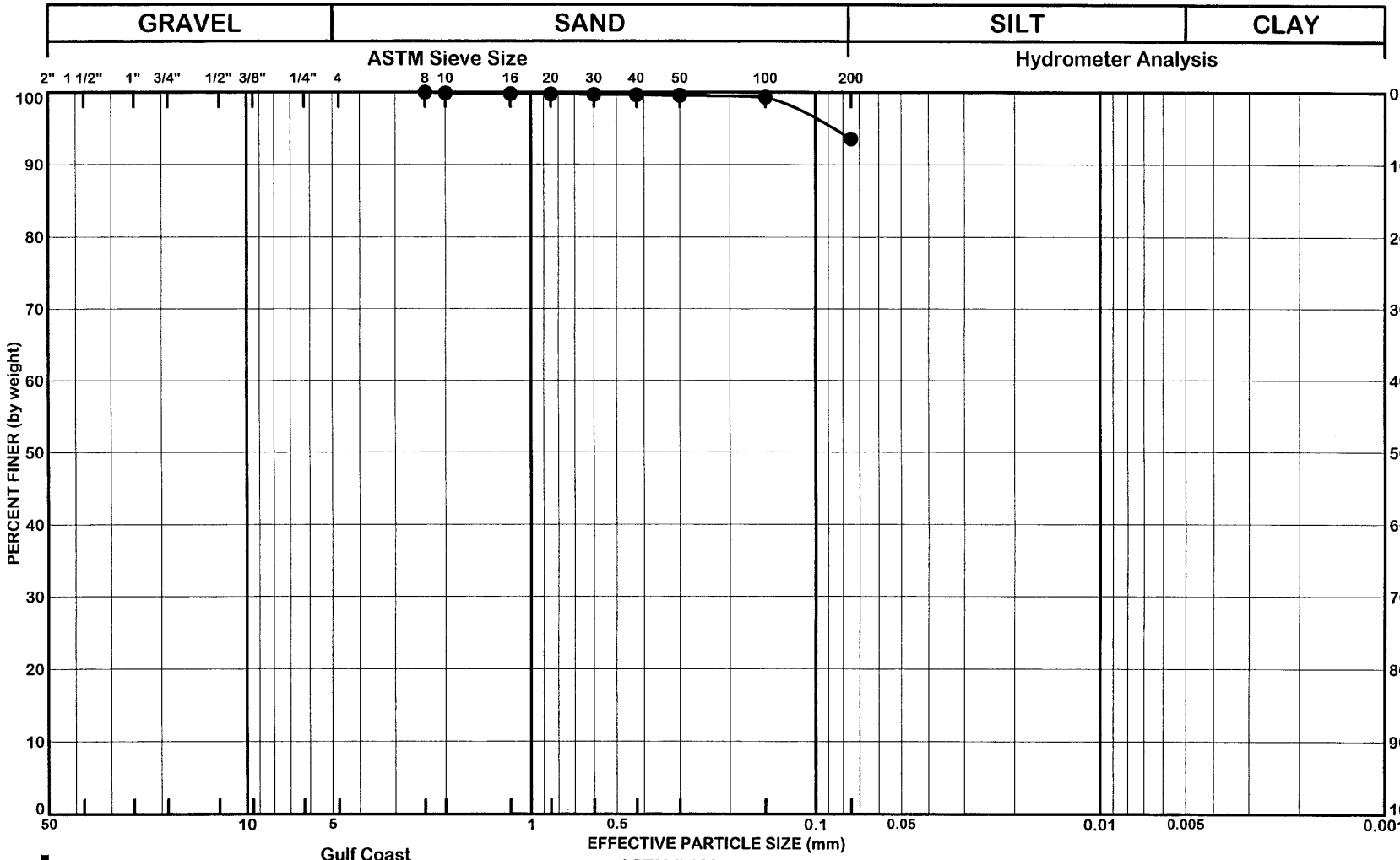
600000

STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

166433

Sample No.	Identification	Gravel (%)	Sand (%)
● NB2SE06-022(1-2)	20608030405	0.0	6.4
▣			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

Gulf Coast
Analytical-206080304
Baton Rouge, LA

STE
Soil Testing Engineers, Inc.

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

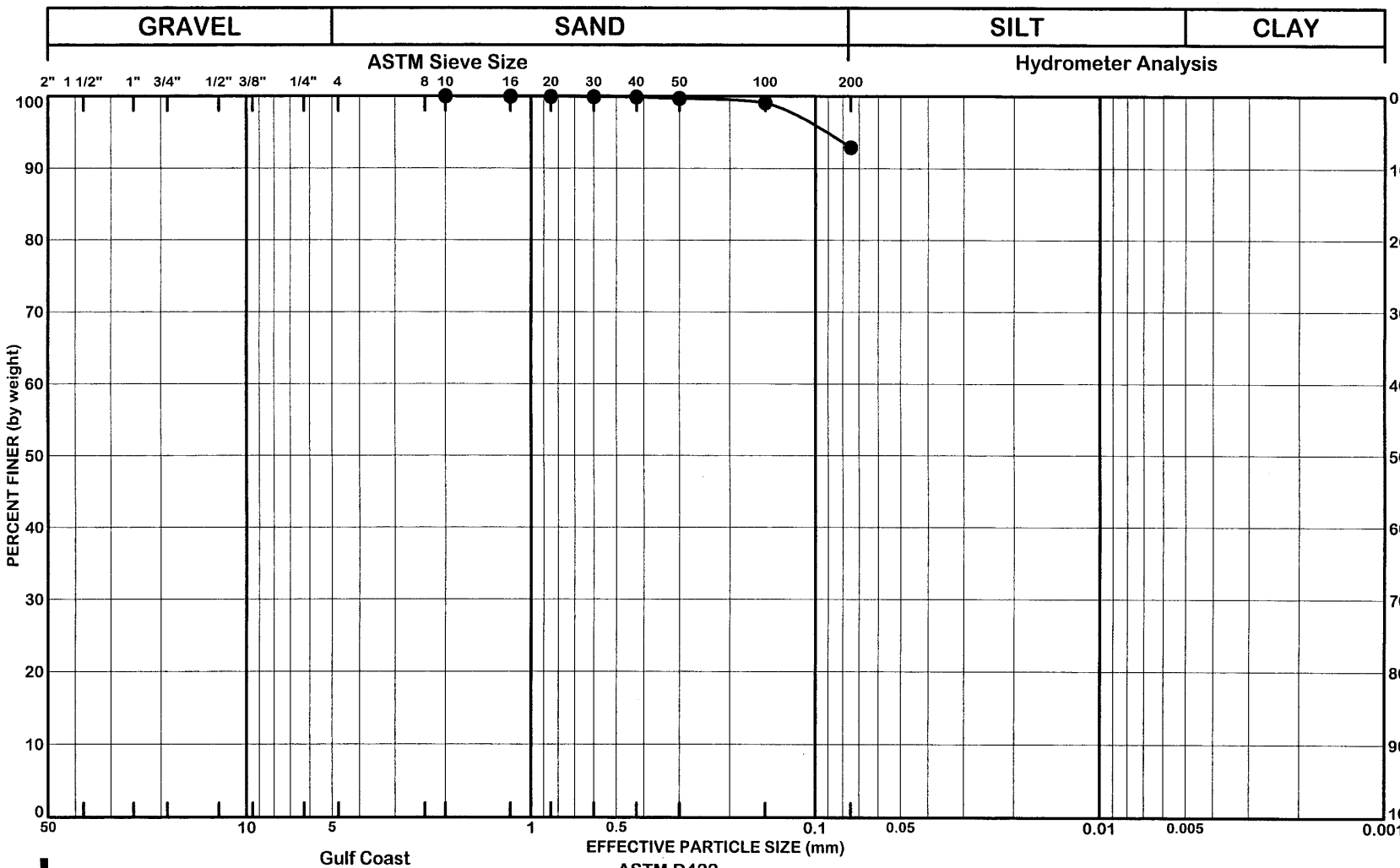
STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

000010

166434

Sample No.	Identification	Gravel (%)	Sand (%)
● NC3SE11-027(1-2)	20608030406	0.0	7.1
▣			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

Gulf Coast
Analytical-206080304
Baton Rouge, LA

STE
Soil Testing Engineers, Inc.

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

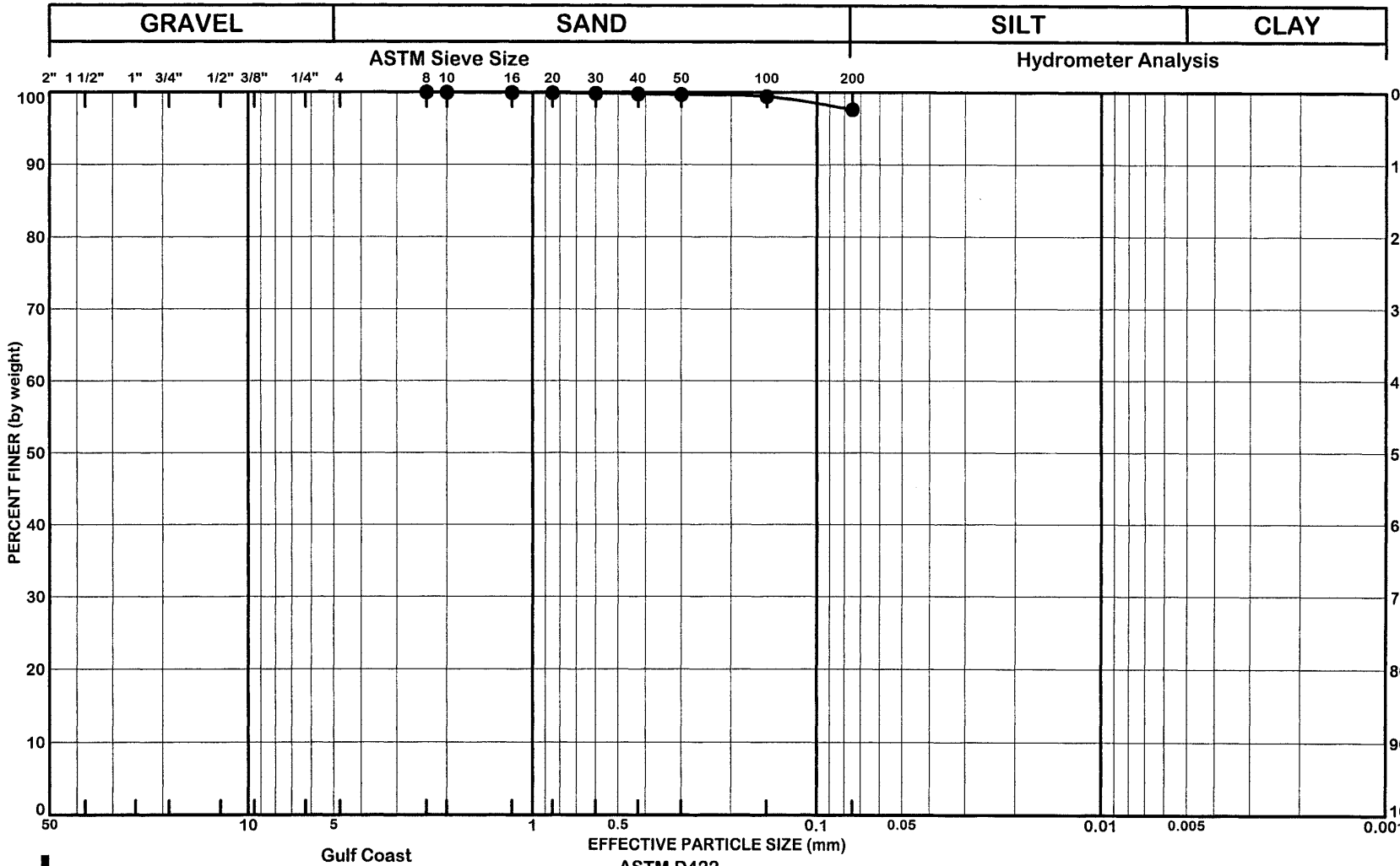
STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

000011

166435

Sample No.	Identification	Gravel (%)	Sand (%)
● NC3SE10-026(1-2)	20608030407	0.0	2.4
▣			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080304
Baton Rouge, LA

ASTM D422

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

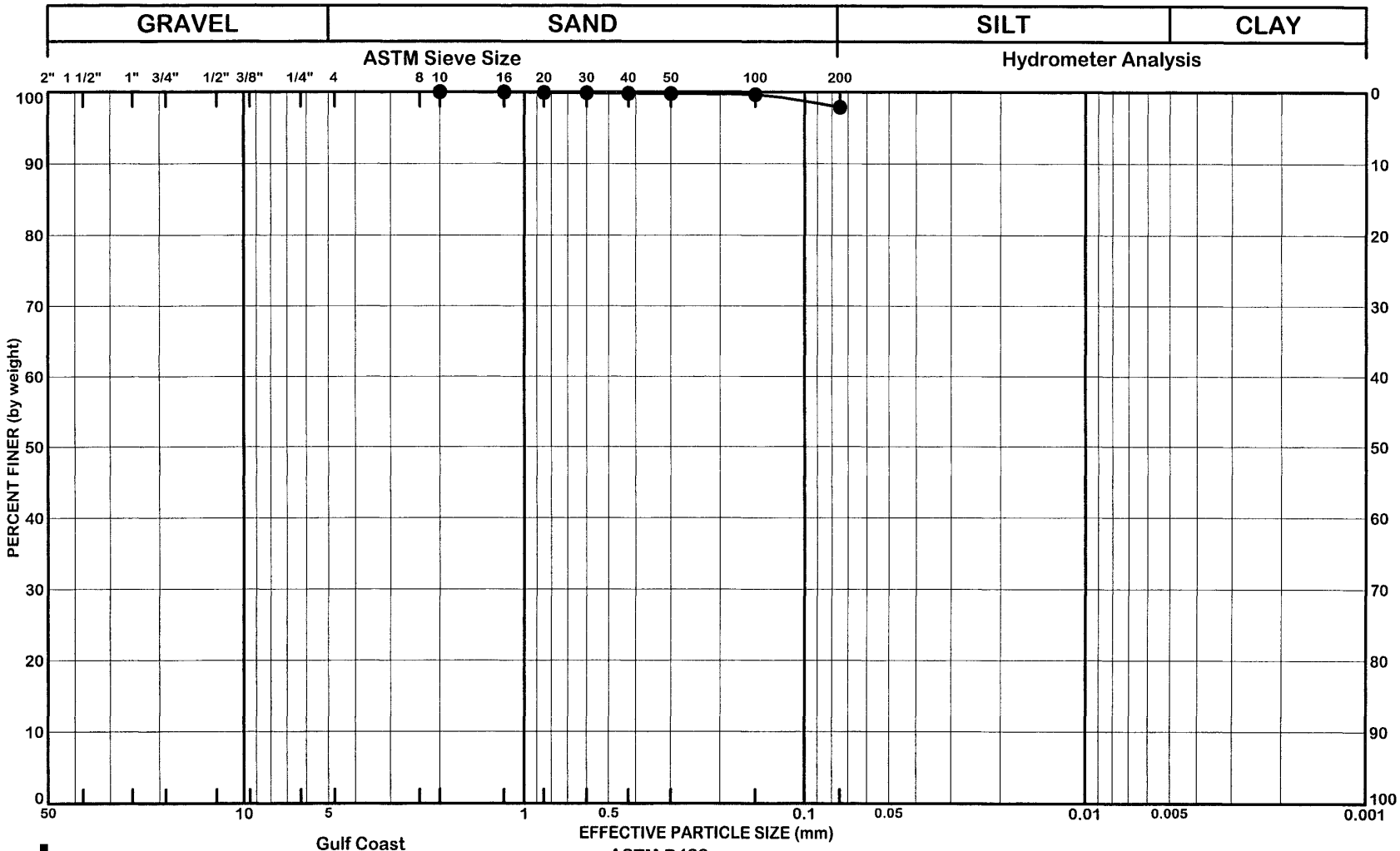
STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 06/09/06

000012

166436

Sample No.	Identification	Gravel (%)	Sand (%)
● NC1SE09-025(1-2)	20608030408	0.0	2.1
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080304
Baton Rouge, LA

GRAIN SIZE ANALYSIS

File No.: 06-7074
Date: 8/8/2006

STE GRAINSZ01 06-7074.GPJ GRAINSZ.GDT 08/08/06

000013

166437

06-7074

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI AVE, BATON ROUGE LA 70820-7402
(225) 769-4900 FAX (225) 767-5717

Soil Testing Engineers
316 Highlandia Drive
Baton Rouge, LA 70884

George Perkins
752-4790
GCAL COURIER

Chain of Custody Record

Submitted by
Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue
Baton Rouge, LA 70820
Contact: Dana Merrill
Phone: (225)769-4900
Fax: (225)767-5717

Bill to
Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue
Baton Rouge, LA 70820
Contact: Accounts Payable
Phone: (225)769-4900
Fax: (225)767-5717

P.O. Number: 060951
Project Name/Number: 206080304
Sampled By: 4482

* Our P. O. Number must appear on the Invoice.

* Our Project Number must appear on the final report.

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	GRAIN SIZE ASTM C-136	Remarks:	Lab ID
S	8/2/06	1030		X	NB4SE08-024(1-2)	N/A	1	X	20608030401	
S	8/2/06	1055		X	NA4SE04-021(1-2)	N/A	1	X	20608030402	
S	8/2/06	1115		X	NA3SE03-020(1-2)	N/A	1	X	20608030403	
S	8/2/06	1120		X	NB3SE07-023(1-2)	N/A	1	X	20608030404	
S	8/2/06	1135		X	NB2SE06-022(1-2)	N/A	1	X	20608030405	
S	8/2/06	1325		X	NC3SE11-027(1-2)	N/A	1	X	20608030406	
S	8/2/06	1335		X	NC3SE10-026(1-2)	N/A	1	X	20608030407	
S	8/2/06	1345		X	NC1SE09-025(1-2)	N/A	1	X	20608030408	

Turn Around Time: 24 - 48 hrs **3 days** 1 week X standard other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Don Pmlland	8-4-06	0805
Don Pmlland	[signature]	8406	9:35
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
Level IV Package

Please fax results to (225)769-4900
PLEASE RETURN ICE CHESTS TO 7979 GSRI AVE.

Matrix: W = water, S=Soil, SD=Solid, L=Liquid, SL=Sludge, O=Oil, CT=Charcoal Tube, OVM=Organic Vapor Monitor, XT=XAD Tube, A=Air Bag, SUM=Summa Canister

000014

166438

PBW/4462/2060803 04/8-10-06

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

001163

COC No.

☐ Round Rock Office
2201 Double Creek Drive, Suite 4004
Round Rock, TX 78664
Tel: (512)671-3434
Fax: (512)671-3446

☐ Port Lavaca Office
131 N. Virginia, Suite B
Port Lavaca, TX 77979
Tel: (361)553-6442
Fax: (361)553-6449

☐ Texarkana Office
2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1352.5 PROJECT NAME: Gulfco PAGE: 1 OF: 1

SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 8/2/06

METHOD OF SHIPMENT: FedEx CARRIER/WAYBILL NO.: DESTINATION: GCAL

SAMPLES															ANALYSIS REQUEST								
		Sample Collection			Preservation						Containers				Constituents/Methods					Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.		VOC	SVOC/metals Pest/PCB	Toxicity TPH	Grain Size*		HOLD	RUSH	STANDARD	
	NB4SE08-024(1-2)	8/2/06	1030	SO				X			2 oz	G	4		X	X	X	X					1
	NA4SE04-021(1-2)	"	1055	SO				X			"	"	4		X	X	X	X					2
	NA3SE03-020(1-2)	"	1115	SO				X			"	"	4		X	X	X	X					3
	NB3SE07-023(1-2)	"	1120	SO				X			"	"	4		X	X	X	X					4
	NB2SE06-022(1-2)	"	1135	SO				X			"	"	4		X	X	X	X					5
	TB-1163	8/1/06	--	AQ	X						40	O	3		X								
						TOTAL NUMBER OF CONTAINERS									LABORATORY COMMENTS/CONDITION OF SAMPLES								Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
Fedex			8-3-06	910	[signature]	Michelle Rabon	Gcal
							LABORATORY

*KEY: Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

3°

* Grain size is on this workorder only.

000015

166439

PBW/4492/206080304/8-10-06

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

001162

COC No.

☐ Round Rock Office
2201 Double Creek Drive, Suite 4004
Round Rock, TX 78664
Tel: (512)671-3434
Fax: (512)671-3446

☐ Port Lavaca Office
131 N. Virginia, Suite B
Port Lavaca, TX 77979
Tel: (361)553-6442
Fax: (361)553-6449

☐ Texarkana Office
2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1352 J PROJECT NAME: GulFCO PAGE: 1 OF: 1
SAMPLER (Signature): [signature] PROJECT MANAGER: Eric Pastor DATE: 8/2/06
METHOD OF SHIPMENT: FedEx CARRIER/WAYBILL NO.: DESTINATION: GCAL

SAMPLES														ANALYSIS REQUEST								
		Sample Collection			Preservation						Containers			Constituents/Methods					Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.	VOC	Svoc/metal Pest/PCB	Toc/CrVI/TM	Grain Size*	Metals	HOLD	RUSH	STANDARD	
	NC3SE11-027(1-2)	8/2/06	1325	SO				X			1-8 3-4 2	G	4	X	X	X	X					6
	NC3SE10-026(1-2)	"	1335	SO				X			"		4	X	X	X	X					7
	NC3SE09-025(1-2)	"	1345	SO				X			"		4	X	X	X	X					8
	FB-507	"	1420	AQ	X						40	O	3	X								
	"	"	"	"		X					500	P	1					X				
	"	"	"	"				X			1000	G	4		X							
	TB-1162	"	–		X						40	O	3	X								

TOTAL NUMBER OF CONTAINERS

LABORATORY COMMENTS/CONDITION OF SAMPLES

Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
[signature]	Tim Jennings	PBW	8/2/06	1830	Fed EX		
Fedex			8-3-06	910	[signature]	Michelle Raborn	GCAL
							LABORATORY

*KEY: Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

3

* Grain size is in this workorder only

000016

166440

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206080304	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	45643	**Created:**	8/3/2006 10:28
Client:	4482 - Pastor, Behling, & Wheeler	**QA:**	
Profile:	78418 - GULFCO - Gulfco Marine Maintenance Site	**PO:**	1352

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20608030401-1	4	NONE			X			X	OK
20608030402-1	4	NONE			X			X	OK
20608030403-1	4	NONE			X			X	OK
20608030404-1	4	NONE			X			X	OK
20608030405-1	4	NONE			X			X	OK
20608030406-1	4	NONE			X			X	OK
20608030407-1	4	NONE			X			X	OK
20608030408-1	4	NONE			X			X	OK

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

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

LABEL(S) VERIFIED RBCa CUSTODIAN ML

000017

166441

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.: 206080431			
Reviewer: Taryn Scholz/ Don Flory (QAA, L.L.C.)	Date Checked: 10/9/06			
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			
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			
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		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			
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?	x			

166442

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

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

VOC – no MS/MSD for batch 329645 (only field blanks in this batch);

PEST - RT window originally set too wide, revisions submitted for results for 1 sample (Since the original EDD (submitted 9/8/06) was not yet validated, it was deleted and the revised EDD (submitted 9/18/06) has no suffix); Surrogates diluted out for all samples; Matrix spikes diluted out

11. Six VOC samples diluted due to interference with IS; Six Pest/Aroclor samples required dilution to eliminate background interference

25. All VOC samples and MS/MSD diluted 5x (10x for SE05-005) for low level and run as med level (50x) for n-butyl alcohol and 2-chloroethylvinyl ether; All Pest/Aroclor samples diluted 50x.

28. For organics, the SDLs and SQLs are in mg/L (w) and mg/kg (s) as requested for samples logged in after 7/31/06; however, the user should note that the MDLs and MQLs are in ug/L (w) and ug/kg (s) 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. All Pesticide and Aroclor samples and the MS/MSD were diluted 50x due to interference from a large non-target peak. The spike amounts were thus diluted below the MQL and so recoveries are not applicable for assessing accuracy in this complex matrix. However, the reviewer examined the raw data and found that all target analytes were detected by the GC data system (some below the MDL) in the MS/MSD and peaks are visible on the chromatograms. Thus, though the interference likely affects quantitation, it appears that qualitative identification is possible. The reviewer considers the reporting limits for the samples (all 50x the nominal for a minimal MDL of 0.13 mg/kg) usable with qualification as estimated (UJ) and applied flags as such. Note also that one sample (FWPSE01-001-(0-0.5)) and its field duplicate (SE-501-(0-0.5)) were analyzed by GEL for PCB-Congeners. A cleanup procedure was used for the extracts and no further dilution was required. All 31 Congeners are non-detect at a maximum 0.001 mg/kg SDL.

ADDITIONAL NOTE - VOCs were analyzed both as low level soils (unheated purge of 0.5-5g soil in 5 mls water) and as high level soils (heated purge of 100 ul of methanol extract from 5g soil in 5 mls water). All but two of the target analytes (2-Chloroethyl vinyl ether and 2- Butyl alcohol) are reported from the low level analysis. The high level analysis was run because the laboratory was unable to adequately calibrate the heated purge instruments for these two analytes, not because of high levels of target analytes. The raw data indicates that a few analytes may have been detected in the high level (methanol extract) analysis that are reported as non-detects in the low level analysis. The validator tabulated these amounts for all the VOC samples. The analyte most affected is Methyl acetate, which appears in all of the high level analyses and is likely a laboratory artifact, along with one case each of Acetone, Methylene chloride, Acrylonitrile, and 2-Butanone. In every case, the amount is considered insignificant since the low level analysis (which is the applicable and requested method except in cases of high concentrations of target analytes) shows not detected and the amounts in the high level are well below the Preliminary Screening Values. Thus, the validator did not take any additional action.

SET SUMMARY
Laboratory Job No.: 206080431

6	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
1	Number of VOC Trip Blanks
6	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, TOC)
199	Number of Target Analytes per Sample
1194	Total Measurements for Field Samples
837	Number of measurements with no validation qualifier (i.e., "none" in EDD)
168	Number of measurements with UJ flag (for all Pesticide and Aroclor results based on MS/MSD results, see comment no. 34)
130	Number of measurements with UJ flag (for various analytes due to low laboratory spike, matrix spike, and/or surrogate spike recovery; poor calibration fit and/or negative drift)
12	Number of measurements with UJ flag and an elevated SDL (for Acrolein and 2-Butyl alcohol due to poor instrument response, i.e., low RRF)
0	Number of measurements with J- flag
11	Number of measurements with J flag (due solely to result being between the SDL and SQL)
4	Number of measurements with J flag (due to result being between the SDL and SQL plus negative or positive calibration drift and/or low spike recovery)
0	Number of measurements with J+ flag
26	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone, Biphenyl, Bis(2-Ethylhexyl)phthalate, Boron, and Methylene chloride)
0	Number of measurements with NS flag
6	Number of measurements with R flag (for six Antimony results due to extremely low matrix spike recovery of 25%)
100%	Completeness-to-date on a sample level (percentage of all sediment samples, including ICWW, on-site, and pond sediments, with usable data for a specific analyte, project goal 90%)
89%	Completeness-to-date on an analyte level (percentage of all sediment samples, including ICWW, on-site, and pond sediments, with usable data for a specific analyte, project goal 80%) – Antimony
88%	Completeness-to-date on an analyte level (percentage of all sediment samples, including ICWW, on-site, and pond sediments, with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
84%	Completeness-to-date on an analyte level (percentage of all sediment samples, including ICWW, on-site, and pond sediments, with usable data for a specific analyte, project goal 80%) – Benzidine
100%	Completeness-to-date on an analyte level (percentage of all sediment samples, including ICWW, on-site, and pond sediments, 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 six results (all non-detects) for Antimony. Data for Acrolein and n-Butyl alcohol 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.

166444

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
FWPSE01-001-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (25%)
FWPSE01-001-(0-0.5)	Cadmium	J	result is between SDL and SQL
FWPSE01-001-(0-0.5)	4,4'-DDD	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	4,4'-DDE	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	4,4'-DDT	UJ	column 1 calibration drift (%D= -16); based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aldrin	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	alpha-BHC	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	alpha-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	beta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	delta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Dieldrin	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Endosulfan I	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Endosulfan II	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Endosulfan sulfate	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Endrin	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Endrin aldehyde	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Endrin ketone	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	gamma-BHC (Lindane)	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	gamma-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Heptachlor	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Heptachlor epoxide	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Methoxychlor	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Toxaphene	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1016	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1221	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1232	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1242	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1248	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1254	UJ	based on MS/MSD results, see narrative
FWPSE01-001-(0-0.5)	Aroclor-1260	UJ	based on MS/MSD results, see narrative; calibration drift (%D= -19)
FWPSE01-001-(0-0.5)	Acetone	U	equipment blank contamination (0.00427 JB mg/L), laboratory blank contamination (0.0016 J mg/kg), result is between SDL and SQL
FWPSE01-001-(0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (Sed); low MS/MSD ave recovery (4%)
FWPSE01-001-(0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00278 J mg/kg), result is between SDL and SQL
FWPSE01-001-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)
FWPSE01-001-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (56.5%)
FWPSE01-001-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
FWPSE01-001-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (32.5%)
FWPSE01-001-(0-0.5)	2-Chlorophenol	UJ	low LCS/LCSD ave recovery (57.5%), low MS/MSD ave recovery (58.5%)
FWPSE01-001-(0-0.5)	3-Nitroaniline	UJ	low MS/MSD ave recovery (36.5%)
FWPSE01-001-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (27%), low MS/MSD ave recovery (45%)
FWPSE01-001-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (31%)
FWPSE01-001-(0-0.5)	4-Nitroaniline	UJ	low MS/MSD ave recovery (47%)
FWPSE01-001-(0-0.5)	Aniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (30%),

QUALIFIED DATA TABLE

FWPSE01-001-(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -46), low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (23.5%)
FWPSE01-001-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -59), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (4.5%),
FWPSE01-001-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
FWPSE01-001-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (44.5%), low MS/MSD ave recovery (20.5%)
FWPSE01-001-(0-0.5)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
FWPSE01-001-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (56.5%)
FWPSE01-001-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.00259 J mg/L), laboratory blank contamination (0.024 J mg/kg), result is between SDL and SQL
FWPSE01-001-(0-0.5)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
FWPSE01-001-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (36.5%), low MS/MSD ave recovery (18.5%)
FWPSE01-001-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (59.5%)
FWPSE01-001-(0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (20.5%),
FWPSE01-001-(0-0.5)	o-Cresol	UJ	low LCS/LCSD ave recovery (57%), low MS/MSD ave recovery (58%)
FWPSE01-001-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (57%)
FWPSE01-001-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24)
FWPSE02-002-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (25%)
FWPSE02-002-(0-0.5)	Cadmium	J	result is between SDL and SQL
FWPSE02-002-(0-0.5)	4,4'-DDD	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	4,4'-DDE	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	4,4'-DDT	UJ	column 1 calibration drift (%D= -16); based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aldrin	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	alpha-BHC	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	alpha-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	beta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	delta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Dieldrin	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Endosulfan I	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Endosulfan II	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Endosulfan sulfate	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Endrin	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Endrin aldehyde	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Endrin ketone	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	gamma-BHC (Lindane)	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	gamma-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Heptachlor	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Heptachlor epoxide	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Methoxychlor	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Toxaphene	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aroclor-1016	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aroclor-1221	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aroclor-1232	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aroclor-1242	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aroclor-1248	UJ	based on MS/MSD results, see narrative
FWPSE02-002-(0-0.5)	Aroclor-1254	UJ	based on MS/MSD results, see narrative

QUALIFIED DATA TABLE

FWPSE02-002-(0-0.5)	Aroclor-1260	UJ	based on MS/MSD results, see narrative; calibration drift (%D= -19)
FWPSE02-002-(0-0.5)	Acetone	U	equipment blank contamination (0.00427 JB mg/L), laboratory blank contamination (0.0016 J mg/kg), result is between SDL and SQL
FWPSE02-002-(0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (Sed); low MS/MSD ave recovery (4%)
FWPSE02-002-(0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00278 J mg/kg), result is between SDL and SQL
FWPSE02-002-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)
FWPSE02-002-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (56.5%)
FWPSE02-002-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
FWPSE02-002-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (32.5%)
FWPSE02-002-(0-0.5)	2-Chlorophenol	UJ	low LCS/LCSD ave recovery (57.5%), low MS/MSD ave recovery (58.5%)
FWPSE02-002-(0-0.5)	3-Nitroaniline	UJ	low MS/MSD ave recovery (36.5%)
FWPSE02-002-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (27%), low MS/MSD ave recovery (45%)
FWPSE02-002-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (31%)
FWPSE02-002-(0-0.5)	4-Nitroaniline	UJ	low MS/MSD ave recovery (47%)
FWPSE02-002-(0-0.5)	Aniline	UJ	calibration drift (%D= -26), low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (30%),
FWPSE02-002-(0-0.5)	Atrazine (Aatrex)	UJ	calibration drift (%D= -24)
FWPSE02-002-(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -27), low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (23.5%)
FWPSE02-002-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -34), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (4.5%),
FWPSE02-002-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
FWPSE02-002-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (44.5%), low MS/MSD ave recovery (20.5%)
FWPSE02-002-(0-0.5)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
FWPSE02-002-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (56.5%)
FWPSE02-002-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.00259 J mg/L), laboratory blank contamination (0.024 J mg/kg), result is between SDL and SQL
FWPSE02-002-(0-0.5)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
FWPSE02-002-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (36.5%), low MS/MSD ave recovery (18.5%)
FWPSE02-002-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (59.5%)
FWPSE02-002-(0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (20.5%),
FWPSE02-002-(0-0.5)	n-Nitrosodi-n-propylamine	UJ	calibration drift (%D= -21)
FWPSE02-002-(0-0.5)	o-Cresol	uj	low LCS/LCSD ave recovery (57%), low MS/MSD ave recovery (58%)
FWPSE02-002-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (57%)
FWPSE02-002-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24)
FWPSE03-003-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (25%)
FWPSE03-003-(0-0.5)	Boron	U	equipment blank contamination (0.03 B mg/L)
FWPSE03-003-(0-0.5)	Cadmium	J	result is between SDL and SQL
FWPSE03-003-(0-0.5)	4,4'-DDD	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	4,4'-DDE	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	4,4'-DDT	UJ	column 1 calibration drift (%D= -16); based on MS/MSD results, see narrative

QUALIFIED DATA TABLE

FWPSE03-003-(0-0.5)	Aldrin	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	alpha-BHC	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	alpha-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	beta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	delta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Dieldrin	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Endosulfan I	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Endosulfan II	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Endosulfan sulfate	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Endrin	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Endrin aldehyde	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Endrin ketone	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	gamma-BHC (Lindane)	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	gamma-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Heptachlor	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Heptachlor epoxide	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Methoxychlor	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Toxaphene	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1016	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1221	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1232	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1242	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1248	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1254	UJ	based on MS/MSD results, see narrative
FWPSE03-003-(0-0.5)	Aroclor-1260	UJ	based on MS/MSD results, see narrative; calibration drift (%D= -19)
FWPSE03-003-(0-0.5)	Acetone	U	equipment blank contamination (0.00427 JB mg/L), laboratory blank contamination (0.0016 J mg/kg), result is between SDL and SQL
FWPSE03-003-(0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (Sed); low MS/MSD ave recovery (4%)
FWPSE03-003-(0-0.5)	Methyl iodide	J	calibration drift (%D= +26), result is between SDL and SQL
FWPSE03-003-(0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00278 J mg/kg), result is between SDL and SQL
FWPSE03-003-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)
FWPSE03-003-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (56.5%)
FWPSE03-003-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
FWPSE03-003-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (32.5%)
FWPSE03-003-(0-0.5)	2-Chlorophenol	UJ	low LCS/LCSD ave recovery (57.5%), low MS/MSD ave recovery (58.5%)
FWPSE03-003-(0-0.5)	3-Nitroaniline	UJ	low MS/MSD ave recovery (36.5%)
FWPSE03-003-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (27%), low MS/MSD ave recovery (45%)
FWPSE03-003-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (31%)
FWPSE03-003-(0-0.5)	4-Nitroaniline	UJ	low MS/MSD ave recovery (47%)
FWPSE03-003-(0-0.5)	Aniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (30%),
FWPSE03-003-(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -46), low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (23.5%)
FWPSE03-003-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -59), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (4.5%),
FWPSE03-003-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (44.5%), low MS/MSD ave recovery (20.5%)

QUALIFIED DATA TABLE

FWPSE03-003-(0-0.5)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
FWPSE03-003-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (56.5%)
FWPSE03-003-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.00259 J mg/L), laboratory blank contamination (0.024 J mg/kg), result is between SDL and SQL
FWPSE03-003-(0-0.5)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
FWPSE03-003-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (36.5%), low MS/MSD ave recovery (18.5%)
FWPSE03-003-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (59.5%)
FWPSE03-003-(0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (20.5%),
FWPSE03-003-(0-0.5)	o-Cresol	UJ	low LCS/LCSD ave recovery (57%), low MS/MSD ave recovery (58%)
FWPSE03-003-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (57%)
FWPSE03-003-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24)
FWPSE04-004-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (25%)
FWPSE04-004-(0-0.5)	Boron	U	equipment blank contamination (0.03 B mg/L)
FWPSE04-004-(0-0.5)	Cadmium	J	result is between SDL and SQL
FWPSE04-004-(0-0.5)	4,4'-DDD	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	4,4'-DDE	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	4,4'-DDT	UJ	column 1 calibration drift (%D= -16); based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aldrin	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	alpha-BHC	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	alpha-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	beta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	delta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Dieldrin	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Endosulfan I	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Endosulfan II	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Endosulfan sulfate	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Endrin	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Endrin aldehyde	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Endrin ketone	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	gamma-BHC (Lindane)	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	gamma-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Heptachlor	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Heptachlor epoxide	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Methoxychlor	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Toxaphene	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1016	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1221	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1232	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1242	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1248	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1254	UJ	based on MS/MSD results, see narrative
FWPSE04-004-(0-0.5)	Aroclor-1260	UJ	based on MS/MSD results, see narrative; calibration drift (%D= -19)
FWPSE04-004-(0-0.5)	Acetone	U	equipment blank contamination (0.00427 JB mg/L), laboratory blank contamination (0.0016 J mg/kg), result is between SDL and SQL
FWPSE04-004-(0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (Sed); low MS/MSD ave recovery (4%)

QUALIFIED DATA TABLE

FWPSE04-004-(0-0.5)	Bromomethane	J	calibration drift (%D= +27), result is between SDL and SQL
FWPSE04-004-(0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00278 J mg/kg), result is between SDL and SQL
FWPSE04-004-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)
FWPSE04-004-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (56.5%)
FWPSE04-004-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
FWPSE04-004-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (32.5%)
FWPSE04-004-(0-0.5)	2-Chlorophenol	UJ	low LCS/LCSD ave recovery (57.5%), low MS/MSD ave recovery (58.5%)
FWPSE04-004-(0-0.5)	3-Nitroaniline	UJ	low MS/MSD ave recovery (36.5%)
FWPSE04-004-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (27%), low MS/MSD ave recovery (45%)
FWPSE04-004-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (31%)
FWPSE04-004-(0-0.5)	4-Nitroaniline	UJ	low MS/MSD ave recovery (47%)
FWPSE04-004-(0-0.5)	Aniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (30%),
FWPSE04-004-(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -46), low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (23.5%)
FWPSE04-004-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -59), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (4.5%),
FWPSE04-004-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (44.5%), low MS/MSD ave recovery (20.5%)
FWPSE04-004-(0-0.5)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
FWPSE04-004-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (56.5%)
FWPSE04-004-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.00259 J mg/L), laboratory blank contamination (0.024 J mg/kg), result is between SDL and SQL
FWPSE04-004-(0-0.5)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
FWPSE04-004-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (36.5%), low MS/MSD ave recovery (18.5%)
FWPSE04-004-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (59.5%)
FWPSE04-004-(0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (20.5%),
FWPSE04-004-(0-0.5)	o-Cresol	UJ	low LCS/LCSD ave recovery (57%), low MS/MSD ave recovery (58%)
FWPSE04-004-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (57%)
FWPSE04-004-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24)
FWPSE05-005-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (25%)
FWPSE05-005-(0-0.5)	Boron	U	equipment blank contamination (0.03 B mg/L)
FWPSE05-005-(0-0.5)	Cadmium	J	result is between SDL and SQL
FWPSE05-005-(0-0.5)	4,4'-DDD	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	4,4'-DDE	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	4,4'-DDT	UJ	column 1 calibration drift (%D= -16); based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aldrin	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	alpha-BHC	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	alpha-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	beta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	delta-BHC	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Dieldrin	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Endosulfan I	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Endosulfan II	UJ	based on MS/MSD results, see narrative

QUALIFIED DATA TABLE

FWPSE05-005-(0-0.5)	Endosulfan sulfate	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Endrin	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Endrin aldehyde	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Endrin ketone	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	gamma-BHC (Lindane)	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	gamma-Chlordane	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Heptachlor	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Heptachlor epoxide	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Methoxychlor	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Toxaphene	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1016	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1221	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1232	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1242	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1248	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1254	UJ	based on MS/MSD results, see narrative
FWPSE05-005-(0-0.5)	Aroclor-1260	UJ	based on MS/MSD results, see narrative; calibration drift (%D= -19)
FWPSE05-005-(0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (Sed); low MS/MSD ave recovery (4%)
FWPSE05-005-(0-0.5)	Bromomethane	J	calibration drift (%D= +27), result is between SDL and SQL
FWPSE05-005-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)
FWPSE05-005-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (56.5%)
FWPSE05-005-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
FWPSE05-005-(0-0.5)	2,4,5-Trichlorophenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	2,4,6-Trichlorophenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	2,4-Dichlorophenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	2,4-Dimethylphenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (32.5%), low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	2-Chlorophenol	UJ	low LCS/LCSD ave recovery (57.5%), low MS/MSD ave recovery (58.5%), low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	2-Nitrophenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	3-Nitroaniline	UJ	low MS/MSD ave recovery (36.5%)
FWPSE05-005-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (27%), low MS/MSD ave recovery (45%), low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	4-Chloro-3-methylphenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (31%)
FWPSE05-005-(0-0.5)	4-Nitroaniline	UJ	low MS/MSD ave recovery (47%)
FWPSE05-005-(0-0.5)	4-Nitrophenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	Aniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (30%),
FWPSE05-005-(0-0.5)	Benzaldehyde	UJ	calibration drift (%D= -46), low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (23.5%)
FWPSE05-005-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -59), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (4.5%),
FWPSE05-005-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
FWPSE05-005-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (44.5%), low MS/MSD ave recovery (20.5%)
FWPSE05-005-(0-0.5)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL

QUALIFIED DATA TABLE

FWPSE05-005-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (56.5%)
FWPSE05-005-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.00259 J mg/L), laboratory blank contamination (0.024 J mg/kg), result is between SDL and SQL
FWPSE05-005-(0-0.5)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
FWPSE05-005-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (36.5%), low MS/MSD ave recovery (18.5%)
FWPSE05-005-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (59.5%)
FWPSE05-005-(0-0.5)	m,p-Cresol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (20.5%),
FWPSE05-005-(0-0.5)	o-Cresol	UJ	low LCS/LCSD ave recovery (57%), low MS/MSD ave recovery (58%), low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	Pentachlorophenol	UJ	low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (57%), low Acid SU recovery (57%), low Acid SU recovery (59%)
FWPSE05-005-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24)
SE-501-(0-0.5)	Antimony	R	extremely low MS/MSD ave recovery (25%)
SE-501-(0-0.5)	Boron	U	equipment blank contamination (0.03 B mg/L)
SE-501-(0-0.5)	Cadmium	J	result is between SDL and SQL
SE-501-(0-0.5)	4,4'-DDD	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	4,4'-DDE	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	4,4'-DDT	UJ	column 1 calibration drift (%D= -16); based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aldrin	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	alpha-BHC	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	alpha-Chlordane	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	beta-BHC	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	delta-BHC	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Dieldrin	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Endosulfan I	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Endosulfan II	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Endosulfan sulfate	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Endrin	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Endrin aldehyde	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Endrin ketone	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	gamma-BHC (Lindane)	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	gamma-Chlordane	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Heptachlor	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Heptachlor epoxide	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Methoxychlor	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Toxaphene	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1016	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1221	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1232	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1242	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1248	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1254	UJ	based on MS/MSD results, see narrative
SE-501-(0-0.5)	Aroclor-1260	UJ	based on MS/MSD results, see narrative; calibration drift (%D= -19)
SE-501-(0-0.5)	Acetone	U	equipment blank contamination (0.00427 JB mg/L), laboratory blank contamination (0.0016 J mg/kg), result is between SDL and SQL

QUALIFIED DATA TABLE

SE-501-(0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (Sed); low MS/MSD ave recovery (4%)
SE-501-(0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00278 J mg/kg), result is between SDL and SQL
SE-501-(0-0.5)	n-Butyl alcohol	UJ	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)
SE-501-(0-0.5)	Vinyl acetate	UJ	low MS/MSD ave recovery (56.5%)
SE-501-(0-0.5)	Vinyl chloride	UJ	poor calibration fit (%RSD=18)
SE-501-(0-0.5)	2,4-Dinitrophenol	UJ	low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (32.5%)
SE-501-(0-0.5)	2-Chlorophenol	UJ	low LCS/LCSD ave recovery (57.5%), low MS/MSD ave recovery (58.5%)
SE-501-(0-0.5)	3-Nitroaniline	UJ	low MS/MSD ave recovery (36.5%)
SE-501-(0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low LCS/LCSD ave recovery (27%), low MS/MSD ave recovery (45%)
SE-501-(0-0.5)	4-Chloroaniline	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (31%)
SE-501-(0-0.5)	4-Nitroaniline	UJ	low MS/MSD ave recovery (47%)
SE-501-(0-0.5)	Aniline	UJ	low LCS/LCSD ave recovery (54%), low MS/MSD ave recovery (30%),
SE-501-(0-0.5)	Benzaldehyde	J	result is between SDL and SQL, calibration drift (%D= -46), low LCS/LCSD ave recovery (20.5%), low MS/MSD ave recovery (23.5%)
SE-501-(0-0.5)	Benzidine	UJ	poor calibration fit (%RSD=50), calibration drift (%D= -59), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (4.5%),
SE-501-(0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
SE-501-(0-0.5)	Benzoic acid	UJ	low LCS/LCSD ave recovery (44.5%), low MS/MSD ave recovery (20.5%)
SE-501-(0-0.5)	Biphenyl	U	laboratory blank contamination (0.171 J mg/kg), result is between SDL and SQL
SE-501-(0-0.5)	Bis(2-Chloroethyl)ether	UJ	low LCS/LCSD ave recovery (58.5%), low MS/MSD ave recovery (56.5%)
SE-501-(0-0.5)	Bis(2-Ethylhexyl)phthalate	U	equipment blank contamination (0.00259 J mg/L), laboratory blank contamination (0.024 J mg/kg), result is between SDL and SQL
SE-501-(0-0.5)	Di-n-octyl phthalate	UJ	poor calibration fit (%RSD=17)
SE-501-(0-0.5)	Hexachlorocyclopentadiene	UJ	low LCS/LCSD ave recovery (36.5%), low MS/MSD ave recovery (18.5%)
SE-501-(0-0.5)	Hexachloroethane	UJ	low LCS/LCSD ave recovery (59.5%)
SE-501-(0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
SE-501-(0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=28), low LCS/LCSD ave recovery (53%), low MS/MSD ave recovery (20.5%),
SE-501-(0-0.5)	o-Cresol	UJ	low LCS/LCSD ave recovery (57%), low MS/MSD ave recovery (58%)
SE-501-(0-0.5)	Phenol	UJ	low LCS/LCSD ave recovery (58%), low MS/MSD ave recovery (57%)
SE-501-(0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24)

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 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (1.45 B mg/kg)	329836
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	8/7/06	11:20	8/9/06	13:20	high MS/MSD ave recovery (888%)	329836
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW6010B	total	S	Antimony	J- / R to RRs/NDs	TRG	8/7/06	11:20	8/9/06	13:20	extremely low MS/MSD ave recovery (25%)	329836
MB for HBN 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (0.13 B mg/kg)	329836
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.00065 B mg/L)	329771
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Boron	U to RRs < 5 x BlankEquivConc	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.03 B mg/L)	329771
MB for HBN 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Iron	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (1.04 B mg/kg)	329836
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	8/7/06	11:20	8/9/06	13:20	high MS/MSD ave recovery (588.5%)	329836
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Lead	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.0017 B mg/L)	329771
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	8/7/06	11:20	8/9/06	13:20	high MS/MSD ave recovery (146%)	329836
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Manganese	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.002 B mg/L)	329771
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Selenium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.0086 B mg/L)	329771
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Strontium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.0023 B mg/L)	329771
FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.0019 B mg/L)	329771
MB for HBN 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Tin	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (0.51 B mg/kg)	329836
MB for HBN 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Titanium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (0.015 B mg/kg)	329836
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW6010B	total	S	Titanium	none (waived due to high parent conc)	TRG	8/7/06	11:20	8/9/06	13:20	low MS/MSD ave recovery (61.5%)	329836
MB for HBN 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Vanadium	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (0.074 B mg/kg)	329836
MB for HBN 329581 [DIGM/12372]	397835	LB	SW6010B	total	S	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	11:20	8/9/06	15:52	laboratory blank contamination (0.43 B mg/kg)	329836

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FWPSE-006-EB	20608043109	EQBK	SW6010B	total	W	Zinc	U to RRs < 5 x BlankEquivConc (none)	TRG	8/7/06	10:30	8/8/06	16:54	equipment blank contamination (0.0044 B mg/L)	329771
x	2060811sv16 a002	CCV1	SW8081A			4,4'-DDT	J- / UJ to RRs/NDs	Pest			8/11/06	16:05	calibration drift (%D= -16)	
x	2060811sv16 a025	CCV1	SW8081A			alpha-BHC	J+ to RRs (none)	Pest			8/11/06	0:08	calibration drift (%D= 17)	
FWPSE-006-EB	20608043109	EQBK	SW8081A		W	Aldrin	U to RRs < 5 x BlankEquivConc (none)	TRG	8/5/06	8:00	8/7/06	18:48	equipment blank contamination (0.0000231 J mg/L)	329857
FWPSE-006-EB	20608043109	EQBK	SW8081A		W	gamma-BHC (Lindane)	U to RRs < 5 x BlankEquivConc (none)	TRG	8/5/06	8:00	8/7/06	18:48	equipment blank contamination (0.000017 J mg/L)	329857
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	4,4'-DDD	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (164%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	4,4'-DDD	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	poor MS/MSD precision (162 RPD)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	4,4'-DDE	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (2785%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	4,4'-DDE	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	poor MS/MSD precision (52 RPD)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Aldrin	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (744%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	alpha-BHC	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (278.5%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	alpha-Chlordane	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (1810%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	beta-BHC	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (1435%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	delta-BHC	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (1120%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Dieldrin	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (2020%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Endosulfan I	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (5120%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Endosulfan I	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	poor MS/MSD precision (112 RPD)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Endosulfan II	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (174%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Endrin	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (417.5%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	gamma-BHC (Lindane)	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (640.5%)	330422

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FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	gamma-Chlordane	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (5310%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Heptachlor	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (995.5%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8081A		S	Heptachlor epoxide	J/ UJ to all Pesticides (see narrative)	TRG	8/5/06	11:00	8/11/06	18:51	high MS/MSD ave recovery (3540%)	330422
FWPSE01-001-(0-0.5)	20608043101	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	17:36	extremely low SU recovery (0%)	330422
FWPSE01-001-(0-0.5)	20608043101	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	17:36	extremely low SU recovery (0%)	330422
SE-501-(0-0.5)	20608043104	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	20:43	extremely low SU recovery (0%)	330422
SE-501-(0-0.5)	20608043104	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	20:43	extremely low SU recovery (0%)	330422
FWPSE04-004-(0-0.5)	20608043105	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	21:20	extremely low SU recovery (0%)	330422
FWPSE04-004-(0-0.5)	20608043105	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	21:20	extremely low SU recovery (0%)	330422
FWPSE02-002-(0-0.5)	20608043106	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	21:57	extremely low SU recovery (0%)	330422
FWPSE02-002-(0-0.5)	20608043106	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	21:57	extremely low SU recovery (0%)	330422
FWPSE03-003-(0-0.5)	20608043107	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	22:35	extremely low SU recovery (0%)	330422
FWPSE03-003-(0-0.5)	20608043107	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	22:35	extremely low SU recovery (0%)	330422
FWPSE05-005-(0-0.5)	20608043108	SMP	SW8081A		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	23:12	extremely low SU recovery (0%)	330422
FWPSE05-005-(0-0.5)	20608043108	SMP	SW8081A		S	Tetrachloro-m-xylene	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	23:12	extremely low SU recovery (0%)	330422
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8082		S	Aroclor-1016	J/ UJ to all Aroclors (see narrative)	TRG	8/5/06	11:00	8/11/06	20:05	high MS/MSD ave recovery (991.5%)	330424
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8082		S	Aroclor-1260	J/ UJ to all Aroclors (see narrative)	TRG	8/5/06	11:00	8/11/06	20:05	high MS/MSD ave recovery (724.5%)	330424
x	2060811sv16 a003	CCV1	SW8082			AR 1260-Peak1	J- / UJ to RRs/NDs	Aro			8/11/06	16:24	calibration drift (%D= -19)	
FWPSE01-001-(0-0.5)	20608043101	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	17:36	extremely low SU recovery (0%)	330424
FWPSE02-002-(0-0.5)	20608043106	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	21:57	extremely low SU recovery (0%)	330424

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FWPSE03-003-(0-0.5)	20608043107	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	22:35	extremely low SU recovery (0%)	330424
FWPSE04-004-(0-0.5)	20608043105	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	21:20	extremely low SU recovery (0%)	330424
FWPSE05-005-(0-0.5)	20608043108	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	23:12	extremely low SU recovery (0%)	330424
SE-501-(0-0.5)	20608043104	SMP	SW8082		S	Decachlorobiphenyl	none (surrogate diluted out)	SUR	8/5/06	11:00	8/11/06	20:43	extremely low SU recovery (0%)	330424
x	B6593	CCV1	SW8260B			2-Butanone	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 28)	
x	G7235	CCV1	SW8260B			2-Chloroethyl vinyl ether	J+ to RRs (none)	VOC			8/11/06	7:59	calibration drift (%D= 23)	
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8260B		S	2-Chlorotoluene	J+ to RRs (none)	TRG			8/11/06	22:34	high MS/MSD ave recovery (141.5%)	330354
MB for HBN 330354 [MSV/8854]	400439	LB	SW8260B		S	Acetone	U to RRs < 10 x BlankEquivConc	TRG			8/11/06	14:02	laboratory blank contamination (0.0016 J mg/kg)	330354
FWPSE-006-EB	20608043109	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			8/6/06	19:16	equipment blank contamination (0.00427 JB mg/L)	329645
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			8/11/06	22:34	low MS/MSD ave recovery (4%)	330354
x	B6555	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			8/10/06	17:59	low instrument response (low RRF); elevate SDL for NDs 11x (Sed)	
x	B6593	CCV1	SW8260B			Bromomethane	J+ to RRs	VOC			8/11/06	12:13	calibration drift (%D= 27)	
x	B6593	CCV1	SW8260B			Chloromethane	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 24)	
x	B6593	CCV1	SW8260B			Methyl cyclohexane	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 24)	
x	B6593	CCV1	SW8260B			Methyl iodide	J+ to RRs	VOC			8/11/06	12:13	calibration drift (%D= 26)	
MB for HBN 330354 [MSV/8854]	400439	LB	SW8260B		S	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			8/11/06	14:02	laboratory blank contamination (0.00278 J mg/kg)	330354
x	G5023	ICAL2	SW8260B			n-Butyl alcohol	J / UJ to RRs/NDs	App9			6/14/06	7:30	low instrument response (low RRF); elevate SDL for NDs 2x (SW/GW) or 50x (Sed)	
x	G7238	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			8/11/06	9:23	calibration drift (%D= 32)	
x	B6593	CCV1	SW8260B			n-Propylbenzene	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 21)	
x	B6593	CCV1	SW8260B			Tetrachloroethene	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 31)	

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x	B6593	CCV1	SW8260B			Trichloroethene	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 21)	
x	B6593	CCV1	SW8260B			Trichlorofluoromethane	J+ to RRs (none)	VOC			8/11/06	12:13	calibration drift (%D= 22)	
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8260B		S	Vinyl acetate	J- / UJ to RRs/NDs	TRG			8/11/06	22:34	low MS/MSD ave recovery (56.5%)	330354
x	B6555	ICAL1	SW8260B			Vinyl Chloride	J / UJ to RRs/NDs	VOC			8/10/06	17:59	poor calibration fit (%RSD=18)	
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (20.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (32.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	2,4-Dinitrophenol	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (88 RPD)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	2-Chlorophenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (57.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	2-Chlorophenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (58.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (36.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	3-Nitroaniline	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (63 RPD)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	4,6-Dinitro-2-methylphenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (27%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	4,6-Dinitro-2-methylphenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (45%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	4,6-Dinitro-2-methylphenol	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (85 RPD)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (58%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (31%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	4-Chloroaniline	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (66 RPD)	329649
FWPSE-006-EB	20608043109	EQBK	SW8270C		W	4-Chloroaniline	U to RRs < 5 x BlankEquivConc (none)	TRG	8/5/06	15:00	8/7/06	15:32	equipment blank contamination (0.000884 J mg/L)	329694
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	4-Nitroaniline	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (47%)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Aniline	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (54%)	329649

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FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Aniline	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (30%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Aniline	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (54 RPD)	329649
x	D1062	CCV1	SW8270C			Aniline	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -26)	
x	D1062	CCV1	SW8270C			Atrazine	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -24)	
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (20.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Benzaldehyde	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (23.5%)	329649
x	D1012	CCV1	SW8270C			Benzaldehyde	J- / UJ to RRs/NDs	SVOC			8/5/06	11:15	calibration drift (%D= -46)	
x	D1062	CCV1	SW8270C			Benzaldehyde	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -27)	
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (53%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Benzidine	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (4.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Benzidine	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (200 RPD)	329649
x	D0930	ICAL1	SW8270C			Benzidine	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=50)	
x	D1012	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			8/5/06	11:15	calibration drift (%D= -59)	
x	D1062	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -34)	
x	D0930	ICAL1	SW8270C			Benzo(a)pyrene	J to RRs < adjusted SQL (none, all NDs)	SVOC			8/3/06	11:36	lowest ICAL standard at 0.330 mg/kg; adjust SQL 5x (Sed)	
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Benzo(g,h,i)perylene	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (43 RPD)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (44.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (20.5%)	329649
MB for HBN 329588 [EXTO/14413]	397866	LB	SW8270C		S	Biphenyl	U to RRs < 5 x BlankEquivConc	TRG	8/4/06	22:00	8/5/06	20:27	laboratory blank contamination (0.171 J mg/kg)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Bis(2-Chloroethyl)ether	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (58.5%)	329649

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FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Bis(2-Chloroethyl)ether	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (56.5%)	329649
MB for HBN 329588 [EXTO/14413]	397866	LB	SW8270C		S	Bis(2-Ethylhexyl)phthalate	U to RRs < 10 x BlankEquivConc	TRG	8/4/06	22:00	8/5/06	20:27	laboratory blank contamination (0.024 J mg/kg)	329649
FWPSE-006-EB	20608043109	EQBK	SW8270C		W	Bis(2-Ethylhexyl)phthalate	U to RRs < 10 x BlankEquivConc	TRG	8/5/06	15:00	8/7/06	15:32	equipment blank contamination (0.00259 J mg/L)	329694
x	D0930	ICAL1	SW8270C			bis(2-Ethylhexyl)phthalate	J to RRs < adjusted SQL (none, all J already)	SVOC			8/3/06	11:36	lowest ICAL standard at 0.330 mg/kg; adjust SQL 5x (Sed)	
FWPSE-006-EB	20608043109	EQBK	SW8270C		W	Caprolactam	U to RRs < 5 x BlankEquivConc (none)	TRG	8/5/06	15:00	8/7/06	15:32	equipment blank contamination (0.00202 J mg/L)	329694
FWPSE-006-EB	20608043109	EQBK	SW8270C		W	Diethyl phthalate	U to RRs < 10 x BlankEquivConc (none)	TRG	8/5/06	15:00	8/7/06	15:32	equipment blank contamination (0.000647 J mg/L)	329694
x	D0930	ICAL1	SW8270C			Di-n-octylphthalate	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=17)	
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (36.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (18.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Hexachlorocyclopentadiene	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (57 RPD)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (59.5%)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (53%)	329649
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	n-Nitrosodimethylamine	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	20:56	poor LCS/LCSD precision (116 RPD)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (20.5%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	n-Nitrosodimethylamine	J to RRs (none)	TRG	8/4/06	22:00	8/5/06	21:39	poor MS/MSD precision (70 RPD)	329649
x	D0930	ICAL1	SW8270C			n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=28)	
x	D1062	CCV1	SW8270C			N-Nitrosodimethylamine	J+ to RRs (none)	SVOC			8/6/06	13:38	calibration drift (%D= 32)	
x	D1062	CCV1	SW8270C			N-Nitroso-di-n-propylamine	J- / UJ to RRs/NDs	SVOC			8/6/06	13:38	calibration drift (%D= -21)	
LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	o-Cresol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (57%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	o-Cresol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (58%)	329649

ATTACHMENT 1

LCSD for HBN 329588 [EXTO/1441	397868	LCSD	SW8270C		S	Phenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	20:56	low LCS/LCSD ave recovery (58%)	329649
FWPSE01-001-(0-0.5) MSD	20608043103	MSD	SW8270C		S	Phenol	J- / UJ to RRs/NDs	TRG	8/4/06	22:00	8/5/06	21:39	low MS/MSD ave recovery (57%)	329649
x	D0930	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			8/3/06	11:36	poor calibration fit (%RSD=24)	
x	D1012	CCV1	SW8270C			Pyridine	J+ to RRs (none)	SVOC			8/5/06	11:15	calibration drift (%D= 41)	
SE-501-(0-0.5)	20608043104	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/4/06	22:00	8/5/06	21:53	low Acid SU recovery (56%)	329649
FWPSE04-004-(0-0.5)	20608043105	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/4/06	22:00	8/5/06	22:08	low Acid SU recovery (59%)	329649
FWPSE03-003-(0-0.5)	20608043107	SMP	SW8270C		S	Phenol-d5	none (only one of multiple surrogates is deficient)	SUR	8/4/06	22:00	8/5/06	22:36	low Acid SU recovery (59%)	329649
FWPSE05-005-(0-0.5)	20608043108	SMP	SW8270C		S	2,4,6-Tribromophenol	J- / UJ to RRs/NDs for Acid analytes	SUR	8/4/06	22:00	8/5/06	22:51	low Acid SU recovery (59%)	329649
FWPSE05-005-(0-0.5)	20608043108	SMP	SW8270C		S	Phenol-d5	J- / UJ to RRs/NDs for Acid analytes	SUR	8/4/06	22:00	8/5/06	22:51	low Acid SU recovery (57%)	329649
FWPSE05-005-(0-0.5)	20608043108	SMP	SW8270C		S	Terphenyl-d14	none (only one of multiple surrogates is deficient)	SUR	8/4/06	22:00	8/5/06	22:51	low B/N SU recovery (58%)	329649

NELAP CERTIFICATE NUMBER 01955

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 08/15/2006

GCAL Report 206080431

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Dr Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Eric Matzner

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080431

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 329645, no MS/MSD was performed due to insufficient sample volume. The LCS/LCSD exhibited marginal sporadic recovery failures for the extended list of spike compounds. Bromomethane exhibited an increased response in the CCV yielding a percent drift of 173. However, Bromomethane was not detected in the samples.

In the SW-846 8260B analysis, samples 20608043101 (FWPSE01-001-(0-0.5)), 20608043104 (SE-501-(0-0.5)), 20608043105 (FWPSE04-004-(0-0.5)), 20608043106 (FWPSE02-002-(0-0.5)), 20608043107 (FWPSE03-003-(0-0.5)), 20608043108 (FWPSE05-005-(0-0.5)), 20608043102 (FWPSE01-001-(0-0.5) MS)) and 20608043103 (FWPSE01-001-(0-0.5) MSD)) 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 8260B analysis for analytical batch 330354, the MS/MSD exhibited sporadic recovery and RPD failures. This is attributed to matrix interference. Isopropylbenzene was recovered above the upper control limit in the LCS/MS/MSD. However, Isopropylbenzene was not detected above the requested detection limit in any of the associated samples during analysis. 2-Chloroethyl vinyl ether was outside the control limit in the LCS and LCSD.

In the SW-846 8260B analysis, Bromomethane is outside the control limit in the ICV analyzed on instrument MSV3 on 07/21/06. Chloroethane and Styrene are above the upper control limits in the ICV analyzed on instrument MSV5 on 08/07/06. Acrolein was above the upper control limit in the ICV analyzed on 08/10/06.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis for prep batch 329585, the MS/MSD exhibited sporadic recovery and RPD failures. This is attributed to matrix interference. Benzaldehyde, Benzoic acid, n-Nitrosodimethylamine and 4-Nitroaniline were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD exhibited an RPD failure.

In the SW-846 8270C analysis for prep batch 329588, the MS/MSD exhibited sporadic recovery failures. This is attributed to matrix interference. 2,4-Dinitrophenol,

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Hexachlorocyclopentadiene, n-Nitrosodimethylamine, Benzaldehyde and 4,6-Dinitro-2-methylphenol were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD exhibited an RPD failure.

In the SW-846 8270C analysis, Pyridine was outside the control limit in the ICV analyzed on instrument MSSV5 on 08/03/06.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A and 8082 analyses, samples 20608043101 (FWPSE01-001-(0-0.5)), 20608043102 (FWPSE01-001-(0-0.5) MS)), 20608043103 (FWPSE01-001-(0-0.5) MSD)), 20608043104 (SE-501-(0-0.5)), 20608043105 (FWPSE04-004-(0-0.5)), 20608043106 (FWPSE02-002-(0-0.5)), 20608043107 (FWPSE03-003-(0-0.5)) and 20608043108 (FWPSE05-005-(0-0.5)) required a dilution prior to analysis to eliminate the interference of non-target background. This dilution is reflected in elevated detection limits. The surrogate recovery for Decachlorobiphenyl and/or Tetrachloro-m-xylene are reported as "DO" (diluted out) due to the dilution performed on these samples.

In the SW-846 8082 analysis for prep batch 329587, the MS/MSD recoveries are not applicable due to the dilution that was required on the associated sample. This is attributed to the sample matrix. The LCS/LCSD recoveries were within limits.

In the SW-846 8081A analysis for prep batch 329586, the MS/MSD recoveries are not applicable due to the dilution that was required on the associated sample. This is attributed to the sample matrix. The MS/MSD exhibited RPD failures. The LCS/LCSD recoveries were within limits.

METALS

In the SW-846 6010B analysis for prep batch 329578, the MS and/or MSD recovery was outside the control limits for Lithium. 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 144%. Boron and Chromium 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.

In the SW-846 6010B analysis for prep batch 329581, the MS and/or MSD recoveries were outside the control limits for Antimony 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 95% for Antimony and 191% 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. Chromium, Nickel and Titanium 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.

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Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

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

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

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

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206080431

THIS REPORT CONTAINS 1,635 PAGES.

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Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043101	FWPSE01-001-(0-0.5)	Solid	08/02/2006 13:50	08/04/2006 09:50
20608043102	FWPSE01-001-(0-0.5) MS	Solid	08/02/2006 13:50	08/04/2006 09:50
20608043103	FWPSE01-001-(0-0.5) MSD	Solid	08/02/2006 13:50	08/04/2006 09:50
20608043104	SE-501-(0-0.5)	Solid	08/02/2006 14:05	08/04/2006 09:50
20608043105	FWPSE04-004-(0-0.5)	Solid	08/02/2006 14:20	08/04/2006 09:50
20608043106	FWPSE02-002-(0-0.5)	Solid	08/02/2006 15:00	08/04/2006 09:50
20608043107	FWPSE03-003-(0-0.5)	Solid	08/02/2006 15:25	08/04/2006 09:50
20608043108	FWPSE05-005-(0-0.5)	Solid	08/02/2006 15:50	08/04/2006 09:50
20608043109	FWPSE-006-EB	Water	08/02/2006 16:15	08/04/2006 09:50
20608043110	FWP-003	Water	08/02/2006 13:50	08/04/2006 09:50

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	FWPSE-006-EB	94		104		99		96		0
2.	FWP-003	95		106		100		99		0
3.	LCSD398296	102		101		100		92		0
4.	LCS398295	101		103		101		93		0
5.	MB398294	103		105		99		95		0

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	FWPSE01-001-(0-0.5)	108		105		121		108		0
2.	FWPSE01-001-(0-0.5)	105		107		111		113		0
3.	FWPSE01-001-(0-0.5) MS	104		108		116		102		0
4.	FWPSE01-001-(0-0.5) MS	108		110		109		120		0
5.	FWPSE01-001-(0-0.5) MSD	104		108		118		101		0
6.	FWPSE01-001-(0-0.5) MSD	115		109		113		116		0
7.	SE-501-(0-0.5)	107		108		119		111		0
8.	SE-501-(0-0.5)	104		109		111		117		0
9.	FWPSE04-004-(0-0.5)	108		107		119		108		0
10.	FWPSE04-004-(0-0.5)	108		109		109		114		0
11.	FWPSE02-002-(0-0.5)	108		107		119		109		0
12.	FWPSE02-002-(0-0.5)	104		107		109		116		0
13.	FWPSE03-003-(0-0.5)	109		111		119		112		0
14.	FWPSE03-003-(0-0.5)	110		107		112		115		0
15.	FWPSE05-005-(0-0.5)	104		105		118		109		0
16.	FWPSE05-005-(0-0.5)	101		108		110		117		0
17.	LCSD400120	114		108		108		114		0
18.	LCSD400443	107		103		118		98		0
19.	LCS400119	112		103		110		112		0
20.	LCS400440	108		103		119		100		0
21.	MB400118	111		106		113		110		0
22.	MB400439	107		103		119		96		0

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Analytical Batch: 329645

SAMPLE NO. : 398295

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/L	.025	0	.023	93		80 - 125
1,1,1-Trichloroethane	mg/L	.025	0	.023	93		76 - 122
1,1,2,2-Tetrachloroethane	mg/L	.025	0	.019	77		71 - 143
1,1,2-Trichloroethane	mg/L	.025	0	.022	90		77 - 130
1,1-Dichloroethane	mg/L	.025	0	.022	90		77 - 121
1,1-Dichloroethene	mg/L	.025	0	.023	92		76 - 127
1,1-Dichloropropene	mg/L	.025	0	.023	90		79 - 121
1,2,3-Trichloropropane	mg/L	.025	0	.02	80		72 - 141
1,2,4-Trichlorobenzene	mg/L	.025	0	.021	85		76 - 137
1,2,4-Trimethylbenzene	mg/L	.025	0	.023	91		80 - 133
1,2-Dibromo-3-chloropropane	mg/L	.025	0	.019	77		63 - 138
1,2-Dibromoethane	mg/L	.025	0	.021	84		79 - 131
1,2-Dichlorobenzene	mg/L	.025	0	.02	81		80 - 125
1,2-Dichloroethane	mg/L	.025	0	.02	82		75 - 122
1,2-Dichloropropane	mg/L	.025	0	.021	84		78 - 121
1,3,5-Trimethylbenzene	mg/L	.025	0	.023	92		80 - 131
1,3-Dichlorobenzene	mg/L	.025	0	.021	86		80 - 127
1,3-Dichloropropane	mg/L	.025	0	.021	85		80 - 128
1,4-Dichlorobenzene	mg/L	.025	0	.021	84		80 - 127
2,2-Dichloropropane	mg/L	.025	0	.025	98		69 - 130
2-Butanone	mg/L	.025	0	.018	70		51 - 157
2-Chloroethylvinyl ether	mg/L	.025	0	.022	86		48 - 143
2-Chlorotoluene	mg/L	.025	0	.022	89		80 - 132
2-Hexanone	mg/L	.025	0	.019	74		54 - 155
4-Chlorotoluene	mg/L	.025	0	.022	86		80 - 131
4-Isopropyltoluene	mg/L	.025	0	.024	94		80 - 133
4-Methyl-2-pentanone	mg/L	.025	0	.018	71		57 - 138
Acetone	mg/L	.025	0	.025	98		38 - 157
Acrolein	mg/L	.125	0	.12	96		30 - 175
Acrylonitrile	mg/L	.125	0	.105	84		61 - 139
Benzene	mg/L	.025	0	.021	82		80 - 120
Bromobenzene	mg/L	.025	0	.021	84		78 - 134
Bromodichloromethane	mg/L	.025	0	.022	86		77 - 120
Bromoform	mg/L	.025	0	.024	96		73 - 130
Bromomethane	mg/L	.025	0	.071	286	*	34 - 172

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: 4 out of 148 outside limits

FORM III VOA-1

166469

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Analytical Batch: 329645

Carbon disulfide	mg/L	.025	0	.024	96		71	-	129
Carbon tetrachloride	mg/L	.025	0	.024	94		73	-	125
Chlorobenzene	mg/L	.025	0	.022	87		80	-	125
Chloroethane	mg/L	.025	0	.024	94		61	-	139
Chloroform	mg/L	.025	0	.021	85		75	-	120
Chloromethane	mg/L	.025	0	.021	82		63	-	133
Cyclohexane	mg/L	.025	0	.021	82		71	-	127
Dibromochloromethane	mg/L	.025	0	.023	91		78	-	130
Dibromomethane	mg/L	.025	0	.021	85		77	-	120
Dichlorodifluoromethane	mg/L	.025	0	.024	95		61	-	140
Ethylbenzene	mg/L	.025	0	.022	87		80	-	125
Hexachlorobutadiene	mg/L	.025	0	.022	89		79	-	133
Isopropylbenzene (Cumene)	mg/L	.025	0	.024	95		80	-	127
Methyl Acetate	mg/L	.025	0	.02	79		55	-	134
Methyl iodide	mg/L	.025	0	.025	100		43	-	157
Methylcyclohexane	mg/L	.025	0	.022	88		77	-	123
Methylene chloride	mg/L	.025	0	.025	99		61	-	133
Naphthalene	mg/L	.025	0	.02	78		67	-	149
Styrene	mg/L	.025	0	.023	92		80	-	129
Tetrachloroethene	mg/L	.025	0	.024	97		77	-	129
Toluene	mg/L	.025	0	.022	86		80	-	124
Trichloroethene	mg/L	.025	0	.022	86		79	-	121
Trichlorofluoromethane	mg/L	.025	0	.023	93		62	-	140
Trichlorotrifluoroethane	mg/L	.025	0	.023	91		72	-	130
Vinyl acetate	mg/L	.025	0	.022	86		66	-	145
Vinyl chloride	mg/L	.025	0	.023	91		69	-	130
Xylene (total)	mg/L	.075	0	.07	93		80	-	129
cis-1,2-Dichloroethene	mg/L	.025	0	.021	82		78	-	124
cis-1,3-Dichloropropene	mg/L	.025	0	.023	93		76	-	121
m,p-Xylene	mg/L	.05	0	.046	91		80	-	129
n-Butylbenzene	mg/L	.025	0	.023	92		80	-	133
n-Propylbenzene	mg/L	.025	0	.023	92		80	-	132
o-Xylene	mg/L	.025	0	.024	97		80	-	131
sec-Butylbenzene	mg/L	.025	0	.023	92		80	-	132
tert-Butyl methyl ether (MTBE)	mg/L	.025	0	.021	83		72	-	127
tert-Butylbenzene	mg/L	.025	0	.02	78	*	80	-	129
trans-1,2-Dichloroethene	mg/L	.025	0	.022	88		73	-	128
trans-1,3-Dichloropropene	mg/L	.025	0	.024	94		75	-	128
trans-1,4-Dichloro-2-butene	mg/L	.025	0	.02	79		64	-	148

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: 4 out of 148 outside limits

FORM III VOA-1

166470

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Analytical Batch: 329645

SAMPLE NO. : 398296

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/L	.025	.024	94		4		80 - 125	0 - 30
1,1,1-Trichloroethane	mg/L	.025	.023	92		0		76 - 122	0 - 30
1,1,2,2-Tetrachloroethane	mg/L	.025	.02	78		5		71 - 143	0 - 30
1,1,2-Trichloroethane	mg/L	.025	.022	89		0		77 - 130	0 - 30
1,1-Dichloroethane	mg/L	.025	.023	90		4		77 - 121	0 - 30
1,1-Dichloroethene	mg/L	.025	.022	88		4		76 - 127	0 - 14
1,1-Dichloropropene	mg/L	.025	.023	91		0		79 - 121	0 - 30
1,2,3-Trichloropropane	mg/L	.025	.021	84		5		72 - 141	0 - 30
1,2,4-Trichlorobenzene	mg/L	.025	.022	90		5		76 - 137	0 - 30
1,2,4-Trimethylbenzene	mg/L	.025	.023	93		0		80 - 133	0 - 30
1,2-Dibromo-3-chloropropane	mg/L	.025	.02	79		5		63 - 138	0 - 30
1,2-Dibromoethane	mg/L	.025	.022	86		5		79 - 131	0 - 30
1,2-Dichlorobenzene	mg/L	.025	.021	82		5		80 - 125	0 - 30
1,2-Dichloroethane	mg/L	.025	.021	84		5		75 - 122	0 - 30
1,2-Dichloropropane	mg/L	.025	.021	86		0		78 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/L	.025	.023	93		0		80 - 131	0 - 30
1,3-Dichlorobenzene	mg/L	.025	.022	88		5		80 - 127	0 - 30
1,3-Dichloropropane	mg/L	.025	.021	84		0		80 - 128	0 - 30
1,4-Dichlorobenzene	mg/L	.025	.021	84		0		80 - 127	0 - 30
2,2-Dichloropropane	mg/L	.025	.024	95		4		69 - 130	0 - 30
2-Butanone	mg/L	.025	.017	70		6		51 - 157	0 - 30
2-Chloroethylvinyl ether	mg/L	.025	.021	84		5		48 - 143	0 - 30
2-Chlorotoluene	mg/L	.025	.022	89		0		80 - 132	0 - 30
2-Hexanone	mg/L	.025	.019	76		0		54 - 155	0 - 30
4-Chlorotoluene	mg/L	.025	.022	88		0		80 - 131	0 - 30
4-Isopropyltoluene	mg/L	.025	.024	95		0		80 - 133	0 - 30
4-Methyl-2-pentanone	mg/L	.025	.018	72		0		57 - 138	0 - 30
Acetone	mg/L	.025	.022	88		13		38 - 157	0 - 30
Acrolein	mg/L	.125	.121	97		.8		30 - 175	0 - 30
Acrylonitrile	mg/L	.125	.103	82		2		61 - 139	0 - 30
Benzene	mg/L	.025	.021	82		0		80 - 120	0 - 11
Bromobenzene	mg/L	.025	.022	86		5		78 - 134	0 - 30
Bromodichloromethane	mg/L	.025	.021	85		5		77 - 120	0 - 30
Bromoform	mg/L	.025	.024	96		0		73 - 130	0 - 30
Bromomethane	mg/L	.025	.056	224	*	24		34 - 172	0 - 30

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

* Values outside of QC limits

RPD : 0 out of 74 outside limits

Spike Recovery: 4 out of 148 outside limits

FORM III VOA-1

166471

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Analytical Batch: 329645

Carbon disulfide	mg/L	.025	.024	95		0		71 - 129	0 - 30
Carbon tetrachloride	mg/L	.025	.023	93		4		73 - 125	0 - 30
Chlorobenzene	mg/L	.025	.022	88		0		80 - 125	0 - 13
Chloroethane	mg/L	.025	.023	90		4		61 - 139	0 - 30
Chloroform	mg/L	.025	.021	82		0		75 - 120	0 - 30
Chloromethane	mg/L	.025	.02	80		5		63 - 133	0 - 30
Cyclohexane	mg/L	.025	.021	83		0		71 - 127	0 - 30
Dibromochloromethane	mg/L	.025	.023	92		0		78 - 130	0 - 30
Dibromomethane	mg/L	.025	.021	82		0		77 - 120	0 - 30
Dichlorodifluoromethane	mg/L	.025	.023	92		4		61 - 140	0 - 30
Ethylbenzene	mg/L	.025	.022	86		0		80 - 125	0 - 30
Hexachlorobutadiene	mg/L	.025	.023	91		4		79 - 133	0 - 30
Isopropylbenzene (Cumene)	mg/L	.025	.024	96		0		80 - 127	0 - 30
Methyl Acetate	mg/L	.025	.019	76		5		55 - 134	0 - 30
Methyl iodide	mg/L	.025	.024	96		4		43 - 157	0 - 30
Methylcyclohexane	mg/L	.025	.022	90		0		77 - 123	0 - 30
Methylene chloride	mg/L	.025	.024	96		4		61 - 133	0 - 30
Naphthalene	mg/L	.025	.021	85		5		67 - 149	0 - 30
Styrene	mg/L	.025	.024	94		4		80 - 129	0 - 30
Tetrachloroethene	mg/L	.025	.023	93		4		77 - 129	0 - 30
Toluene	mg/L	.025	.021	86		5		80 - 124	0 - 13
Trichloroethene	mg/L	.025	.021	84		5		79 - 121	0 - 14
Trichlorofluoromethane	mg/L	.025	.023	90		0		62 - 140	0 - 30
Trichlorotrifluoroethane	mg/L	.025	.022	88		4		72 - 130	0 - 30
Vinyl acetate	mg/L	.025	.021	84		5		66 - 145	0 - 30
Vinyl chloride	mg/L	.025	.022	88		4		69 - 130	0 - 30
Xylene (total)	mg/L	.075	.07	94		0		80 - 129	0 - 30
cis-1,2-Dichloroethene	mg/L	.025	.022	86		5		78 - 124	0 - 30
cis-1,3-Dichloropropene	mg/L	.025	.023	91		0		76 - 121	0 - 30
m,p-Xylene	mg/L	.05	.046	93		0		80 - 129	0 - 30
n-Butylbenzene	mg/L	.025	.024	94		4		80 - 133	0 - 30
n-Propylbenzene	mg/L	.025	.023	93		0		80 - 132	0 - 30
o-Xylene	mg/L	.025	.024	96		0		80 - 131	0 - 30
sec-Butylbenzene	mg/L	.025	.023	93		0		80 - 132	0 - 30
tert-Butyl methyl ether (MTBE)	mg/L	.025	.021	83		0		72 - 127	0 - 30
tert-Butylbenzene	mg/L	.025	.02	79	*	0		80 - 129	0 - 30
trans-1,2-Dichloroethene	mg/L	.025	.023	91		4		73 - 128	0 - 30
trans-1,3-Dichloropropene	mg/L	.025	.023	93		4		75 - 128	0 - 30
trans-1,4-Dichloro-2-butene	mg/L	.025	.021	85		5		64 - 148	0 - 30

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

* Values outside of QC limits

RPD : 0 out of 74 outside limits

Spike Recovery: 4 out of 148 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330307

SAMPLE NO : 400119

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
2-Chloroethylvinyl ether	mg/kg	1.25	0	1.47	118		60 - 135

SAMPLE NO : 400120

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
2-Chloroethylvinyl ether	mg/kg	1.25	1.54	123		5		60 - 135	0 - 30

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

* Values outside of QC limits

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

SAMPLE NO : 400440

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.025	0	.025	101		80 - 120
1,1,1-Trichloroethane	mg/kg	.025	0	.026	105		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.025	0	.029	114		75 - 134
1,1,2-Trichloroethane	mg/kg	.025	0	.027	107		80 - 121
1,1-Dichloroethane	mg/kg	.025	0	.028	112		73 - 131
1,1-Dichloroethene	mg/kg	.025	0	.027	106		73 - 134
1,1-Dichloropropene	mg/kg	.025	0	.028	112		79 - 124
1,2,3-Trichloropropane	mg/kg	.025	0	.027	109		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.025	0	.029	115		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.025	0	.029	117		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.025	0	.023	92		60 - 146
1,2-Dibromoethane	mg/kg	.025	0	.027	106		79 - 123
1,2-Dichlorobenzene	mg/kg	.025	0	.028	113		80 - 120
1,2-Dichloroethane	mg/kg	.025	0	.026	106		76 - 125
1,2-Dichloropropane	mg/kg	.025	0	.026	106		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.025	0	.03	120		80 - 122
1,3-Dichlorobenzene	mg/kg	.025	0	.028	113		80 - 120
1,3-Dichloropropane	mg/kg	.025	0	.027	108		80 - 122
1,4-Dichlorobenzene	mg/kg	.025	0	.029	115		80 - 120
2,2-Dichloropropane	mg/kg	.025	0	.026	102		68 - 130
2-Butanone	mg/kg	.025	0	.033	132		45 - 170
2-Chloroethylvinyl ether	mg/kg	.025	0	0	0	*	60 - 135
2-Chlorotoluene	mg/kg	.025	0	.03	119		80 - 123
2-Hexanone	mg/kg	.025	0	.028	110		56 - 153
4-Chlorotoluene	mg/kg	.025	0	.029	116		80 - 121
4-Isopropyltoluene	mg/kg	.025	0	.031	122		80 - 123
4-Methyl-2-pentanone	mg/kg	.025	0	.026	104		56 - 147
Acetone	mg/kg	.025	0	.03	118		18 - 201
Acrolein	mg/kg	.125	0	.128	102		40 - 164
Acrylonitrile	mg/kg	.125	0	.128	102		53 - 153
Benzene	mg/kg	.025	0	.027	107		80 - 120
Bromobenzene	mg/kg	.025	0	.028	113		80 - 125
Bromodichloromethane	mg/kg	.025	0	.024	95		80 - 120
Bromoform	mg/kg	.025	0	.021	84		74 - 125
Bromomethane	mg/kg	.025	0	.031	122		44 - 163
Carbon disulfide	mg/kg	.025	0	.025	100		69 - 135

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

* Values outside of QC limits

RPD : 0 out of 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.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

Carbon tetrachloride	mg/kg	.025	0	.027	106		75	-	123
Chlorobenzene	mg/kg	.025	0	.028	111		80	-	120
Chloroethane	mg/kg	.025	0	.027	110		47	-	155
Chloroform	mg/kg	.025	0	.027	110		72	-	127
Chloromethane	mg/kg	.025	0	.029	114		59	-	150
Cyclohexane	mg/kg	.025	0	.03	120		61	-	143
Dibromochloromethane	mg/kg	.025	0	.022	89		80	-	122
Dibromomethane	mg/kg	.025	0	.025	100		79	-	120
Dichlorodifluoromethane	mg/kg	.025	0	.03	120		63	-	139
Ethylbenzene	mg/kg	.025	0	.029	116		80	-	120
Hexachlorobutadiene	mg/kg	.025	0	.029	115		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.025	0	.031	124	*	80	-	122
Methyl Acetate	mg/kg	.025	0	.026	103		41	-	164
Methyl iodide	mg/kg	.025	0	.032	126		52	-	145
Methylcyclohexane	mg/kg	.025	0	.03	121		79	-	122
Methylene chloride	mg/kg	.025	0	.031	123		64	-	138
Naphthalene	mg/kg	.025	0	.031	123		62	-	146
Styrene	mg/kg	.025	0	.029	118		80	-	120
Tetrachloroethene	mg/kg	.025	0	.031	126		76	-	126
Toluene	mg/kg	.025	0	.028	113		80	-	120
Trichloroethene	mg/kg	.025	0	.029	114		78	-	120
Trichlorofluoromethane	mg/kg	.025	0	.03	118		68	-	135
Trichlorotrifluoroethane	mg/kg	.025	0	.029	115		71	-	137
Vinyl acetate	mg/kg	.025	0	.029	115		59	-	146
Vinyl chloride	mg/kg	.025	0	.029	118		72	-	134
Xylene (total)	mg/kg	.075	0	.087	116		80	-	120
cis-1,2-Dichloroethene	mg/kg	.025	0	.027	108		73	-	131
cis-1,3-Dichloropropene	mg/kg	.025	0	.024	97		80	-	120
m,p-Xylene	mg/kg	.05	0	.058	117		80	-	121
n-Butylbenzene	mg/kg	.025	0	.03	120		80	-	126
n-Propylbenzene	mg/kg	.025	0	.03	121		80	-	124
o-Xylene	mg/kg	.025	0	.029	115		80	-	122
sec-Butylbenzene	mg/kg	.025	0	.03	120		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.025	0	.025	99		71	-	130
tert-Butylbenzene	mg/kg	.025	0	.031	122		80	-	123
trans-1,2-Dichloroethene	mg/kg	.025	0	.027	109		71	-	134
trans-1,3-Dichloropropene	mg/kg	.025	0	.024	95		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.025	0	.024	96		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

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

SAMPLE NO : ***400443***

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.025	.025	98		0		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.025	.025	102		4		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.025	.028	112		4		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.025	.027	108		0		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.025	.028	110		0		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.025	.024	97		12		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.025	.027	108		4		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.025	.027	108		0		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.025	.028	111		4		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.025	.028	110		4		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.025	.022	90		4		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.025	.026	103		4		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.025	.027	109		4		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.025	.027	106		4		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.025	.023	93		12		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.025	.028	113		7		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.025	.028	110		0		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.025	.027	108		0		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.025	.027	108		7		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.025	.024	97		8		68 - 130	0 - 30
2-Butanone	mg/kg	.025	.029	118		13		45 - 170	0 - 30
2-Chloroethylvinyl ether	mg/kg	.025	0	0	*	0		60 - 135	0 - 30
2-Chlorotoluene	mg/kg	.025	.026	106		14		80 - 123	0 - 30
2-Hexanone	mg/kg	.025	.027	106		4		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.025	.027	110		7		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.025	.029	115		7		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.025	.026	102		0		56 - 147	0 - 30
Acetone	mg/kg	.025	.029	116		3		18 - 201	0 - 30
Acrolein	mg/kg	.125	.132	106		3		40 - 164	0 - 30
Acrylonitrile	mg/kg	.125	.129	103		.8		53 - 153	0 - 30
Benzene	mg/kg	.025	.026	105		4		80 - 120	0 - 21
Bromobenzene	mg/kg	.025	.027	109		4		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.025	.024	95		0		80 - 120	0 - 30
Bromoform	mg/kg	.025	.021	85		0		74 - 125	0 - 30
Bromomethane	mg/kg	.025	.03	119		3		44 - 163	0 - 30
Carbon disulfide	mg/kg	.025	.023	92		8		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

166476

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

Carbon tetrachloride	mg/kg	.025	.026	103		4		75 - 123	0 - 30
Chlorobenzene	mg/kg	.025	.028	110		0		80 - 120	0 - 21
Chloroethane	mg/kg	.025	.028	110		4		47 - 155	0 - 30
Chloroform	mg/kg	.025	.027	107		0		72 - 127	0 - 30
Chloromethane	mg/kg	.025	.026	104		11		59 - 150	0 - 30
Cyclohexane	mg/kg	.025	.028	111		7		61 - 143	0 - 30
Dibromochloromethane	mg/kg	.025	.023	90		4		80 - 122	0 - 30
Dibromomethane	mg/kg	.025	.02	79		22		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.025	.028	112		7		63 - 139	0 - 30
Ethylbenzene	mg/kg	.025	.028	111		4		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.025	.028	111		4		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.025	.03	120		3		80 - 122	0 - 30
Methyl Acetate	mg/kg	.025	.026	103		0		41 - 164	0 - 30
Methyl iodide	mg/kg	.025	.031	124		3		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.025	.029	115		3		79 - 122	0 - 30
Methylene chloride	mg/kg	.025	.031	123		0		64 - 138	0 - 30
Naphthalene	mg/kg	.025	.03	119		3		62 - 146	0 - 30
Styrene	mg/kg	.025	.029	115		0		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.025	.03	120		3		76 - 126	0 - 30
Toluene	mg/kg	.025	.028	110		0		80 - 120	0 - 21
Trichloroethene	mg/kg	.025	.028	111		4		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.025	.029	115		3		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.025	.028	113		4		71 - 137	0 - 30
Vinyl acetate	mg/kg	.025	.027	109		7		59 - 146	0 - 30
Vinyl chloride	mg/kg	.025	.026	105		11		72 - 134	0 - 30
Xylene (total)	mg/kg	.075	.085	113		2		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.025	.026	102		4		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.025	.023	92		4		80 - 120	0 - 30
m,p-Xylene	mg/kg	.05	.057	113		2		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.025	.028	113		7		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.025	.029	117		3		80 - 124	0 - 30
o-Xylene	mg/kg	.025	.028	111		4		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.025	.028	113		7		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.025	.024	96		4		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.025	.029	116		7		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.025	.027	107		0		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.025	.024	95		0		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.025	.024	96		0		67 - 142	0 - 30

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

* Values outside of QC limits

RPD : 0 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330307

SAMPLE NO : 20608043102

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	#	*QC. LIMITS*
2-Chloroethylvinyl ether	mg/kg	1.96	0	2.43	123		60 - 135

SAMPLE NO : 20608043103

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
2-Chloroethylvinyl ether	mg/kg	2.05	2.57	125		6		60 - 135	0 - 30

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

* Values outside of QC limits

RPD : 0 out of 1 outside limits

Spike Recovery: 0 out of 2 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

SAMPLE NO : 20608043102

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.215	0	.234	109		80 - 120
1,1,1-Trichloroethane	mg/kg	.215	0	.26	121		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.215	0	.252	117		75 - 134
1,1,2-Trichloroethane	mg/kg	.215	0	.24	111		80 - 121
1,1-Dichloroethane	mg/kg	.215	0	.26	121		73 - 131
1,1-Dichloroethene	mg/kg	.215	0	.298	138	*	73 - 134
1,1-Dichloropropene	mg/kg	.215	0	.257	119		79 - 124
1,2,3-Trichloropropane	mg/kg	.215	0	.243	113		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.215	0	.238	110		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.215	0	.279	130	*	80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.215	0	.188	87		60 - 146
1,2-Dibromoethane	mg/kg	.215	0	.229	106		79 - 123
1,2-Dichlorobenzene	mg/kg	.215	0	.269	125	*	80 - 120
1,2-Dichloroethane	mg/kg	.215	0	.248	115		76 - 125
1,2-Dichloropropane	mg/kg	.215	0	.21	98		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.215	0	.289	134	*	80 - 122
1,3-Dichlorobenzene	mg/kg	.215	0	.272	126	*	80 - 120
1,3-Dichloropropane	mg/kg	.215	0	.24	111		80 - 122
1,4-Dichlorobenzene	mg/kg	.215	0	.274	127	*	80 - 120
2,2-Dichloropropane	mg/kg	.215	0	.238	110		68 - 130
2-Butanone	mg/kg	.215	0	.248	115		45 - 170
2-Chloroethylvinyl ether	mg/kg	.215	0	0	0	*	60 - 135
2-Chlorotoluene	mg/kg	.215	0	.303	141	*	80 - 123
2-Hexanone	mg/kg	.215	0	.207	96		56 - 153
4-Chlorotoluene	mg/kg	.215	0	.286	133	*	80 - 121
4-Isopropyltoluene	mg/kg	.215	0	.286	133	*	80 - 123
4-Methyl-2-pentanone	mg/kg	.215	0	.208	97		56 - 147
Acetone	mg/kg	.215	.033	.224	89		18 - 201
Acrolein	mg/kg	1.08	0	.043	4	*	40 - 164
Acrylonitrile	mg/kg	1.08	0	.865	80		53 - 153
Benzene	mg/kg	.215	0	.252	117		80 - 120
Bromobenzene	mg/kg	.215	0	.265	123		80 - 125
Bromodichloromethane	mg/kg	.215	0	.21	98		80 - 120
Bromoform	mg/kg	.215	0	.165	76		74 - 125
Bromomethane	mg/kg	.215	.011	.298	133		44 - 163
Carbon disulfide	mg/kg	.215	0	.19	88		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: 42 out of 148 outside limits

FORM III VOA-2

166479

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

Carbon tetrachloride	mg/kg	.215	0	.241	112		75	-	123
Chlorobenzene	mg/kg	.215	0	.258	120		80	-	120
Chloroethane	mg/kg	.215	0	.243	113		47	-	155
Chloroform	mg/kg	.215	0	.264	122		72	-	127
Chloromethane	mg/kg	.215	0	.221	102		59	-	150
Cyclohexane	mg/kg	.215	0	.264	122		61	-	143
Dibromochloromethane	mg/kg	.215	0	.193	90		80	-	122
Dibromomethane	mg/kg	.215	0	.188	87		79	-	120
Dichlorodifluoromethane	mg/kg	.215	0	.245	114		63	-	139
Ethylbenzene	mg/kg	.215	0	.272	126	*	80	-	120
Hexachlorobutadiene	mg/kg	.215	0	.186	86		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.215	0	.298	138	*	80	-	122
Methyl Acetate	mg/kg	.215	0	.208	97		41	-	164
Methyl iodide	mg/kg	.215	0	.222	103		52	-	145
Methylcyclohexane	mg/kg	.215	0	.248	115		79	-	122
Methylene chloride	mg/kg	.215	.069	.248	83		64	-	138
Naphthalene	mg/kg	.215	0	.234	109		62	-	146
Styrene	mg/kg	.215	0	.264	122	*	80	-	120
Tetrachloroethene	mg/kg	.215	0	.281	130	*	76	-	126
Toluene	mg/kg	.215	0	.262	122	*	80	-	120
Trichloroethene	mg/kg	.215	0	.252	117		78	-	120
Trichlorofluoromethane	mg/kg	.215	0	.283	131		68	-	135
Trichlorotrifluoroethane	mg/kg	.215	0	.269	125		71	-	137
Vinyl acetate	mg/kg	.215	0	.129	60		59	-	146
Vinyl chloride	mg/kg	.215	0	.25	116		72	-	134
Xylene (total)	mg/kg	.646	0	.813	126	*	80	-	120
cis-1,2-Dichloroethene	mg/kg	.215	0	.252	117		73	-	131
cis-1,3-Dichloropropene	mg/kg	.215	0	.205	95		80	-	120
m,p-Xylene	mg/kg	.431	0	.543	126	*	80	-	121
n-Butylbenzene	mg/kg	.215	0	.284	132	*	80	-	126
n-Propylbenzene	mg/kg	.215	0	.303	141	*	80	-	124
o-Xylene	mg/kg	.215	0	.271	126	*	80	-	122
sec-Butylbenzene	mg/kg	.215	0	.283	131	*	80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.215	0	.21	98		71	-	130
tert-Butylbenzene	mg/kg	.215	0	.295	137	*	80	-	123
trans-1,2-Dichloroethene	mg/kg	.215	0	.257	119		71	-	134
trans-1,3-Dichloropropene	mg/kg	.215	0	.202	94		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.215	0	.202	94		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: 42 out of 148 outside limits

FORM III VOA-2

166480

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

SAMPLE NO : ***20608043103***

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*QC. LIMITS RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.215	.231	107		1		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.215	.248	115		5		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.215	.264	122		5		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.215	.243	113		1		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.215	.25	116		4		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.215	.286	133		4		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.215	.248	115		3		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.215	.248	115		2		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.215	.233	108		2		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.215	.274	127	*	2		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.215	.196	91		4		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.215	.229	106		0		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.215	.267	124	*	.6		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.215	.243	113		2		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.215	.226	105		7		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.215	.283	131	*	2		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.215	.272	126	*	0		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.215	.243	113		1		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.215	.267	124	*	3		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.215	.227	106		4		68 - 130	0 - 30
2-Butanone	mg/kg	.215	.243	113		2		45 - 170	0 - 30
2-Chloroethylvinyl ether	mg/kg	.215	0	0	*	0		60 - 135	0 - 30
2-Chlorotoluene	mg/kg	.215	.305	142	*	.6		80 - 123	0 - 30
2-Hexanone	mg/kg	.215	.215	100		4		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.215	.283	131	*	1		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.215	.279	130	*	2		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.215	.214	99		2		56 - 147	0 - 30
Acetone	mg/kg	.215	.196	76		13		18 - 201	0 - 30
Acrolein	mg/kg	1.08	.041	4	*	4		40 - 164	0 - 30
Acrylonitrile	mg/kg	1.08	.951	88		9		53 - 153	0 - 30
Benzene	mg/kg	.215	.238	110		6		80 - 120	0 - 21
Bromobenzene	mg/kg	.215	.271	126	*	2		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.215	.203	94		3		80 - 120	0 - 30
Bromoform	mg/kg	.215	.172	80		4		74 - 125	0 - 30
Bromomethane	mg/kg	.215	.286	128		4		44 - 163	0 - 30
Carbon disulfide	mg/kg	.215	.191	89		.9		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: 42 out of 148 outside limits

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8260

Analytical Batch: 330354

Carbon tetrachloride	mg/kg	.215	.233	108		4		75 - 123	0 - 30
Chlorobenzene	mg/kg	.215	.257	119		.7		80 - 120	0 - 21
Chloroethane	mg/kg	.215	.246	114		1		47 - 155	0 - 30
Chloroform	mg/kg	.215	.257	119		3		72 - 127	0 - 30
Chloromethane	mg/kg	.215	.231	107		5		59 - 150	0 - 30
Cyclohexane	mg/kg	.215	.245	114		7		61 - 143	0 - 30
Dibromochloromethane	mg/kg	.215	.191	89		.9		80 - 122	0 - 30
Dibromomethane	mg/kg	.215	.184	86		2		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.215	.248	115		1		63 - 139	0 - 30
Ethylbenzene	mg/kg	.215	.262	122	*	4		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.215	.191	89		3		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.215	.286	133	*	4		80 - 122	0 - 30
Methyl Acetate	mg/kg	.215	.198	92		5		41 - 164	0 - 30
Methyl iodide	mg/kg	.215	.24	111		7		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.215	.24	111		4		79 - 122	0 - 30
Methylene chloride	mg/kg	.215	.238	78		4		64 - 138	0 - 30
Naphthalene	mg/kg	.215	.243	113		4		62 - 146	0 - 30
Styrene	mg/kg	.215	.253	118		4		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.215	.265	123		6		76 - 126	0 - 30
Toluene	mg/kg	.215	.258	120		1		80 - 120	0 - 21
Trichloroethene	mg/kg	.215	.253	118		.7		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.215	.274	127		3		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.215	.255	118		5		71 - 137	0 - 30
Vinyl acetate	mg/kg	.215	.115	53	*	11		59 - 146	0 - 30
Vinyl chloride	mg/kg	.215	.265	123		6		72 - 134	0 - 30
Xylene (total)	mg/kg	.646	.782	121	*	4		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.215	.25	116		.7		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.215	.195	90		5		80 - 120	0 - 30
m,p-Xylene	mg/kg	.431	.52	121		4		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.215	.274	127	*	4		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.215	.293	136	*	3		80 - 124	0 - 30
o-Xylene	mg/kg	.215	.262	122		3		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.215	.276	128	*	2		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.215	.212	98		.8		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.215	.289	134	*	2		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.215	.252	117		2		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.215	.207	96		3		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.215	.207	96		3		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: 42 out of 148 outside limits

166482

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB398294

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060806P/U8541 Lab Sample ID: 398294 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 08/06/06 Time: 1400

Instrument ID: MSV3 Matrix: Water Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 329645

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

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	LCS398295	398295	2060806P/U8539	08/06/06	1309
2.	LCSD398296	398296	2060806P/U8540	08/06/06	1334
3.	FWPSE-006-EB	20608043109	2060806P/U8553	08/06/06	1916
4.	FWP-003	20608043110	2060806P/U8554	08/06/06	1942

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB400118

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060811/G7239

Lab Sample ID: 400118 Date Extracted:

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

Date Analyzed: 08/11/06 Time: 0947

Instrument ID: MSV5 Matrix: Soil

Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 330307

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS400119	400119	2060811/G7236	08/11/06	0833
2.	LCSD400120	400120	2060811/G7237	08/11/06	0858
3.	FWPSE01-001-(0-0.5)	20608043101	2060811/G7241	08/11/06	1111
4.	SE-501-(0-0.5)	20608043104	2060811/G7242	08/11/06	1136
5.	FWPSE04-004-(0-0.5)	20608043105	2060811/G7243	08/11/06	1201
6.	FWPSE02-002-(0-0.5)	20608043106	2060811/G7244	08/11/06	1226
7.	FWPSE03-003-(0-0.5)	20608043107	2060811/G7245	08/11/06	1251
8.	FWPSE05-005-(0-0.5)	20608043108	2060811/G7246	08/11/06	1316
9.	FWPSE01-001-(0-0.5) MS	20608043102	2060811/G7247	08/11/06	1341
10.	FWPSE01-001-(0-0.5) MSD	20608043103	2060811/G7248	08/11/06	1406

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB400439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060811P/B6597

Lab Sample ID: 400439 Date Extracted:

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

Date Analyzed: 08/11/06 Time: 1402

Instrument ID: MSV6 Matrix: Soil

Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 330354

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS400440	400440	2060811P/B6594	08/11/06	1259
2.	LCSD400443	400443	2060811P/B6595	08/11/06	1320
3.	FWPSE01-001-(0-0.5)	20608043101	2060811P/B6598	08/11/06	1444
4.	SE-501-(0-0.5)	20608043104	2060811P/B6601	08/11/06	1546
5.	FWPSE04-004-(0-0.5)	20608043105	2060811P/B6602	08/11/06	1607
6.	FWPSE02-002-(0-0.5)	20608043106	2060811P/B6603	08/11/06	1627
7.	FWPSE03-003-(0-0.5)	20608043107	2060811P/B6604	08/11/06	1648
8.	FWPSE05-005-(0-0.5)	20608043108	2060811P/B6614	08/11/06	2111
9.	FWPSE01-001-(0-0.5) MS	20608043102	2060811P/B6617	08/11/06	2213
10.	FWPSE01-001-(0-0.5) MSD	20608043103	2060811P/B6618	08/11/06	2234

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: Case No.: 206080431 SAS No.: SDG No.: 206080431

Lab File ID: U7856 BFB Injection Date: 07/21/06

Instrument ID: MSV3 BFB Injection Time: 0711

GC Column: DB-624-30M ID: 0.53 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.8
75	30.0 - 60.0% of mass 95	56.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	103.0
175	5.0 - 9.0% of mass 174	7.6 (7.3)1
176	95.0 - 101.0% of mass 174	103.2 (100.2)1
177	5.0 - 9.0% of mass 176	7.7 (7.5)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	V3STD005APP9	1201	U7858	07/21/06	0808
02	V3STD010APP9	1206	U7859	07/21/06	0835
03	V3STD020APP9	1202	U7860	07/21/06	0901
04	V3STD050APP9	1203	U7861	07/21/06	0927
05	V3STD100APP9	1204	U7862	07/21/06	0953
06	V3STD200APP9	1205	U7863	07/21/06	1019
07	APP9ICV	1600	U7865	07/21/06	1111
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060721P/U7866 BFB Injection Date: 07/21/06

Instrument ID: MSV3 BFB Injection Time: 1133

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

Analytical Batch: 328552

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	20.13	(	)	
75	30.0 - 60.0% of mass 95	55.8	(	)	
95	Base Peak, 100% relative abundance	93.17	(	)	
96	5.0 -9.0% of mass 95	6.84	(	)	
173	Less than 2.0% of mass 174	.32	(.3	)	1
174	50.0 - 120.0% of mass 95	107.3	(	)	
175	5.0 - 9.0% of mass 174	9.08	(8.46	)	1
176	95.0 - 101.0% of mass 174	104.2	(97.13	)	1
177	5.0 - 9.0% of mass 176	7.89	(7.57	)	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.	V3STD0.20	1209	2060721P/U7867	07/21/06	1210
2.	V3STD0.40	1207	2060721P/U7868	07/21/06	1236
3.	V3STD001	1208	2060721P/U7869	07/21/06	1303
4.	V3STD005	1201	2060721P/U7870	07/21/06	1329
5.	V3STD010	1206	2060721P/U7871	07/21/06	1355
6.	V3STD020	1202	2060721P/U7872	07/21/06	1422
7.	V3STD050	1203	2060721P/U7873	07/21/06	1448
8.	V3STD100	1204	2060721P/U7874	07/21/06	1515
9.	V3STD200	1205	2060721P/U7875	07/21/06	1541
10.	8260ICV	1600	2060721P/U7878	07/21/06	1709

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060806P/U8535 BFB Injection Date: 08/06/06

Instrument ID: MSV3 BFB Injection Time: 1102

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

Analytical Batch: 329645

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	20.22	(	)	
75	30.0 - 60.0% of mass 95	58.08	(	)	
95	Base Peak, 100% relative abundance	93.43	(	)	
96	5.0 -9.0% of mass 95	7.31	(	)	
173	Less than 2.0% of mass 174	.57	(.54	)	1
174	50.0 - 120.0% of mass 95	107.0	(	)	
175	5.0 - 9.0% of mass 174	7.64	(7.14	)	1
176	95.0 - 101.0% of mass 174	105.3	(98.44	)	1
177	5.0 - 9.0% of mass 176	7.68	(7.29	)	2

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

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

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V3STD050	1400	2060806P/U8537	08/06/06	1212
2.	V3STD050APP9	1400	2060806P/U8538	08/06/06	1244
3.	LCS398295	398295	2060806P/U8539	08/06/06	1309
4.	LCSD398296	398296	2060806P/U8540	08/06/06	1334
5.	MB398294	398294	2060806P/U8541	08/06/06	1400
6.	FWPSE-006-EB	20608043109	2060806P/U8553	08/06/06	1916
7.	FWP-003	20608043110	2060806P/U8554	08/06/06	1942

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060614/G5021 BFB Injection Date: 06/14/06

Instrument ID: MSV5 BFB Injection Time: 0614

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

Analytical Batch: 325646

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	16.32	(	)	
75	30.0 - 60.0% of mass 95	38.79	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	5.63	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	75.41	(	)	
175	5.0 - 9.0% of mass 174	4.78	(6.35	)	1
176	95.0 - 101.0% of mass 174	74.12	(98.29	)	1
177	5.0 - 9.0% of mass 176	4.18	(5.64	)	2

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

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

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V5STD002APP9	1206	2060614/G5023	06/14/06	0730
2.	V5STD005APP9	1201	2060614/G5025	06/14/06	0830
3.	V5STD010APP9	1208	2060614/G5026	06/14/06	0856
4.	V5STD020APP9	1202	2060614/G5027	06/14/06	0923
5.	V5STD050APP9	1203	2060614/G5028	06/14/06	0948
6.	V5STD100APP9	1204	2060614/G5029	06/14/06	1015
7.	V5STD200APP9	1205	2060614/G5030	06/14/06	1047
8.	APPICV	1600	2060614/G5032	06/14/06	1142

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060807P/G7054 BFB Injection Date: 08/07/06

Instrument ID: MSV5 BFB Injection Time: 0944

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

Analytical Batch: 329716

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	27.18	(	)	
75	30.0 - 60.0% of mass 95	56.71	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.45	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	56.27	(	)	
175	5.0 - 9.0% of mass 174	4.32	(7.68	)	1
176	95.0 - 101.0% of mass 174	55.76	(99.11	)	1
177	5.0 - 9.0% of mass 176	4.51	(8.09	)	2

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

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

	SAMPLE NO.	*LAB SAMPLE ID*	*LAB FILE ID*	*DATE ANALYZED*	*TIME ANALYZED*
1.	V5STD0.20	1205	2060807P/G7055	08/07/06	1023
2.	V5STD0.40	1209	2060807P/G7056	08/07/06	1058
3.	V5STD001	1207	2060807P/G7057	08/07/06	1134
4.	V5STD005	1201	2060807P/G7058	08/07/06	1159
5.	V5STD010	1208	2060807P/G7059	08/07/06	1225
6.	V5STD020	1202	2060807P/G7060	08/07/06	1250
7.	V5STD050	1203	2060807P/G7061	08/07/06	1315
8.	V5STD100	1204	2060807P/G7062	08/07/06	1341
9.	8260ICV	1600	2060807P/G7064	08/07/06	1451
10.	V5APP9STD	1400	2060807P/G7068	08/07/06	1711

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060811/G7234 BFB Injection Date: 08/11/06

Instrument ID: MSV5 BFB Injection Time: 0726

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

Analytical Batch: 330307

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	27.27	(	)	
75	30.0 - 60.0% of mass 95	57.86	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.43	(	)	
173	Less than 2.0% of mass 174	.14	(.26	)	1
174	50.0 - 120.0% of mass 95	56.7	(	)	
175	5.0 - 9.0% of mass 174	4.33	(7.65	)	1
176	95.0 - 101.0% of mass 174	57.22	(100.9	)	1
177	5.0 - 9.0% of mass 176	3.07	(5.38	)	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.	V5STD050	1400	2060811/G7235	08/11/06	0759
2.	LCS400119	400119	2060811/G7236	08/11/06	0833
3.	LCSD400120	400120	2060811/G7237	08/11/06	0858
4.	V5STD050APP9	1400	2060811/G7238	08/11/06	0923
5.	MB400118	400118	2060811/G7239	08/11/06	0947
6.	FWPSE01-001-(0-0.5)	20608043101	2060811/G7241	08/11/06	1111
7.	SE-501-(0-0.5)	20608043104	2060811/G7242	08/11/06	1136
8.	FWPSE04-004-(0-0.5)	20608043105	2060811/G7243	08/11/06	1201
9.	FWPSE02-002-(0-0.5)	20608043106	2060811/G7244	08/11/06	1226
10.	FWPSE03-003-(0-0.5)	20608043107	2060811/G7245	08/11/06	1251
11.	FWPSE05-005-(0-0.5)	20608043108	2060811/G7246	08/11/06	1316
12.	FWPSE01-001-(0-0.5) MS	20608043102	2060811/G7247	08/11/06	1341
13.	FWPSE01-001-(0-0.5) MSD	20608043103	2060811/G7248	08/11/06	1406

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060810P/B6554 BFB Injection Date: 08/10/06

Instrument ID: MSV6 BFB Injection Time: 1705

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

Analytical Batch: 330280

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	18.04	(	)	
75	30.0 - 60.0% of mass 95	57.71	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.42	(	)	
173	Less than 2.0% of mass 174	.65	(.98	)	1
174	50.0 - 120.0% of mass 95	67.15	(	)	
175	5.0 - 9.0% of mass 174	4.72	(7.04	)	1
176	95.0 - 101.0% of mass 174	64.67	(96.32	)	1
177	5.0 - 9.0% of mass 176	4.22	(6.53	)	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.	V6STD002	1206	2060810P/B6555	08/10/06	1759
2.	V6STD005	1201	2060810P/B6556	08/10/06	1819
3.	V6STD010	1207	2060810P/B6557	08/10/06	1840
4.	V6STD020	1202	2060810P/B6558	08/10/06	1901
5.	V6STD050	1203	2060810P/B6559	08/10/06	1922
6.	V6STD100	1204	2060810P/B6560	08/10/06	1942
7.	V6STD200	1205	2060810P/B6561	08/10/06	2003
8.	8260ICV	1600	2060810P/B6563	08/10/06	2106

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060811P/B6592 BFB Injection Date: 08/11/06

Instrument ID: MSV6 BFB Injection Time: 1134

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

Analytical Batch: 330354

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	18.07	(	)	
75	30.0 - 60.0% of mass 95	56.26	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	7.93	(	)	
173	Less than 2.0% of mass 174	.65	(.96	)	1
174	50.0 - 120.0% of mass 95	67.73	(	)	
175	5.0 - 9.0% of mass 174	4.59	(6.79	)	1
176	95.0 - 101.0% of mass 174	67.39	(99.51	)	1
177	5.0 - 9.0% of mass 176	4.73	(7.03	)	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.	V6STD050STD	1400	2060811P/B6593	08/11/06	1213
2.	LCS400440	400440	2060811P/B6594	08/11/06	1259
3.	LCSD400443	400443	2060811P/B6595	08/11/06	1320
4.	MB400439	400439	2060811P/B6597	08/11/06	1402
5.	FWPSE01-001-(0-0.5)	20608043101	2060811P/B6598	08/11/06	1444
6.	SE-501-(0-0.5)	20608043104	2060811P/B6601	08/11/06	1546
7.	FWPSE04-004-(0-0.5)	20608043105	2060811P/B6602	08/11/06	1607
8.	FWPSE02-002-(0-0.5)	20608043106	2060811P/B6603	08/11/06	1627
9.	FWPSE03-003-(0-0.5)	20608043107	2060811P/B6604	08/11/06	1648
10.	FWPSE05-005-(0-0.5)	20608043108	2060811P/B6614	08/11/06	2111
11.	FWPSE01-001-(0-0.5) MS	20608043102	2060811P/B6617	08/11/06	2213
12.	FWPSE01-001-(0-0.5) MSD	20608043103	2060811P/B6618	08/11/06	2234

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID (Standard): 2060806p/u8537 Date Analyzed: 08/06/06

Instrument ID: MSV3 Time: 1212

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

Analytical Batch: 329645

	IS 1 Area		RT		IS 2 Area		RT		IS 3 Area		RT	
STANDARD	1275821		6.46		1456345		8.88		2625618		4.23	
EPA Sample		#		#		#		#		#		#
1. LCS398295	1379261		6.46		1553944		8.88		2852140		4.23	
2. LCSD398296	1432464		6.46		1600332		8.88		2959291		4.23	
3. MB398294	1263076		6.46		1372122		8.88		2691565		4.23	
4. FWPSE-006-EB	1030434		6.46		1064011		8.88		2159315		4.23	
5. FWP-003	1082820		6.46		1105743		8.88		2239277		4.23	

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.: 206080431

Lab File ID (Standard): 2060811/g7235 Date Analyzed: 08/11/06

Instrument ID: MSV5 Time: 0759

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

Analytical Batch: 330307

	IS 1 Area	#	RT	#	IS 2 Area	#	RT	#	IS 3 Area	#	RT	#
STANDARD	554535		7.62		420215		9.2		933059		5.44	
EPA Sample												
1. LCS400119	526324		7.62		383931		9.2		937108		5.44	
2. FWPSE01-001-(0-0.5) MS	504866		7.62		381507		9.2		887773		5.44	
3. FWPSE01-001-(0-0.5) MSD	526752		7.62		397066		9.2		944133		5.44	
4. LCSD400120	571953		7.62		403666		9.19		1032796		5.44	
5. MB400118	552624		7.62		380623		9.2		1034776		5.44	
6. FWPSE01-001-(0-0.5)	531455		7.62		383455		9.2		971364		5.43	
7. SE-501-(0-0.5)	513996		7.62		351997		9.2		924649		5.44	
8. FWPSE04-004-(0-0.5)	522379		7.62		353645		9.2		943746		5.44	
9. FWPSE02-002-(0-0.5)	502218		7.62		334382		9.2		895602		5.44	
10. FWPSE03-003-(0-0.5)	500784		7.62		343369		9.2		932566		5.44	
11. FWPSE05-005-(0-0.5)	490035		7.62		337052		9.2		889979		5.44	

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.: 206080431

Lab File ID (Standard): 2060811p/b6593 Date Analyzed: 08/11/06

Instrument ID: MSV6 Time: 1213

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

Analytical Batch: 330354

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
STANDARD	577468		8.26		392779		10.86		1126863		4.46	
EPA Sample		#		#		#		#		#		#
1. LCS400440	510593		8.25		348548		10.86		1034146		4.46	
2. FWPSE01-001-(0-0.5) MS	489043		8.25		333332		10.86		980083		4.46	
3. FWPSE01-001-(0-0.5) MSD	487822		8.25		324624		10.86		1001857		4.46	
4. LCSD400443	512224		8.25		357539		10.86		1040048		4.46	
5. MB400439	487778		8.25		342958		10.86		1007340		4.46	
6. FWPSE01-001-(0-0.5)	487258		8.26		326648		10.86		993031		4.46	
7. SE-501-(0-0.5)	460838		8.25		313134		10.86		928613		4.46	
8. FWPSE04-004-(0-0.5)	459891		8.25		310952		10.86		934556		4.46	
9. FWPSE02-002-(0-0.5)	475146		8.25		319596		10.86		967025		4.46	
10. FWPSE03-003-(0-0.5)	471717		8.25		325816		10.86		941704		4.46	
11. FWPSE05-005-(0-0.5)	462787		8.25		310559		10.86		961511		4.46	

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.

FWPSE01-001-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 42.0

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043101

Lab File ID: 2060811P/B6598

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1444

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

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	U	0.00152	0.043
71-55-6	1,1,1-Trichloroethane	0.043	U	0.00106	0.043
79-34-5	1,1,2,2-Tetrachloroethane	0.043	U	0.00155	0.043
79-00-5	1,1,2-Trichloroethane	0.043	U	0.000982	0.043
75-34-3	1,1-Dichloroethane	0.043	U	0.00137	0.043
75-35-4	1,1-Dichloroethene	0.043	U	0.00309	0.043
563-58-6	1,1-Dichloropropene	0.043	U	0.00112	0.043
96-18-4	1,2,3-Trichloropropane	0.017	U	0.00211	0.017
120-82-1	1,2,4-Trichlorobenzene	0.043	U	0.00282	0.043
95-63-6	1,2,4-Trimethylbenzene	0.043	U	0.00171	0.043
96-12-8	1,2-Dibromo-3-chloropropane	0.043	U	0.00746	0.043
106-93-4	1,2-Dibromoethane	0.043	U	0.00129	0.043
95-50-1	1,2-Dichlorobenzene	0.043	U	0.000982	0.043
107-06-2	1,2-Dichloroethane	0.043	U	0.000982	0.043
78-87-5	1,2-Dichloropropane	0.043	U	0.000965	0.043
108-67-8	1,3,5-Trimethylbenzene	0.043	U	0.00140	0.043
541-73-1	1,3-Dichlorobenzene	0.043	U	0.00203	0.043
142-28-9	1,3-Dichloropropane	0.043	U	0.00117	0.043
106-46-7	1,4-Dichlorobenzene	0.043	U	0.00363	0.043
594-20-7	2,2-Dichloropropane	0.043	U	0.00152	0.043
78-93-3	2-Butanone	0.043	U	0.00269	0.043
95-49-8	2-Chlorotoluene	0.043	U	0.00129	0.043
591-78-6	2-Hexanone	0.043	U	0.00712	0.043
106-43-4	4-Chlorotoluene	0.043	U	0.00280	0.043
99-87-6	4-Isopropyltoluene	0.043	U	0.00139	0.043
108-10-1	4-Methyl-2-pentanone	0.043	U	0.00149	0.043
67-64-1	Acetone	0.032	JB	0.00322	0.215
107-02-8	Acrolein	0.215	U	0.020	0.215
107-13-1	Acrylonitrile	0.215	U	0.00613	0.215
71-43-2	Benzene	0.043	U	0.000896	0.043
108-86-1	Bromobenzene	0.043	U	0.00202	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 42.0

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043101

Lab File ID: 2060811P/B6598

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1444

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.043	U	0.00116	0.043
75-25-2	Bromoform	0.043	U	0.00146	0.043
74-83-9	Bromomethane	0.043	U	0.013	0.043
104-51-8	n-Butylbenzene	0.043	U	0.00153	0.043
75-15-0	Carbon disulfide	0.043	U	0.000939	0.043
56-23-5	Carbon tetrachloride	0.043	U	0.00103	0.043
108-90-7	Chlorobenzene	0.043	U	0.00142	0.043
75-00-3	Chloroethane	0.043	U	0.00522	0.043
67-66-3	Chloroform	0.043	U	0.00121	0.043
74-87-3	Chloromethane	0.043	U	0.00400	0.043
110-82-7	Cyclohexane	0.043	U	0.00953	0.043
124-48-1	Dibromochloromethane	0.043	U	0.000775	0.043
74-95-3	Dibromomethane	0.043	U	0.00134	0.043
75-71-8	Dichlorodifluoromethane	0.043	U	0.00314	0.043
10061-01-5	cis-1,3-Dichloropropene	0.043	U	0.000991	0.043
10061-02-6	trans-1,3-Dichloropropene	0.043	U	0.00121	0.043
100-41-4	Ethylbenzene	0.043	U	0.00178	0.043
87-68-3	Hexachlorobutadiene	0.043	U	0.011	0.043
98-82-8	Isopropylbenzene (Cumene)	0.043	U	0.00132	0.043
79-20-9	Methyl Acetate	0.043	U	0.013	0.043
74-88-4	Methyl iodide	0.043	U	0.00781	0.043
108-87-2	Methylcyclohexane	0.043	U	0.00319	0.043
75-09-2	Methylene chloride	0.069	JB	0.00413	0.086
91-20-3	Naphthalene	0.043	U	0.00324	0.043
100-42-5	Styrene	0.043	U	0.00131	0.043
127-18-4	Tetrachloroethene	0.043	U	0.00165	0.043
108-88-3	Toluene	0.043	U	0.00474	0.043
79-01-6	Trichloroethene	0.043	U	0.00152	0.043
75-69-4	Trichlorofluoromethane	0.043	U	0.00217	0.043
76-13-1	Trichlorotrifluoroethane	0.043	U	0.00162	0.043
108-05-4	Vinyl acetate	0.043	U	0.00843	0.043
75-01-4	Vinyl chloride	0.043	U	0.00302	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043101

Level: (low/med) LOW

Lab File ID: 2060811P/B6598

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1444

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.086	U	0.00493	0.086
156-59-2	cis-1,2-Dichloroethene	0.043	U	0.00109	0.043
136777-61-	m,p-Xylene	0.043	U	0.00343	0.043
103-65-1	n-Propylbenzene	0.043	U	0.00121	0.043
95-47-6	o-Xylene	0.043	U	0.00150	0.043
135-98-8	sec-Butylbenzene	0.043	U	0.00101	0.043
1634-04-4	tert-Butyl methyl ether (MTBE)	0.043	U	0.000638	0.043
98-06-6	tert-Butylbenzene	0.043	U	0.00217	0.043
156-60-5	trans-1,2-Dichloroethene	0.043	U	0.00141	0.043
110-57-6	trans-1,4-Dichloro-2-butene	0.043	U	0.00621	0.043

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6598.d
Lab Smp Id: 20608043101 Client Smp ID: FWPSE01-001-(0-0.5)
Inj Date : 11-AUG-2006 14:44
Operator : AJV Inst ID: msv6.i
Smp Info : 20608043101*FWPSE01-001-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 7
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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
4 Bromomethane	94	1.297	1.289	(0.291)	5983	1.30813	6.54	4370(a)
8 Acetone	43	1.626	1.626	(0.365)	15868	3.71896	18.6	6226(a)
13 Methylene Chloride	49	1.880	1.886	(0.422)	69954	7.99307	40.0	8870
$ 28 Dibromofluoromethane	111	3.188	3.188	(0.715)	248564	52.5970	263	5862
$ 31 1,2-Dichloroethane-d4	67	3.618	3.615	(0.811)	189163	54.1985	271	9334
* 41 FLUOROBENZENE	96	4.460	4.462	(1.000)	993031	50.0000		9522
$ 68 Toluene-d8	98	6.548	6.551	(0.793)	1133844	60.4692	302	9569
* 85 Chlorobenzene-d5	82	8.258	8.255	(1.000)	487258	50.0000		9473
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.178)	293372	53.9592	270	9436
* 116 1,4-DICHLOROBENZENE-D4	152	10.860	10.860	(1.000)	326648	50.0000		9586

QC Flag Legend

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

166501

Data File: /var/chem/msv6.i/2060811p.s.b/b6598.d

Date : 11-AUG-2006 14:44

Client ID: FWPSE01-001-(0-0.5)

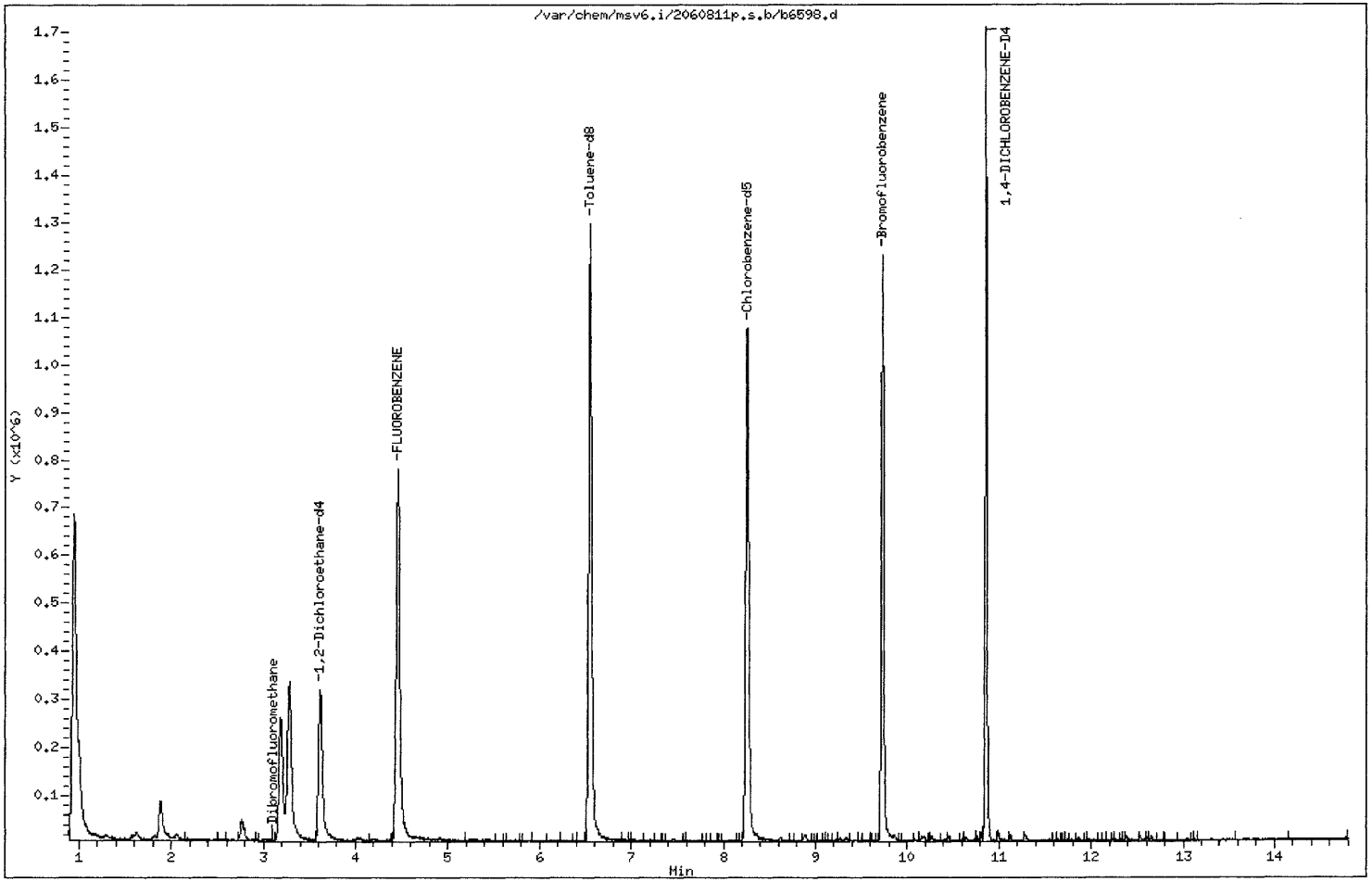
Instrument: msv6.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Operator: AJW

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv6.i/2060811p.s.b/b6598.d

Date : 11-AUG-2006 14:44

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

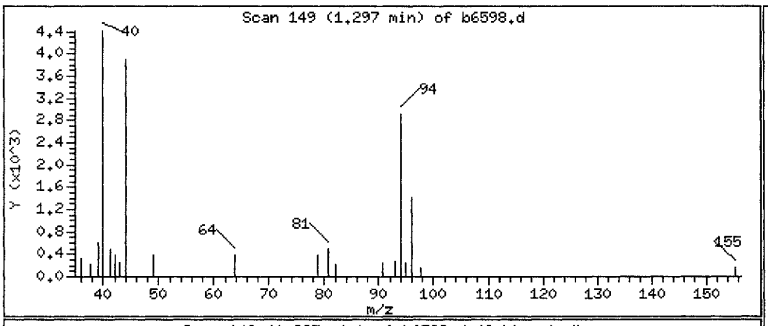
Operator: AJV

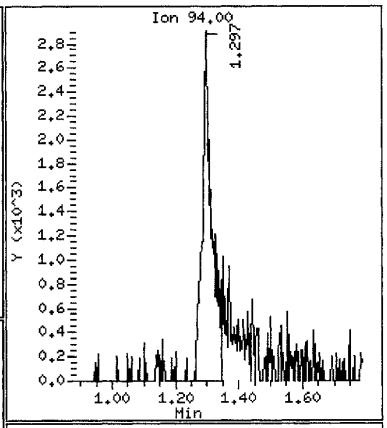
Column phase: DB-624-30M

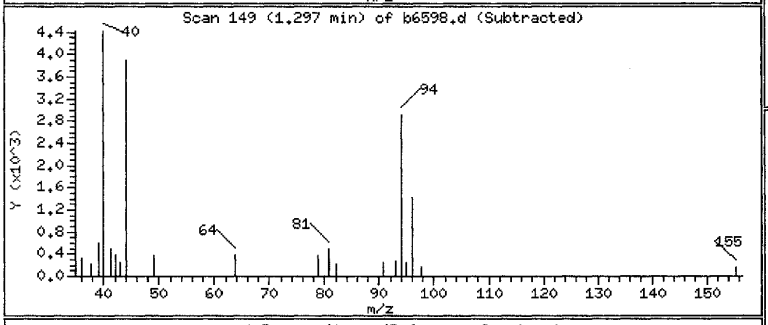
Column diameter: 0.53

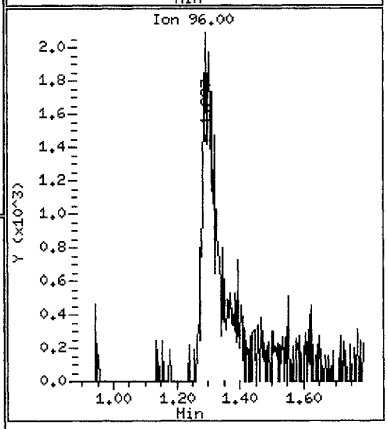
4 Bromomethane

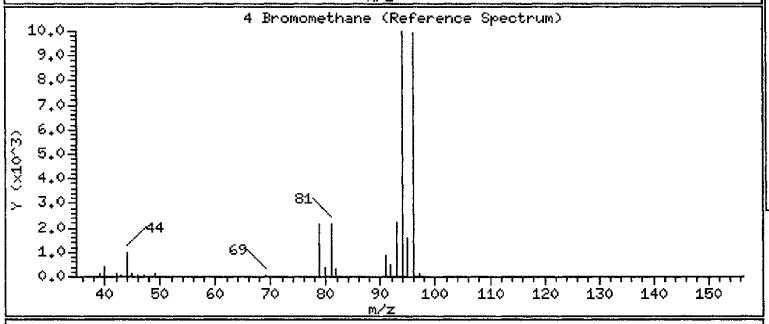
Concentration: 6.54 ug/Kg

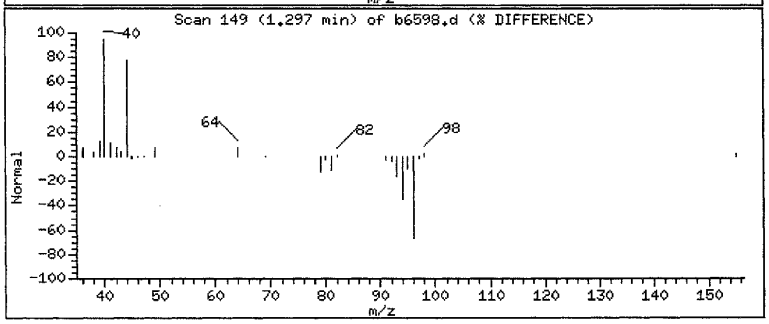












000042

166503

Data File: /var/chem/msv6.i/2060811p.s.b/b6598.d

Date : 11-AUG-2006 14:44

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

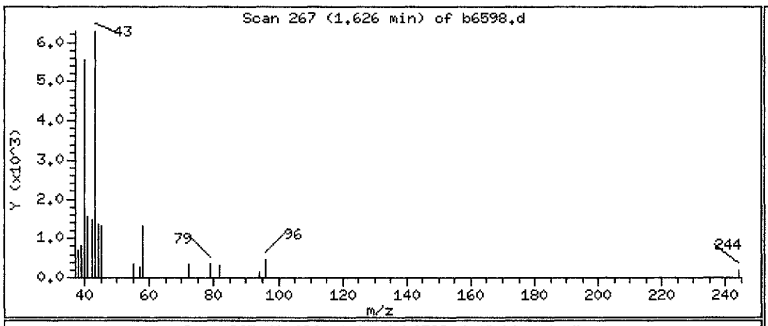
Operator: AJV

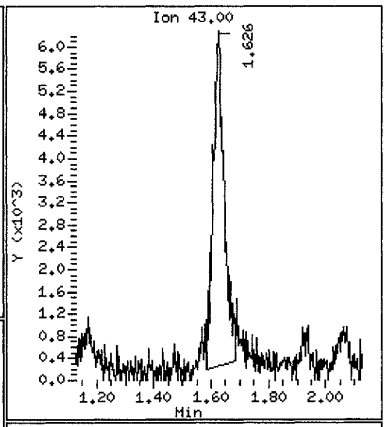
Column phase: DB-624-30M

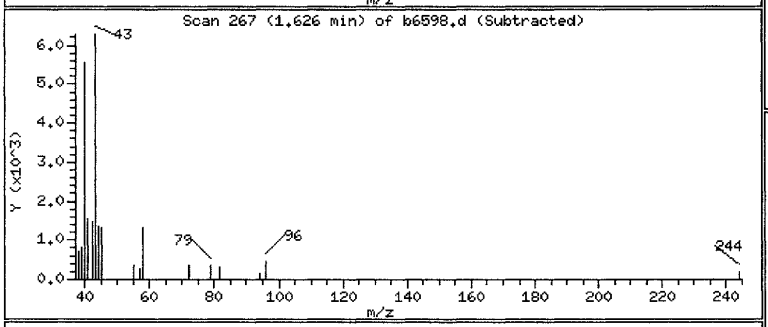
Column diameter: 0.53

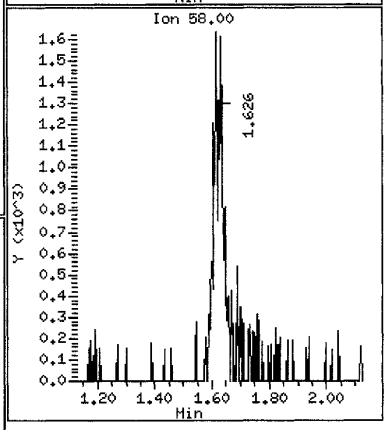
8 Acetone

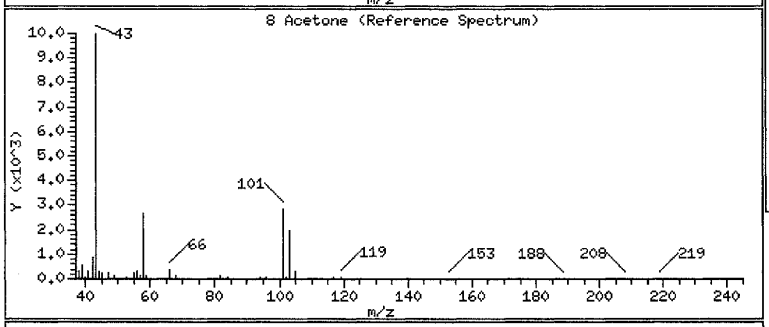
Concentration: 18.6 ug/Kg

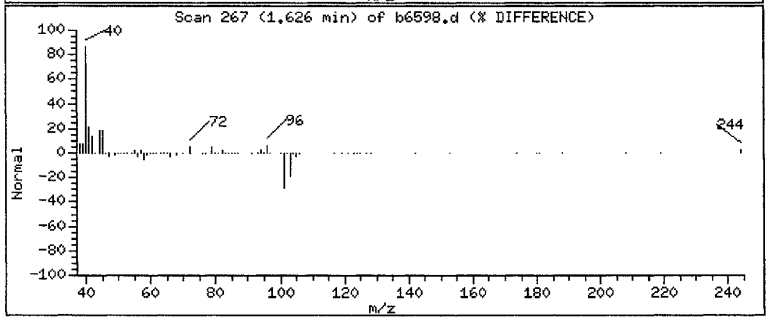












000043

166504

Data File: /var/chem/msv6.i/20060811p.s.b/b6598.d

Date : 11-AUG-2006 14:44

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

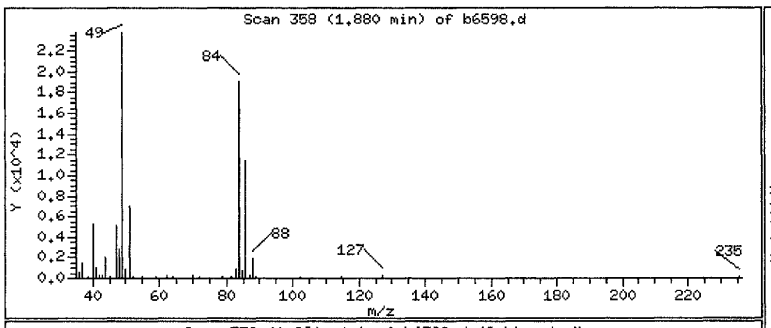
Operator: AJV

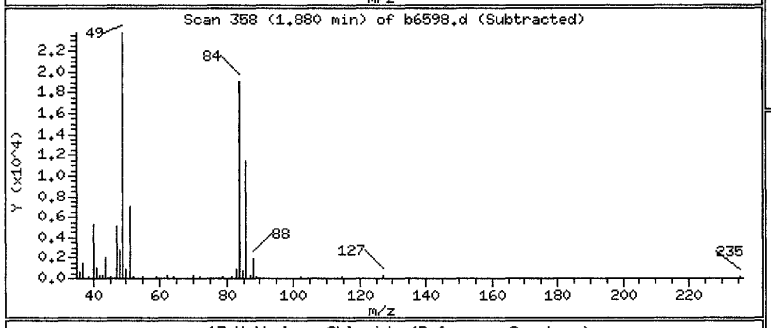
Column phase: DB-624-30M

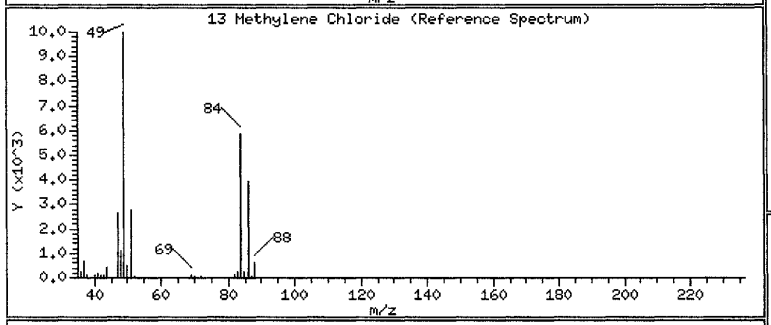
Column diameter: 0.53

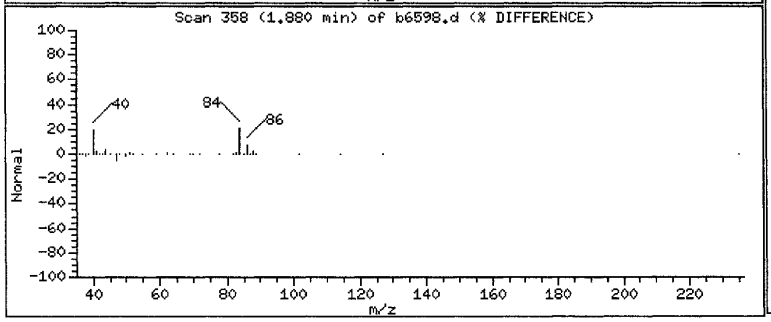
13 Methylene Chloride

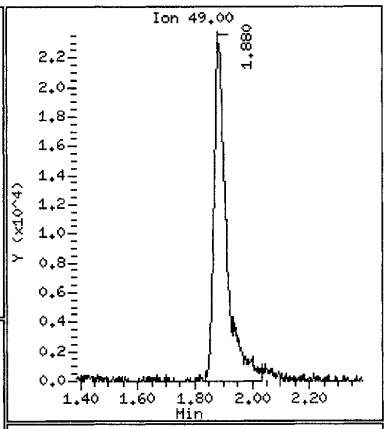
Concentration: 40.0 ug/Kg

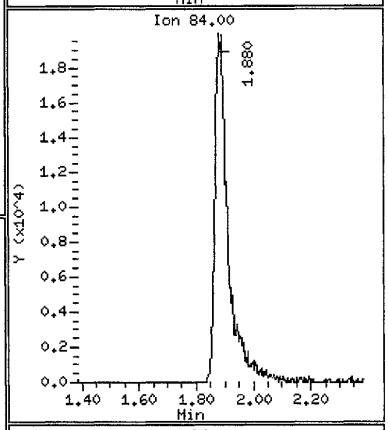


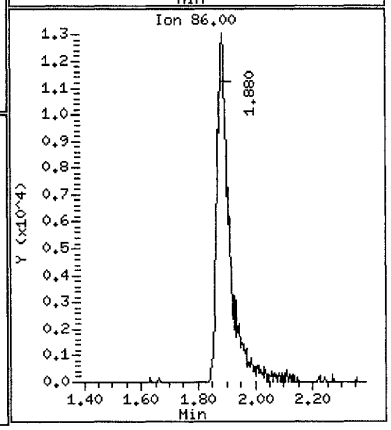












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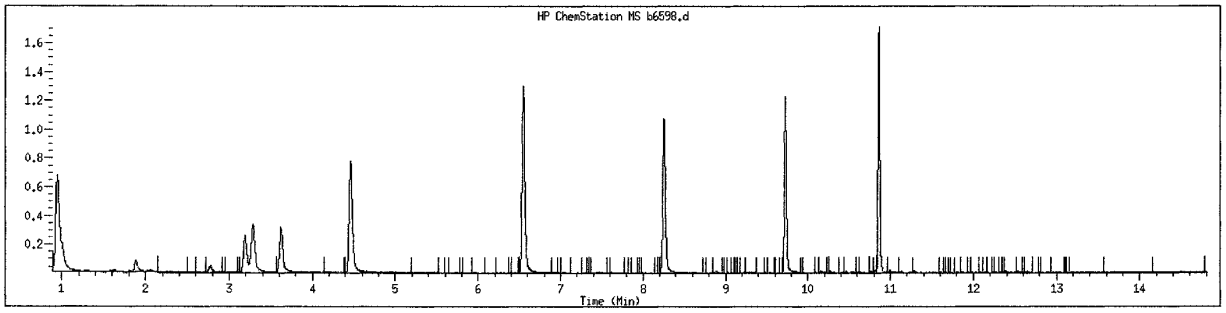
166505

Data file : /var/chem/msv6.i/2060811p.s.b/b6598.d Page: 1
Report Date: 08/14/2006 14:57

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043101 SampleType : SAMPLE
Injection Date: 11-AUG-2006 14:44 Instrument : msv6.i
Operator : AJV
Sample Info : 20608043101*FWPSE01-001-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000045

166506

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

Sample wt/vol: 5.09 (g/ml) g

Lab Sample ID: 20608043101

Level: (low/med) LOW

Lab File ID: 2060811/G7241

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 1111

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.423	U	0.178	0.423
71-36-3	n-Butyl alcohol	2.12	U	0.085	2.12

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7241.d
Lab Smp Id: 20608043101 Client Smp ID: FWPSE01-001-(0-0.5)
Inj Date : 11-AUG-2006 11:11
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043101*FWPSE01-001-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 2
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.09000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
17 Methylene Chloride	49	3.220	3.228	(0.593)	58749	4.08214	200	
18 Acetone	43	3.296	3.292	(0.607)	52988	20.8595	1020	
20 Methyl Acetate	43	3.425	3.427	(0.630)	43002	10.7066	526	3837
29 Acrylonitrile	53	4.028	4.025	(0.741)	18778	9.16678	450	(H)
37 Ethyl Acetate	43	4.777	4.780	(0.879)	80012	27.7523	1360	3719(H)
$ 39 Dibromofluoromethane	111	4.818	4.818	(0.887)	395442	53.5854	2630	6207
$ 48 1,2-Dichloroethane-d4	67	5.222	5.229	(0.961)	269850	56.6641	2780	
* 52 FLUOROBENZENE	96	5.433	5.438	(1.000)	971364	50.0000		
$ 67 Toluene-d8	98	6.558	6.556	(0.860)	1000064	55.6126	2730	
* 83 CHLOROBENZENE-d5	82	7.624	7.619	(1.000)	531455	50.0000		
$ 94 Bromofluorobenzene	174	8.449	8.443	(1.108)	287006	52.4836	2580	
* 111 1,4-DICHLOROBENZENE-D4	152	9.200	9.199	(1.000)	383455	50.0000		

000047

166508

QC Flag Legend

H - Operator selected an alternate compound hit.

166509

Data File: /var/chem/msv5.i/2060811.s.b/g7241.d

Date : 11-AUG-2006 11:11

Client ID: FWPSE01-001-(0-0.5)

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Purge Volume: 5.0

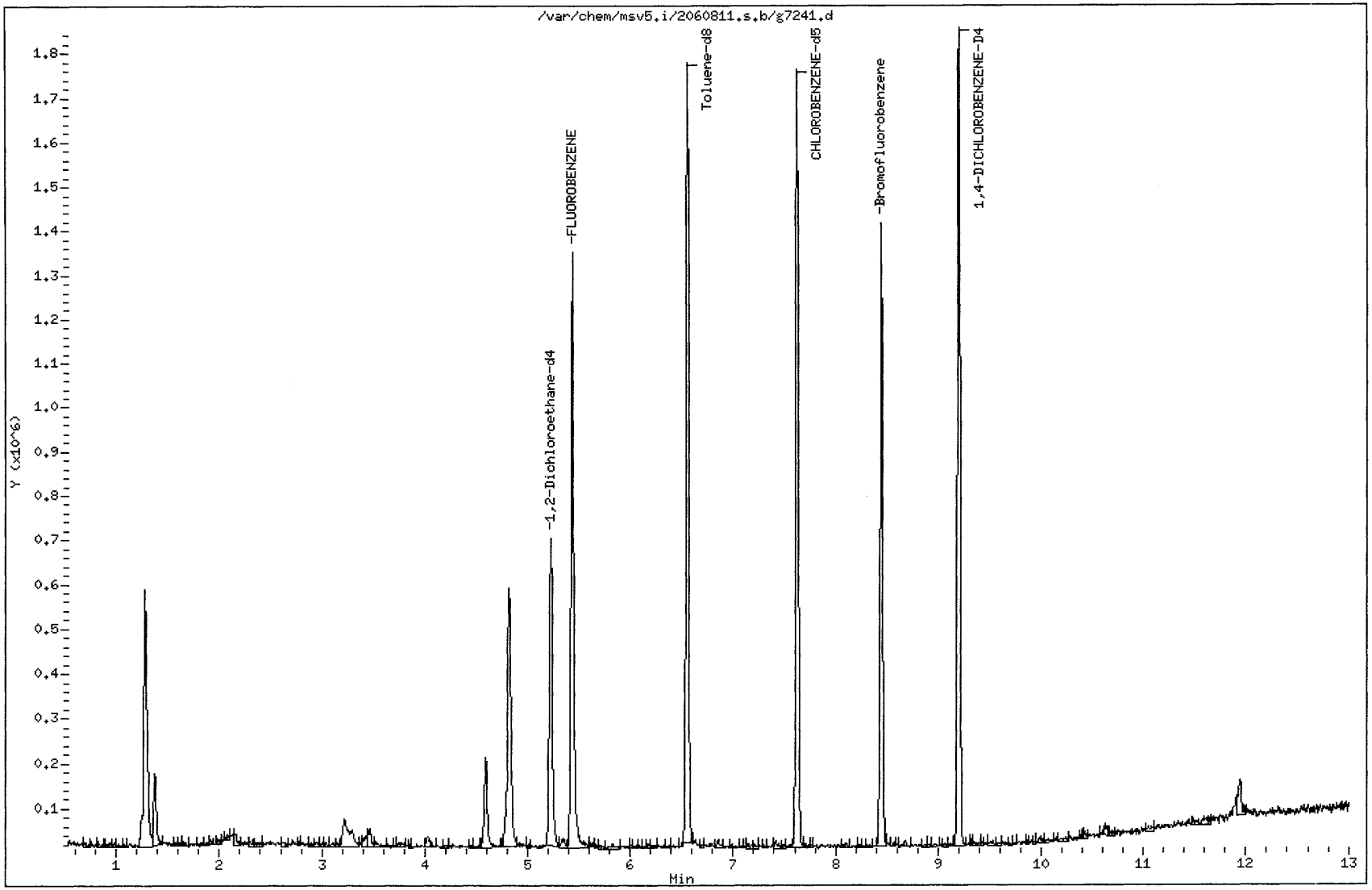
Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: VWM

Column diameter: 0.53

000049



Data File: /var/chem/msv5.i/2060811.s.b/g7241.d

Date : 11-AUG-2006 11:11

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Purge Volume: 5.0

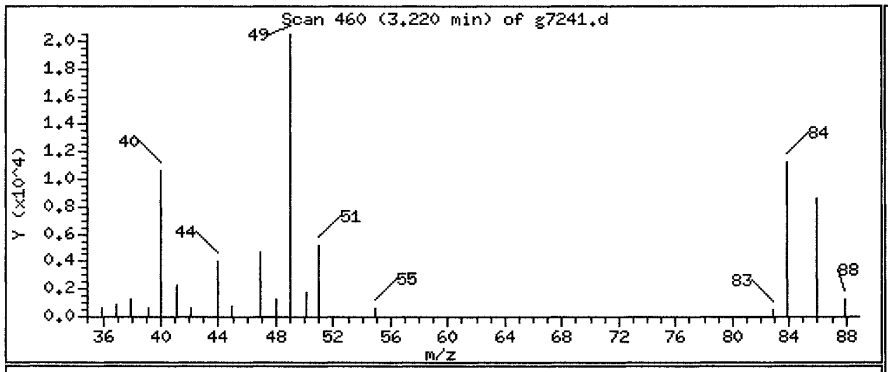
Operator: VWM

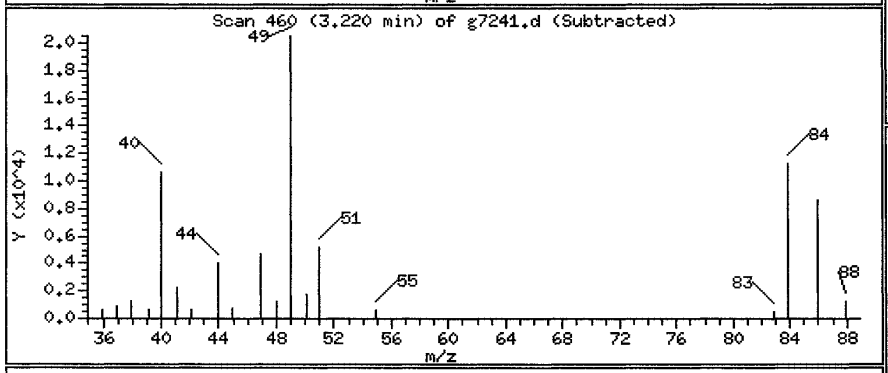
Column phase: DB-VRX-30M

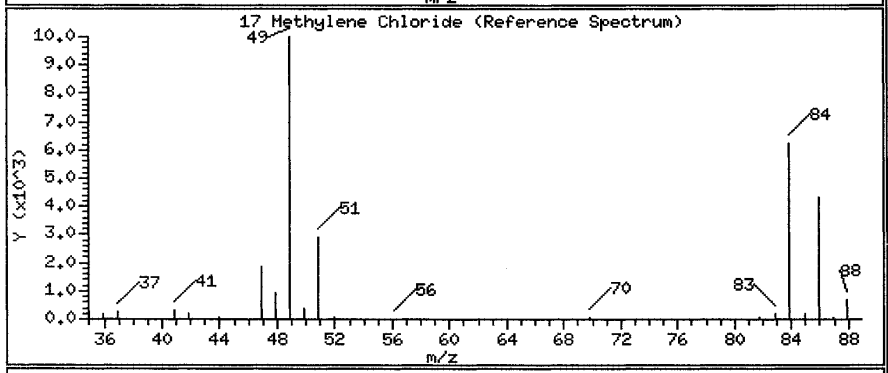
Column diameter: 0.53

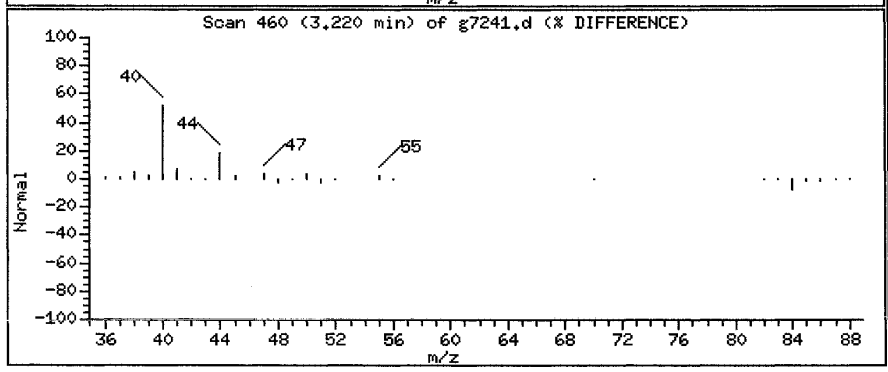
17 Methylene Chloride

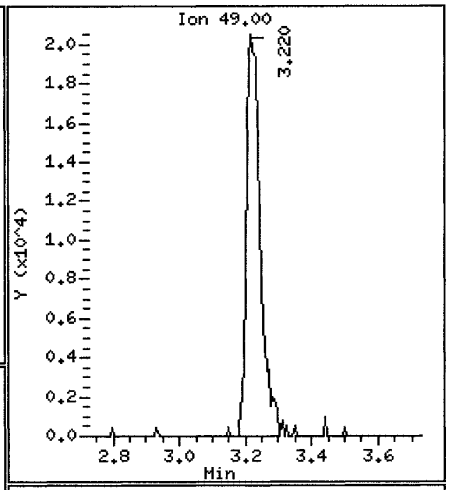
Concentration: 200 UG/KG

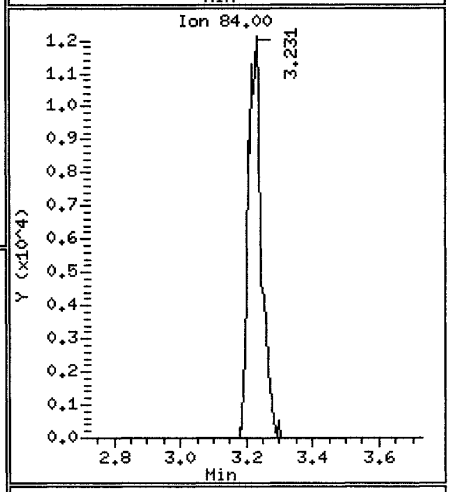


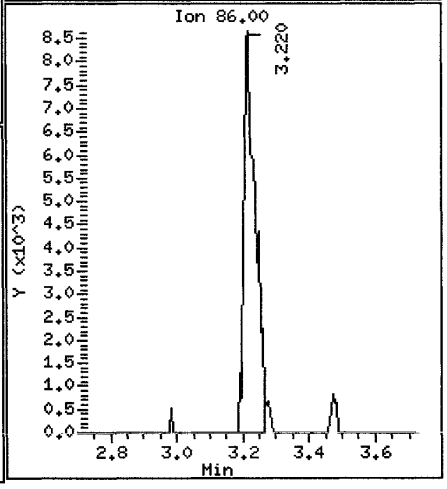












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166511

Data File: /var/chem/msv5.i/2060811.s.b/g7241.d

Date : 11-AUG-2006 11:11

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Purge Volume: 5.0

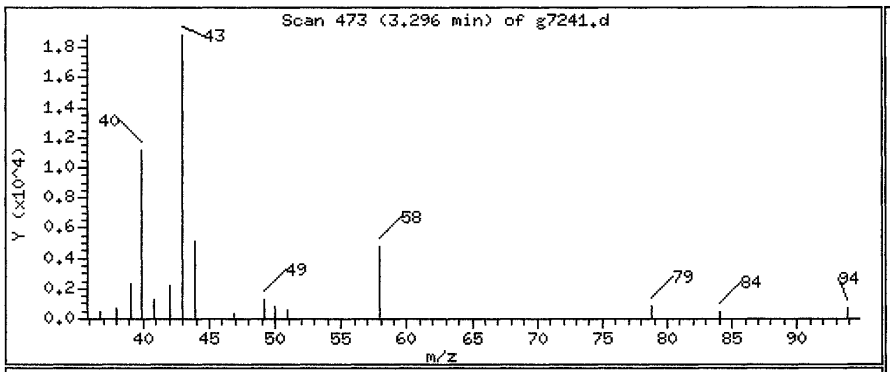
Operator: VWM

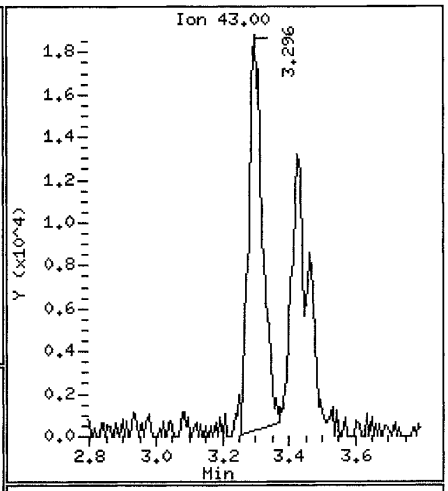
Column phase: DB-VRX-30M

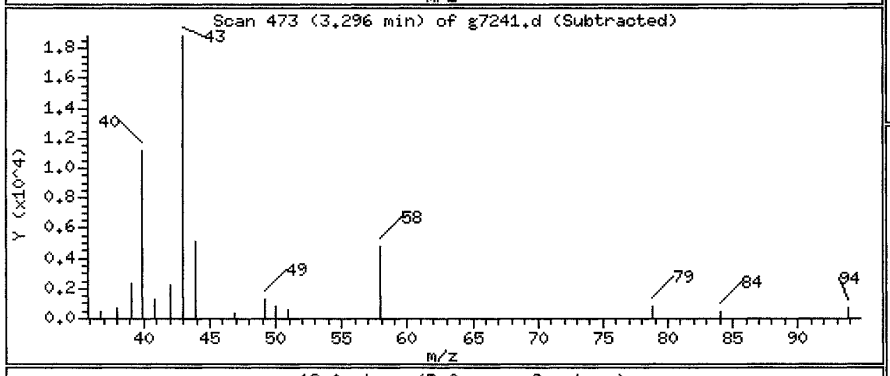
Column diameter: 0.53

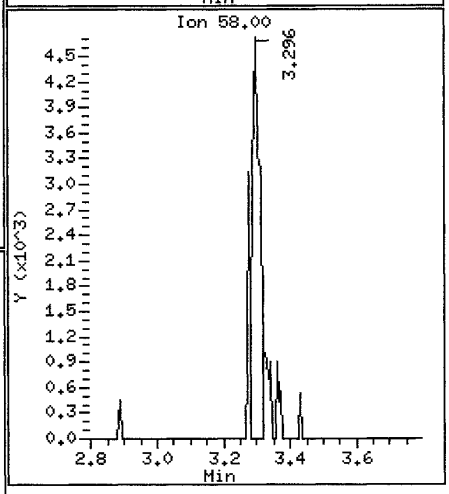
18 Acetone

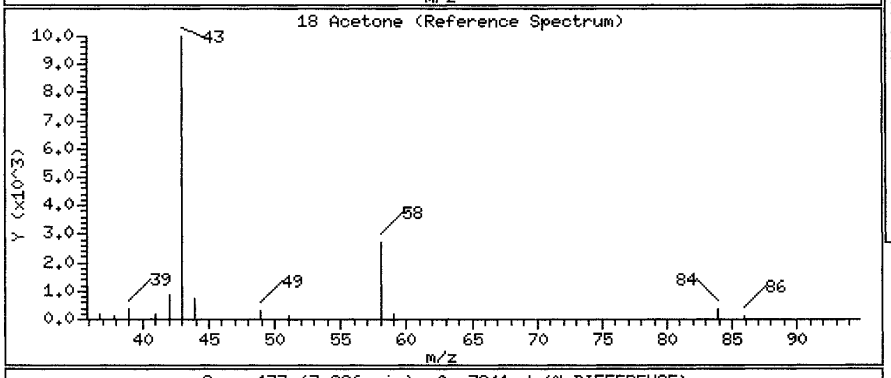
Concentration: 1020 UG/KG

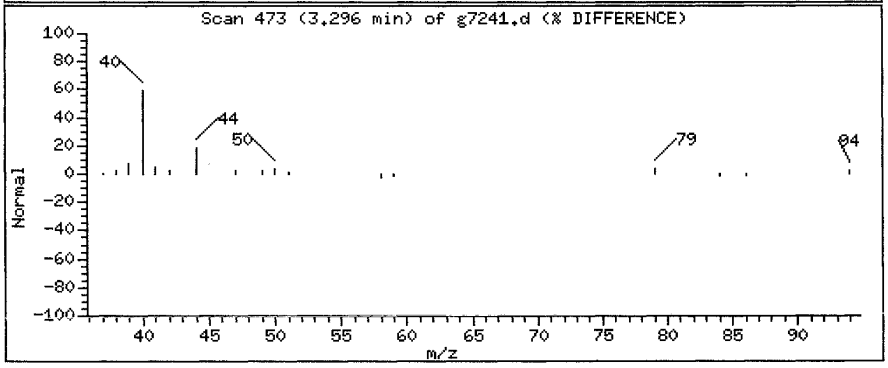












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166512

Data File: /var/chem/msv5.i/2060811.s.b/g7241.d

Date : 11-AUG-2006 11:11

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Purge Volume: 5.0

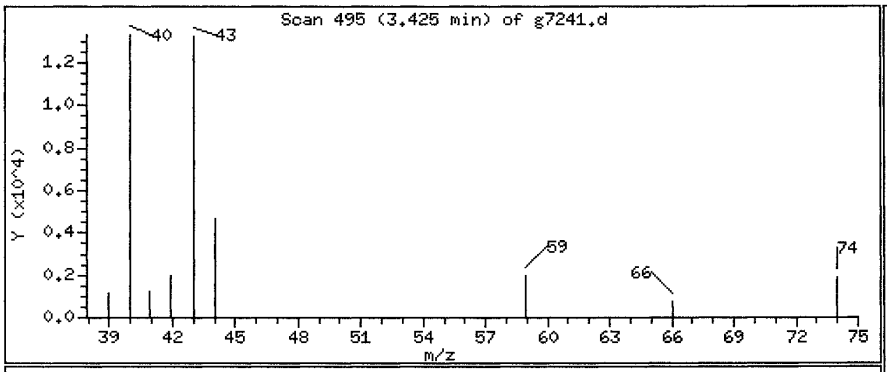
Operator: VWM

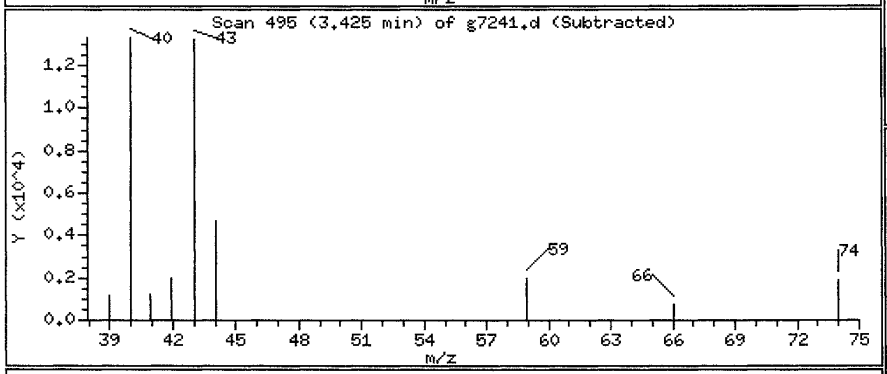
Column phase: DB-VRX-30M

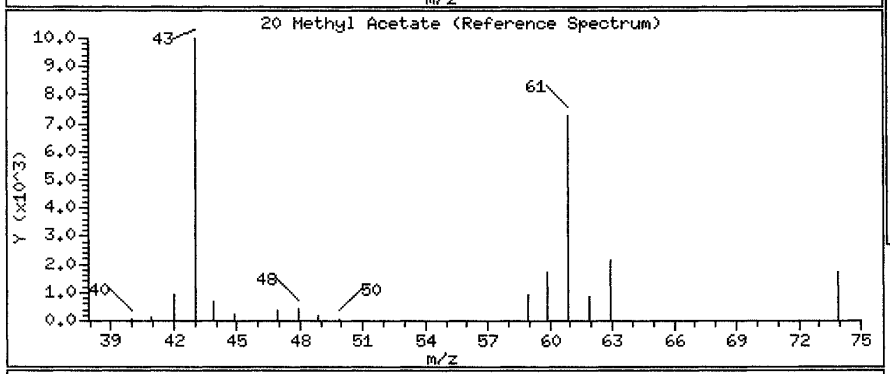
Column diameter: 0.53

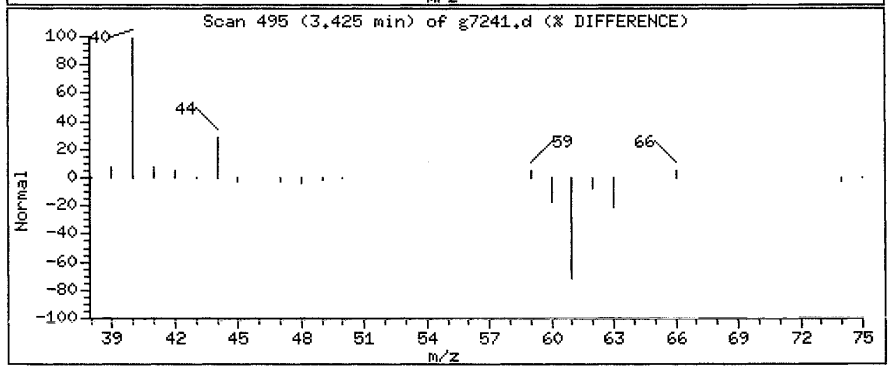
20 Methyl Acetate

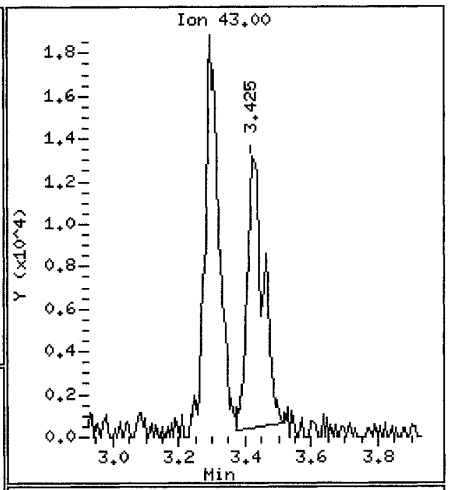
Concentration: 526 UG/KG

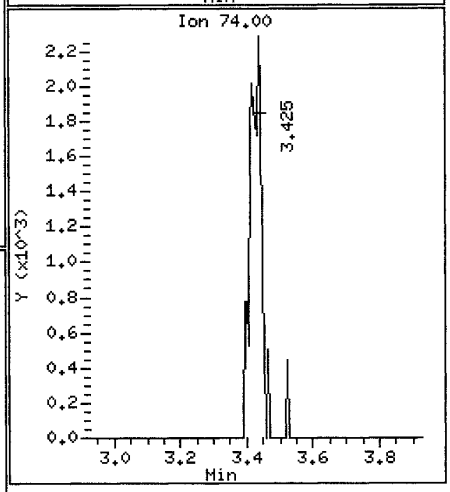












000052

166513

Data File: /var/chem/msv5.i/2060811.s.b/g7241.d

Date : 11-AUG-2006 11:11

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Purge Volume: 5.0

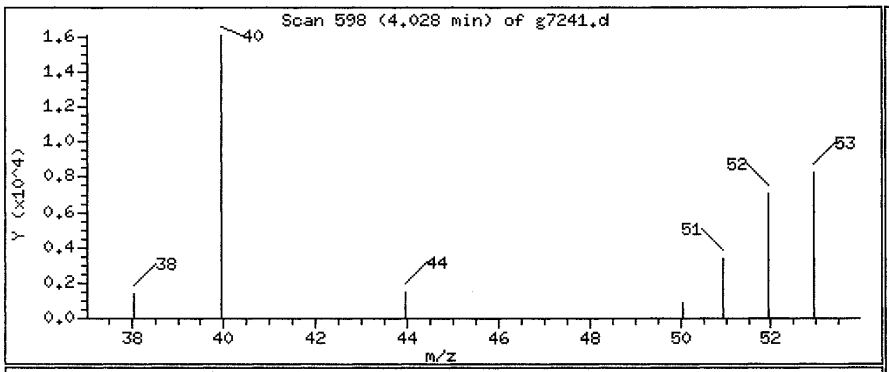
Operator: VWM

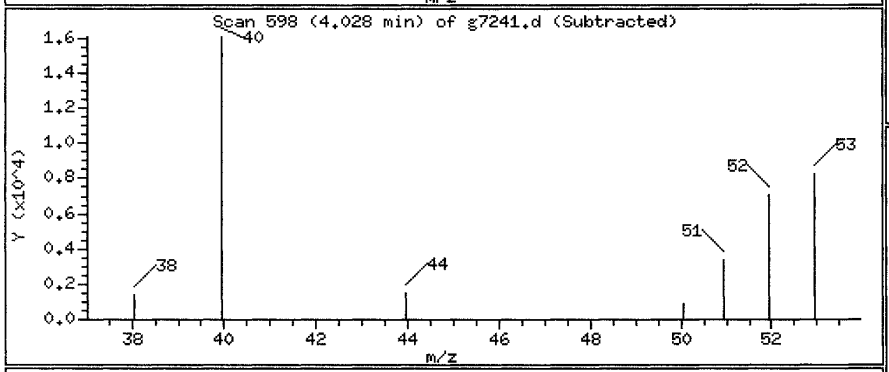
Column phase: DB-VRX-30M

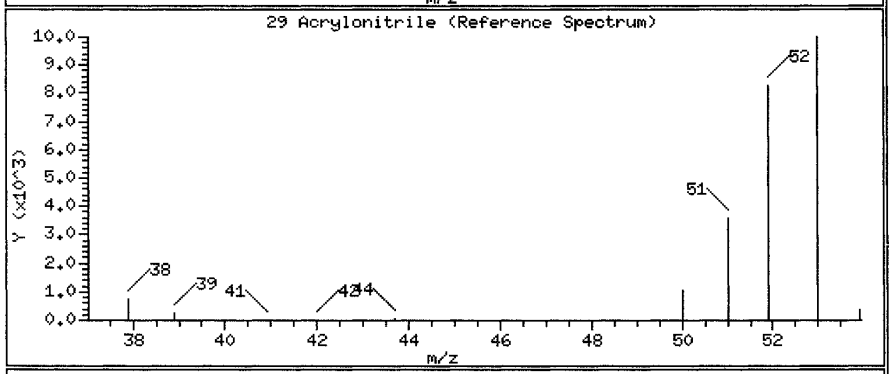
Column diameter: 0.53

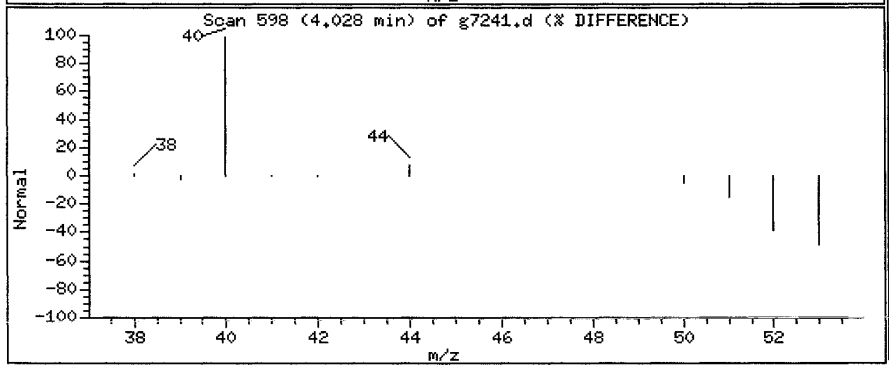
29 Acrylonitrile

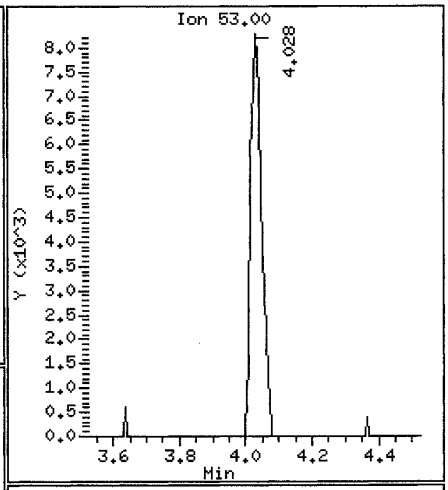
Concentration: 450 UG/KG

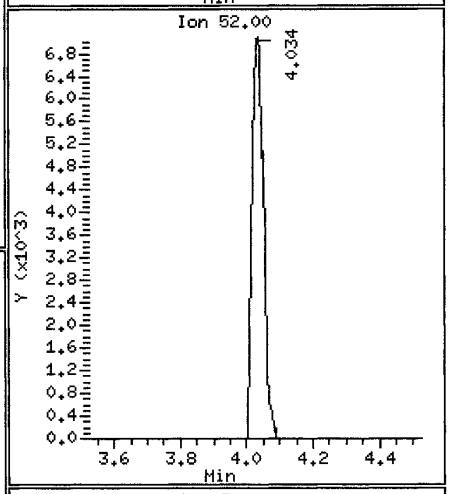


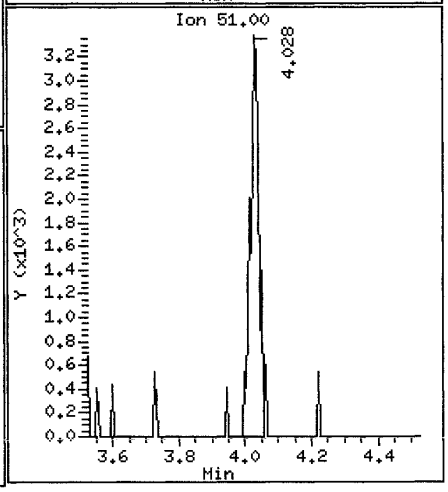












000053

Data File: /var/chem/msv5.i/2060811.s.b/g7241.d

Date : 11-AUG-2006 11:11

Client ID: FWPSE01-001-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043101*FWPSE01-001-(0-0.5)

Purge Volume: 5.0

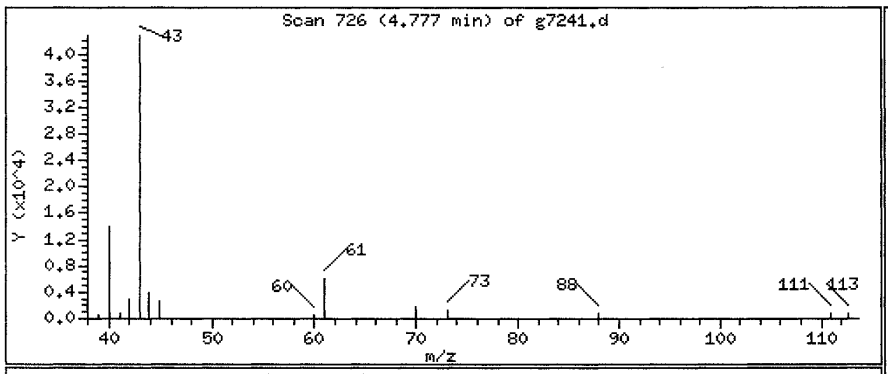
Operator: VWM

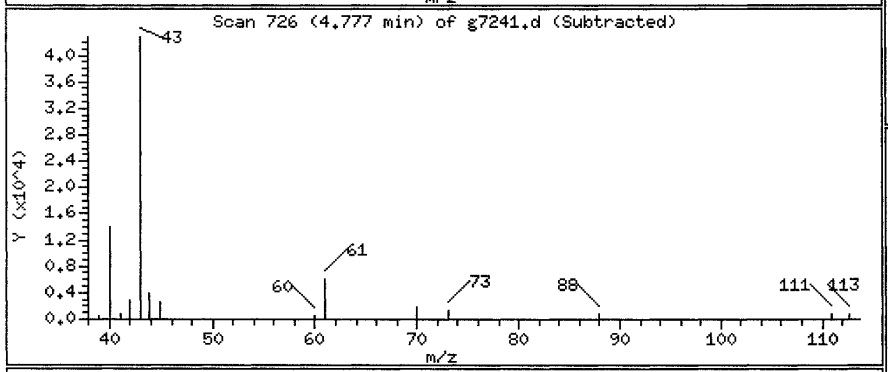
Column phase: DB-VRX-30M

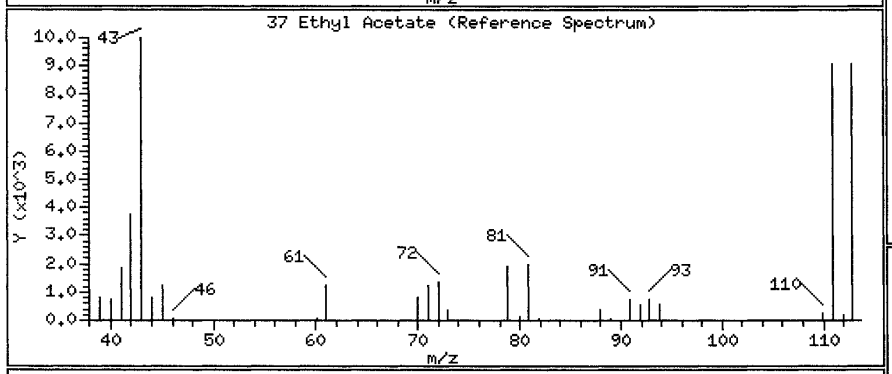
Column diameter: 0.53

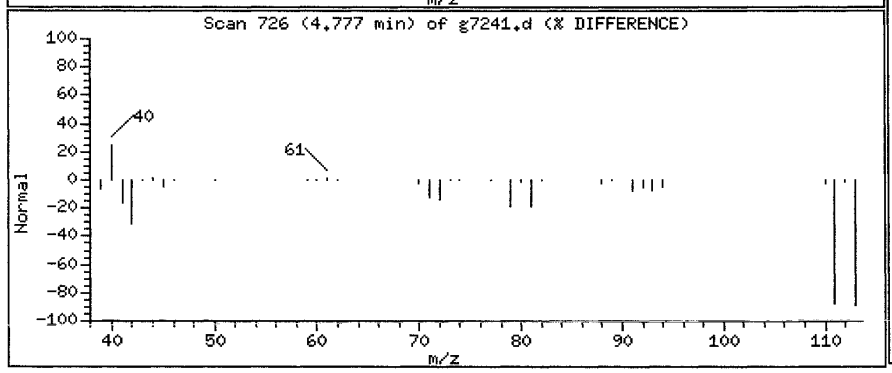
37 Ethyl Acetate

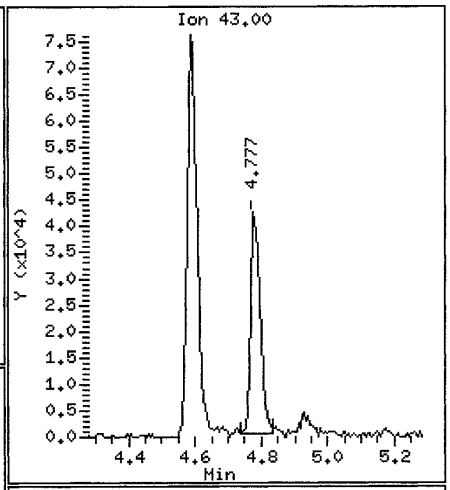
Concentration: 1360 UG/KG

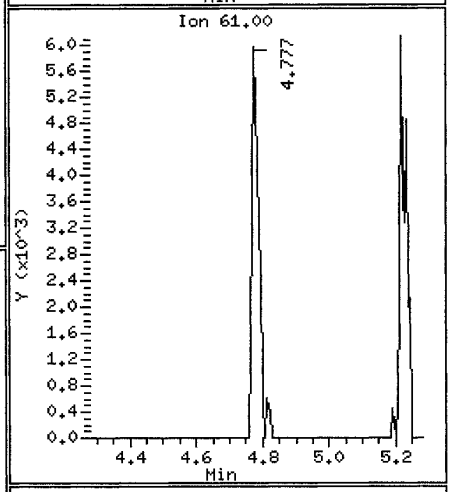


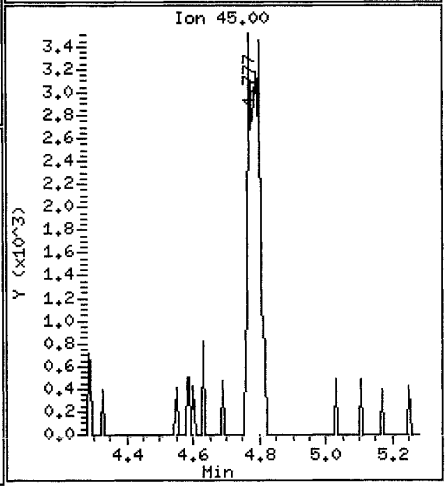










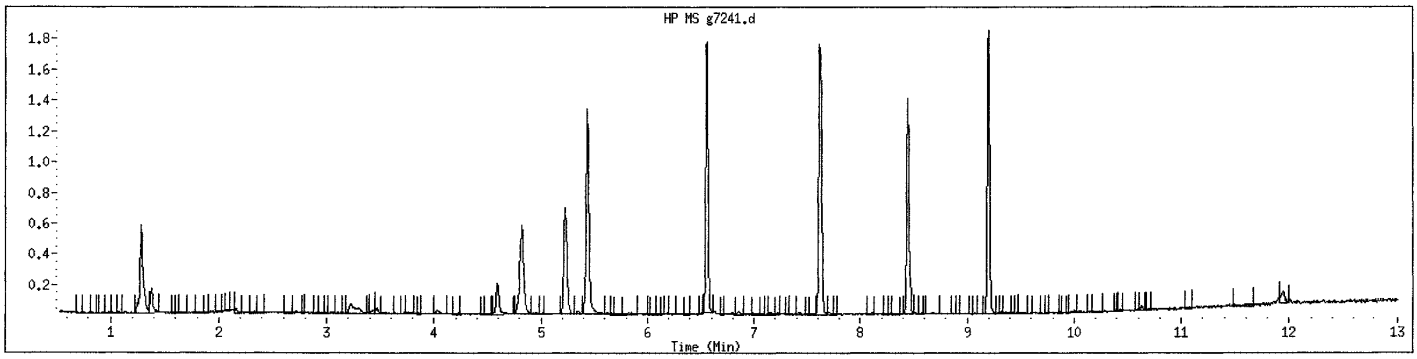


000054

166515

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043101 SampleType : SAMPLE
Injection Date: 11-AUG-2006 11:11 Instrument : msv5.i
Operator : VWM
Sample Info : 20608043101*FWPSE01-001-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

166516

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-501-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 43.2

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043104

Lab File ID: 2060811P/B6601

Date Collected: 08/02/06 Time: 1405

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1546

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.044	U	0.00155	0.044
71-55-6	1,1,1-Trichloroethane	0.044	U	0.00108	0.044
79-34-5	1,1,2,2-Tetrachloroethane	0.044	U	0.00158	0.044
79-00-5	1,1,2-Trichloroethane	0.044	U	0.00100	0.044
75-34-3	1,1-Dichloroethane	0.044	U	0.00140	0.044
75-35-4	1,1-Dichloroethene	0.044	U	0.00316	0.044
563-58-6	1,1-Dichloropropene	0.044	U	0.00114	0.044
96-18-4	1,2,3-Trichloropropane	0.018	U	0.00216	0.018
120-82-1	1,2,4-Trichlorobenzene	0.044	U	0.00288	0.044
95-63-6	1,2,4-Trimethylbenzene	0.044	U	0.00174	0.044
96-12-8	1,2-Dibromo-3-chloropropane	0.044	U	0.00762	0.044
106-93-4	1,2-Dibromoethane	0.044	U	0.00132	0.044
95-50-1	1,2-Dichlorobenzene	0.044	U	0.00100	0.044
107-06-2	1,2-Dichloroethane	0.044	U	0.00100	0.044
78-87-5	1,2-Dichloropropane	0.044	U	0.000985	0.044
108-67-8	1,3,5-Trimethylbenzene	0.044	U	0.00143	0.044
541-73-1	1,3-Dichlorobenzene	0.044	U	0.00208	0.044
142-28-9	1,3-Dichloropropane	0.044	U	0.00120	0.044
106-46-7	1,4-Dichlorobenzene	0.044	U	0.00370	0.044
594-20-7	2,2-Dichloropropane	0.044	U	0.00155	0.044
78-93-3	2-Butanone	0.044	U	0.00275	0.044
95-49-8	2-Chlorotoluene	0.044	U	0.00132	0.044
591-78-6	2-Hexanone	0.044	U	0.00727	0.044
106-43-4	4-Chlorotoluene	0.044	U	0.00286	0.044
99-87-6	4-Isopropyltoluene	0.044	U	0.00142	0.044
108-10-1	4-Methyl-2-pentanone	0.044	U	0.00152	0.044
67-64-1	Acetone	0.038	JB	0.00329	0.220
107-02-8	Acrolein	0.220	U	0.021	0.220
107-13-1	Acrylonitrile	0.220	U	0.00626	0.220
71-43-2	Benzene	0.044	U	0.000915	0.044
108-86-1	Bromobenzene	0.044	U	0.00207	0.044

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043104

Lab File ID: 2060811P/B6601

Date Collected: 08/02/06 Time: 1405

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1546

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.044	U	0.00119	0.044
75-25-2	Bromoform	0.044	U	0.00149	0.044
74-83-9	Bromomethane	0.044	U	0.013	0.044
104-51-8	n-Butylbenzene	0.044	U	0.00157	0.044
75-15-0	Carbon disulfide	0.044	U	0.000959	0.044
56-23-5	Carbon tetrachloride	0.044	U	0.00106	0.044
108-90-7	Chlorobenzene	0.044	U	0.00145	0.044
75-00-3	Chloroethane	0.044	U	0.00533	0.044
67-66-3	Chloroform	0.044	U	0.00124	0.044
74-87-3	Chloromethane	0.044	U	0.00408	0.044
110-82-7	Cyclohexane	0.044	U	0.00973	0.044
124-48-1	Dibromochloromethane	0.044	U	0.000792	0.044
74-95-3	Dibromomethane	0.044	U	0.00137	0.044
75-71-8	Dichlorodifluoromethane	0.044	U	0.00320	0.044
10061-01-5	cis-1,3-Dichloropropene	0.044	U	0.00101	0.044
10061-02-6	trans-1,3-Dichloropropene	0.044	U	0.00124	0.044
100-41-4	Ethylbenzene	0.044	U	0.00182	0.044
87-68-3	Hexachlorobutadiene	0.044	U	0.011	0.044
98-82-8	Isopropylbenzene (Cumene)	0.044	U	0.00135	0.044
79-20-9	Methyl Acetate	0.044	U	0.013	0.044
74-88-4	Methyl iodide	0.044	U	0.00797	0.044
108-87-2	Methylcyclohexane	0.044	U	0.00326	0.044
75-09-2	Methylene chloride	0.034	JB	0.00421	0.088
91-20-3	Naphthalene	0.044	U	0.00331	0.044
100-42-5	Styrene	0.044	U	0.00134	0.044
127-18-4	Tetrachloroethene	0.044	U	0.00169	0.044
108-88-3	Toluene	0.044	U	0.00484	0.044
79-01-6	Trichloroethene	0.044	U	0.00156	0.044
75-69-4	Trichlorofluoromethane	0.044	U	0.00222	0.044
76-13-1	Trichlorotrifluoroethane	0.044	U	0.00165	0.044
108-05-4	Vinyl acetate	0.044	U	0.00861	0.044
75-01-4	Vinyl chloride	0.044	U	0.00309	0.044

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-501-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 43.2

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043104

Lab File ID: 2060811P/B6601

Date Collected: 08/02/06 Time: 1405

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1546

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.088	U	0.00503	0.088
156-59-2	cis-1,2-Dichloroethene	0.044	U	0.00111	0.044
136777-61-	m,p-Xylene	0.044	U	0.00350	0.044
103-65-1	n-Propylbenzene	0.044	U	0.00123	0.044
95-47-6	o-Xylene	0.044	U	0.00153	0.044
135-98-8	sec-Butylbenzene	0.044	U	0.00103	0.044
1634-04-4	tert-Butyl methyl ether (MTBE)	0.044	U	0.000651	0.044
98-06-6	tert-Butylbenzene	0.044	U	0.00222	0.044
156-60-5	trans-1,2-Dichloroethene	0.044	U	0.00144	0.044
110-57-6	trans-1,4-Dichloro-2-butene	0.044	U	0.00634	0.044

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6601.d
Lab Smp Id: 20608043104 Client Smp ID: SE-501-(0-0.5)
Inj Date : 11-AUG-2006 15:46
Operator : AJV Inst ID: msv6.i
Smp Info : 20608043104*SE-501-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 10
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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
4 Bromomethane	94	1.289	1.289	(0.289)	5796	1.35516	6.78	3309(a)
8 Acetone	43	1.624	1.626	(0.364)	15817	4.28204	21.4	6463(a)
13 Methylene Chloride	49	1.883	1.886	(0.422)	48518	3.89257	19.5	8507(a)
$ 28 Dibromofluoromethane	111	3.185	3.188	(0.714)	238718	54.0177	270	5871
$ 31 1,2-Dichloroethane-d4	67	3.620	3.615	(0.811)	181024	55.4645	277	9457
* 41 FLUOROBENZENE	96	4.462	4.462	(1.000)	928613	50.0000		9501
$ 68 Toluene-d8	98	6.548	6.551	(0.794)	1053784	59.4214	297	9602
* 85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	460838	50.0000		9493
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	274436	53.3702	267	9401
* 116 1,4-DICHLOROBENZENE-D4	152	10.860	10.860	(1.000)	313134	50.0000		9638

QC Flag Legend

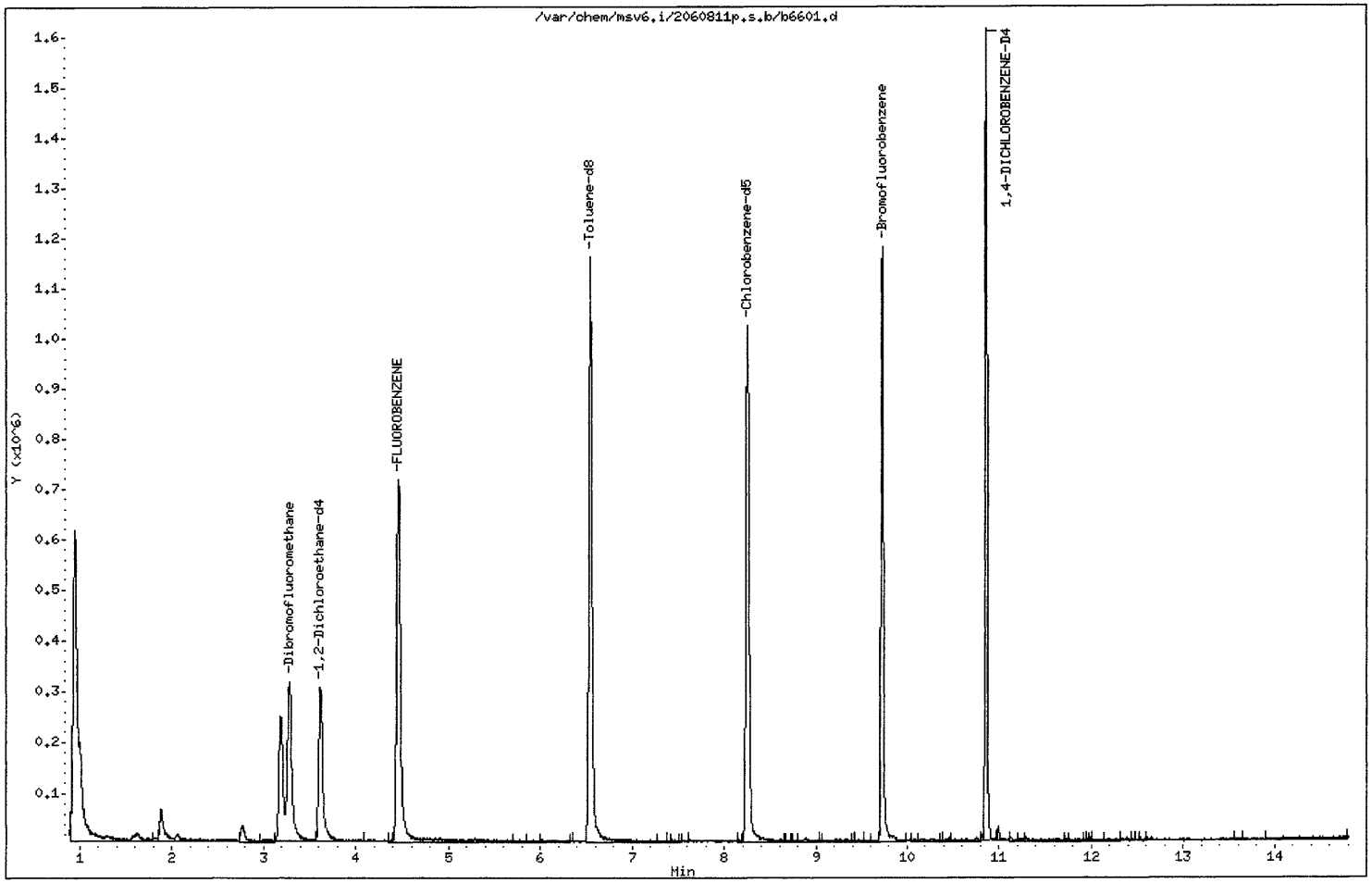
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: /var/chem/msv6.i/2060811p.s.b/b6601.d
Date : 11-AUG-2006 15:46
Client ID: SE-501-(0-0.5)
Sample Info: 20608043104*SE-501-(0-0.5)

Column phase: DB-624-30M

Instrument: msv6.i

Operator: AJV
Column diameter: 0.53



Data File: /var/chem/msv6.i/2060811p.s.b/b6601.d

Date : 11-AUG-2006 15:46

Client ID: SE-501-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043104*SE-501-(0-0.5)

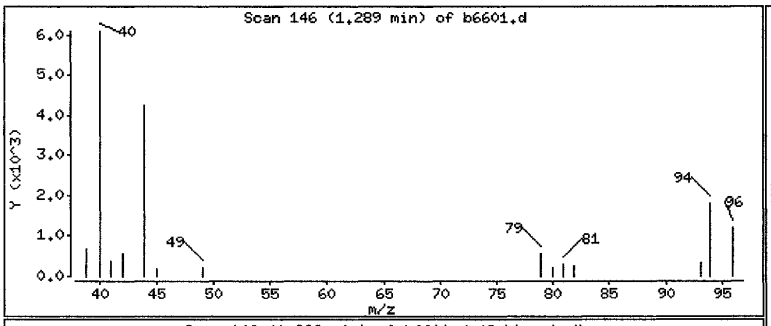
Operator: AJV

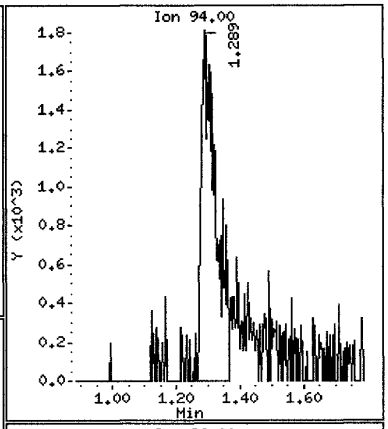
Column phase: DB-624-30M

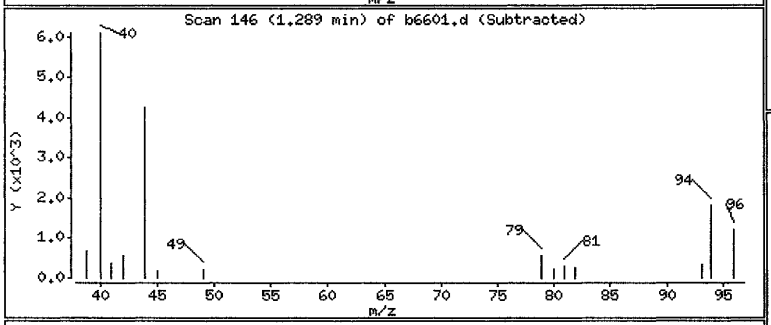
Column diameter: 0.53

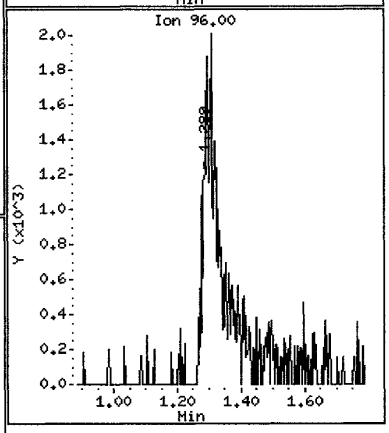
4 Bromomethane

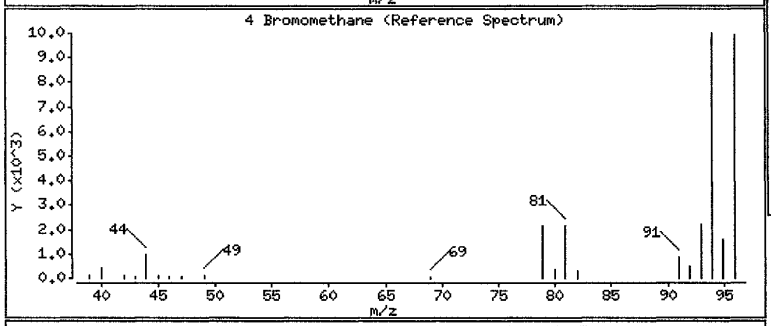
Concentration: 6.78 ug/Kg

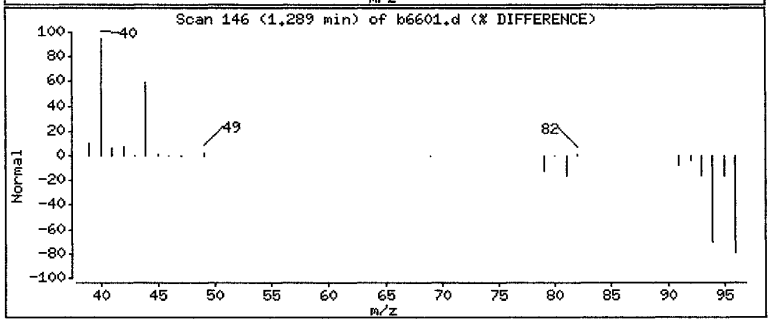












000062

166523

Data File: /var/chem/msv6.i/2060811p.s.b/b6601.d

Date : 11-AUG-2006 15:46

Client ID: SE-501-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043104*SE-501-(0-0.5)

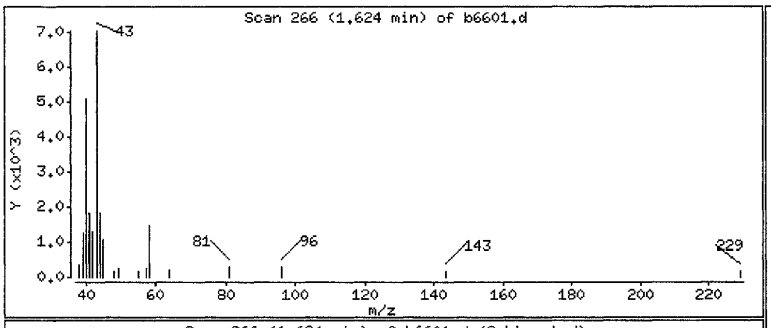
Operator: AJV

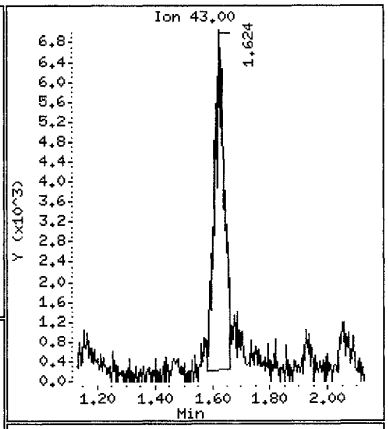
Column phase: DB-624-30M

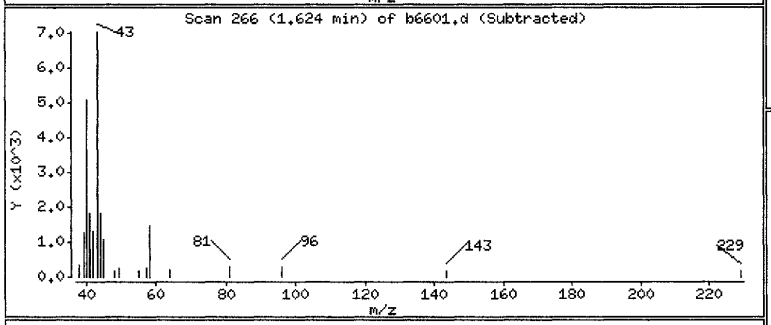
Column diameter: 0.53

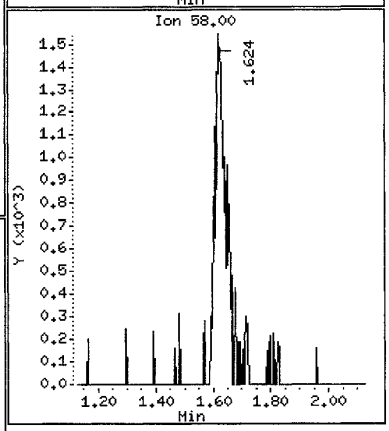
8 Acetone

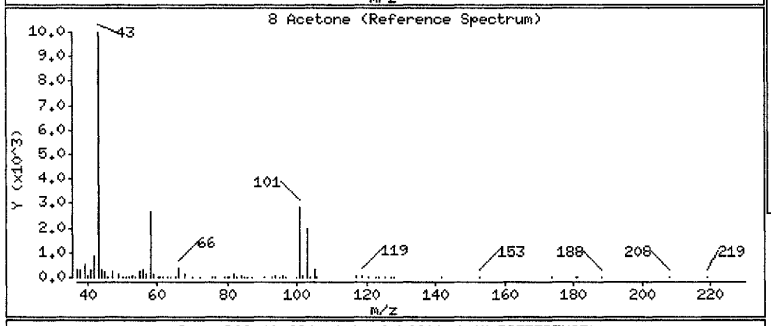
Concentration: 21.4 ug/Kg

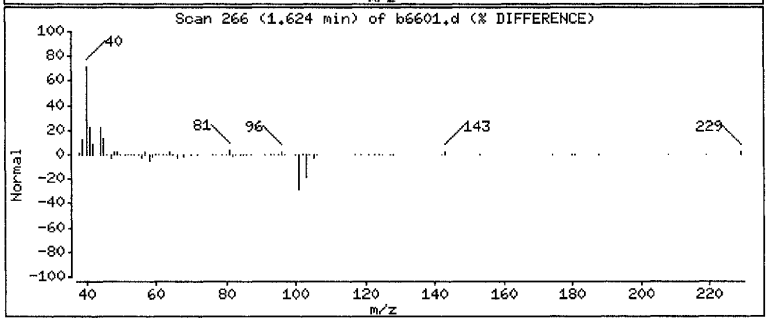












000063

166524

Data File: /var/chem/msv6.i/2060811p.s.b/b6601.d

Date : 11-AUG-2006 15:46

Client ID: SE-501-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043104*SE-501-(0-0.5)

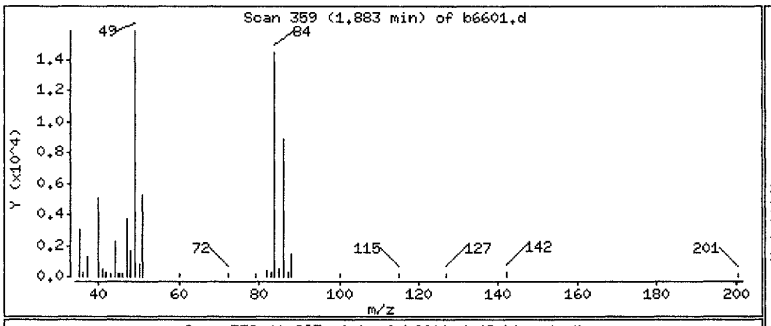
Operator: AJV

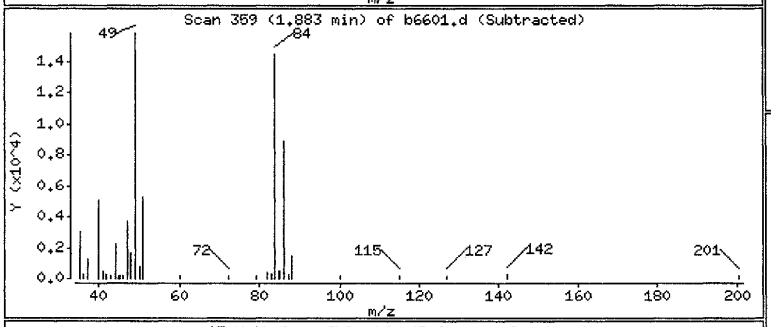
Column phase: DB-624-30M

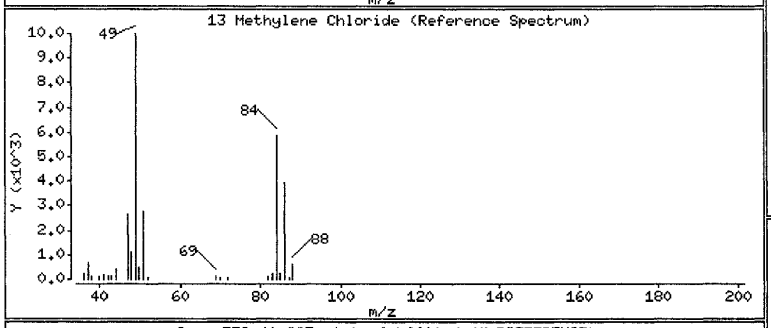
Column diameter: 0.53

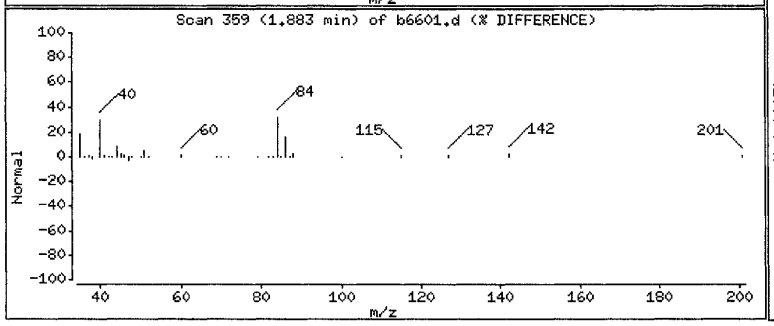
13 Methylene Chloride

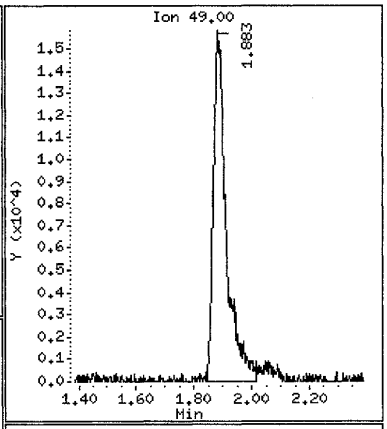
Concentration: 19.5 ug/Kg

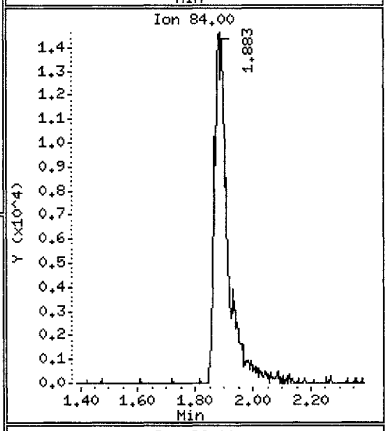


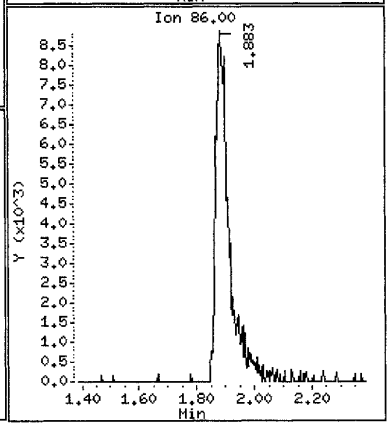












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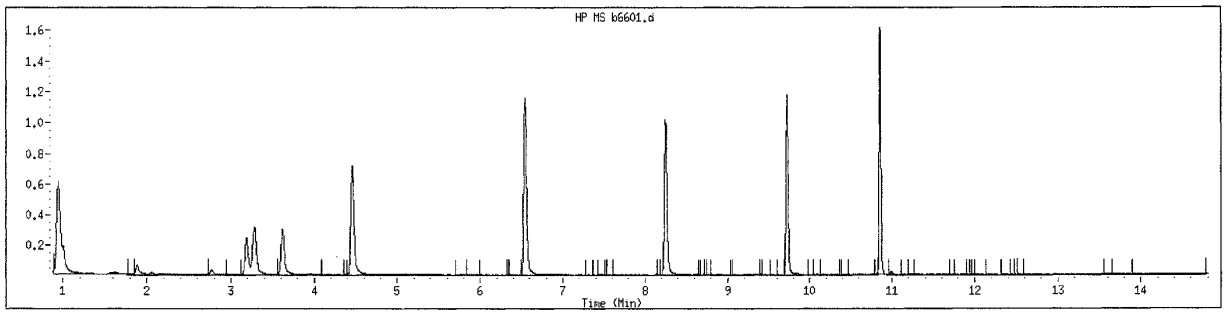
166525

Data file : /var/chem/msv6.i/2060811p.s.b/b6601.d Page: 1
Report Date: 08/12/2006 11:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043104 SampleType : SAMPLE
Injection Date: 11-AUG-2006 15:46 Instrument : msv6.i
Operator : AJV
Sample Info : 20608043104*SE-501-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000065

166526

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SE-501-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043104

Level: (low/med) LOW

Lab File ID: 2060811/G7242

% Moisture: not dec. 43.2

Date Collected: 08/02/06 Time: 1405

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

Date Received: 08/04/06

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 1136

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.425	U	0.179	0.425
71-36-3	n-Butyl alcohol	2.13	U	0.085	2.13

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7242.d
Lab Smp Id: 20608043104 Client Smp ID: SE501-(0-0.5)
Inj Date : 11-AUG-2006 11:36
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043104*SE501-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 3
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.17000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
17 Methylene Chloride	49	3.220	3.228	(0.592)	50859	3.37669	163	
18 Acetone	43	3.296	3.292	(0.606)	31507	11.5214	557	
20 Methyl Acetate	43	3.431	3.427	(0.631)	31566	8.25630	399	3891
37 Ethyl Acetate	43	4.783	4.780	(0.879)	96262	35.0755	1700	4301
$ 39 Dibromofluoromethane	111	4.818	4.818	(0.886)	382778	54.4898	2630	6195
$ 48 1,2-Dichloroethane-d4	67	5.222	5.229	(0.960)	266184	58.7182	2840	
* 52 FLUOROBENZENE	96	5.439	5.438	(1.000)	924649	50.0000		
$ 67 Toluene-d8	98	6.558	6.556	(0.860)	962760	55.3567	2680	
* 83 CHLOROBENZENE-d5	82	7.624	7.619	(1.000)	513996	50.0000		
$ 94 Bromofluorobenzene	174	8.449	8.443	(1.108)	275415	52.0748	2520	
* 111 1,4-DICHLOROBENZENE-D4	152	9.199	9.199	(1.000)	351997	50.0000		

166528

Data File: /var/chem/msv5.i/2060811.s.b/g7242.d

Date : 11-AUG-2006 11:36

Client ID: SE501-(0-0.5)

Sample Info: 20608043104*SE501-(0-0.5)

Purge Volume: 5.0

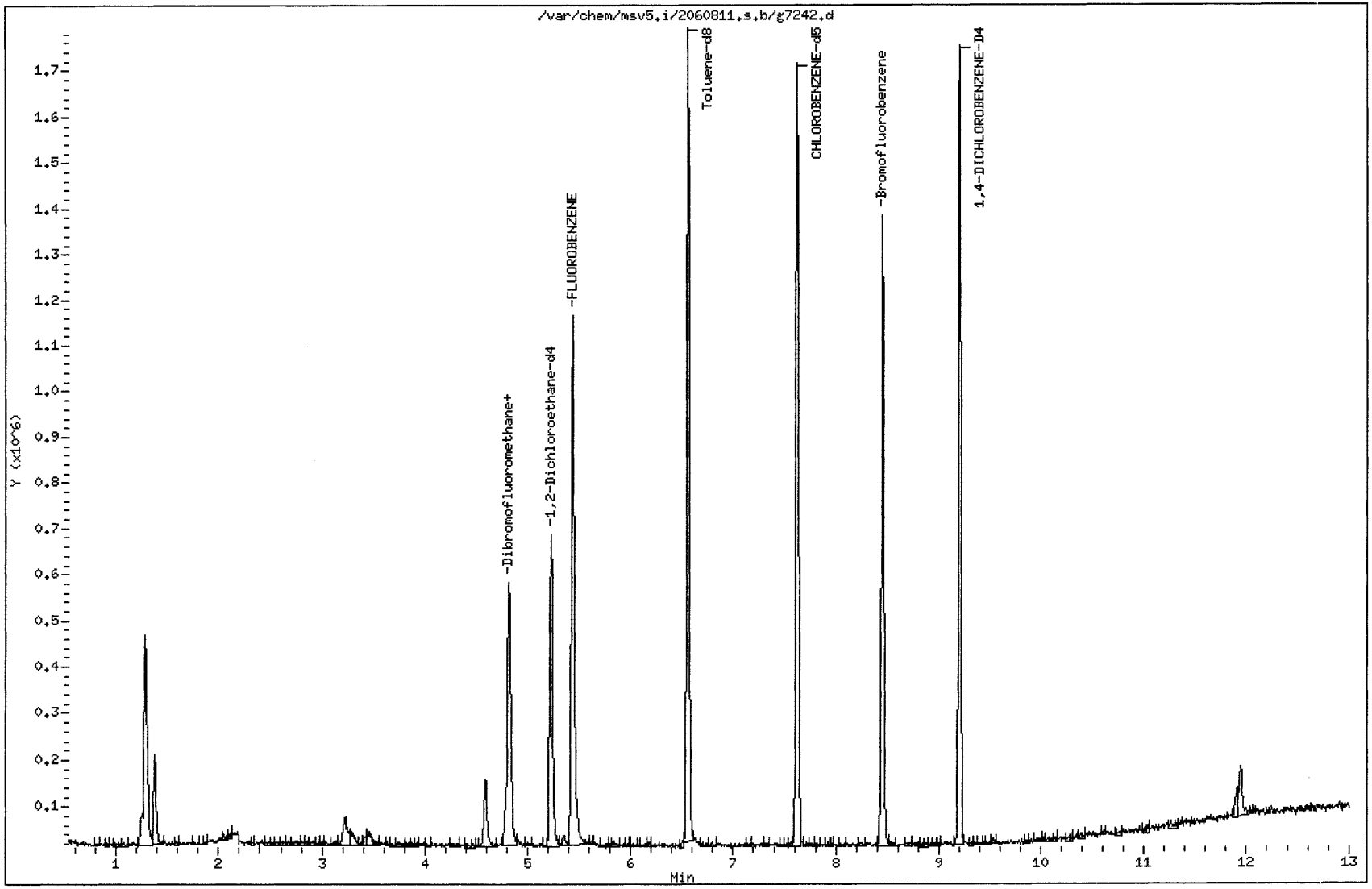
Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: VWM

Column diameter: 0.53

000068



166529

Data File: /var/chem/msv5.i/2060811.s.b/g7242.d

Date : 11-AUG-2006 11:36

Client ID: SE501-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043104*SE501-(0-0.5)

Purge Volume: 5.0

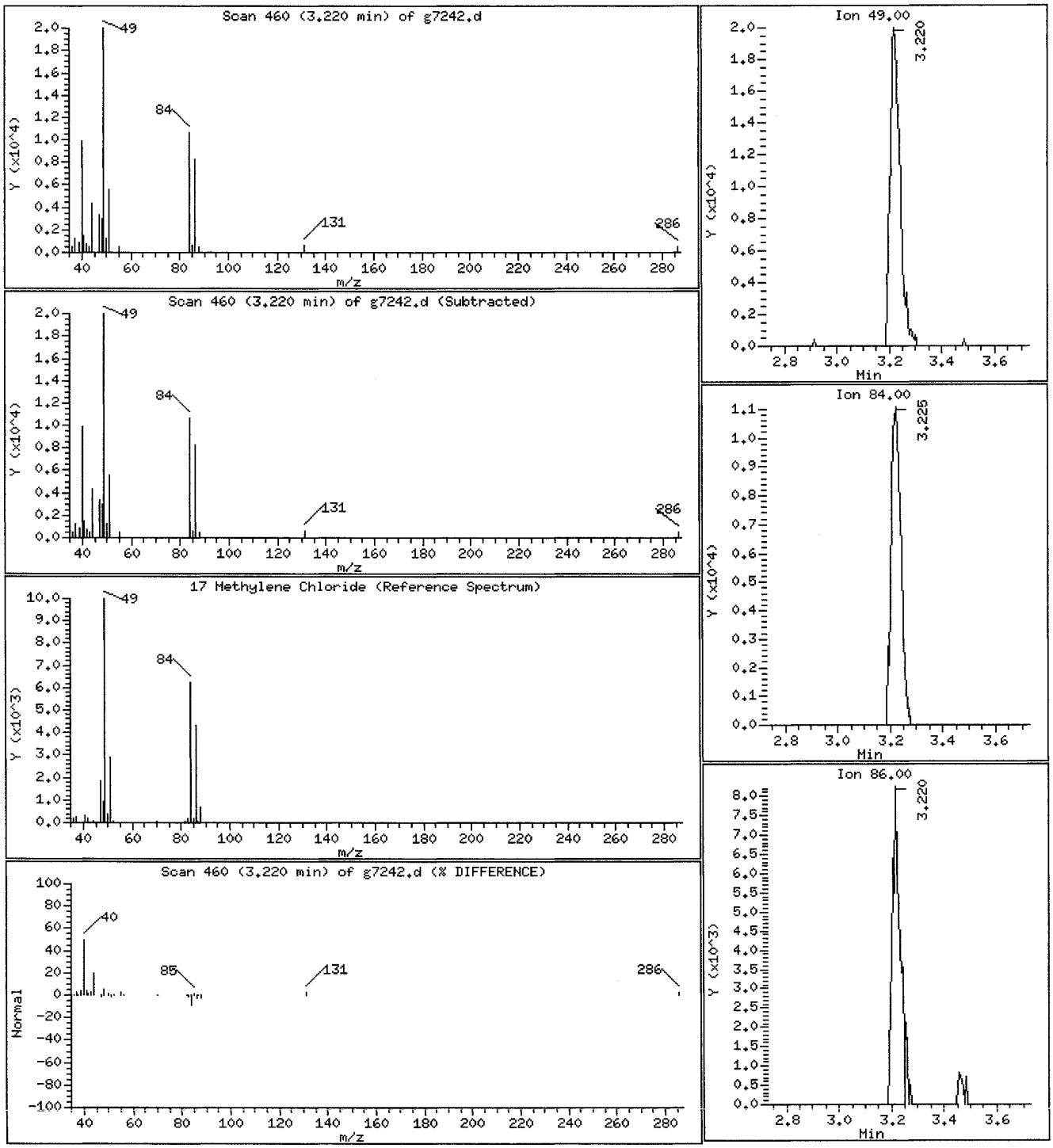
Operator: VWM

Column phase: DB-VRX-30M

Column diameter: 0.53

17 Methylene Chloride

Concentration: 163 UG/KG



166530

Data File: /var/chem/msv5.i/2060811.s.b/g7242.d

Date : 11-AUG-2006 11:36

Client ID: SE501-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043104*SE501-(0-0.5)

Purge Volume: 5.0

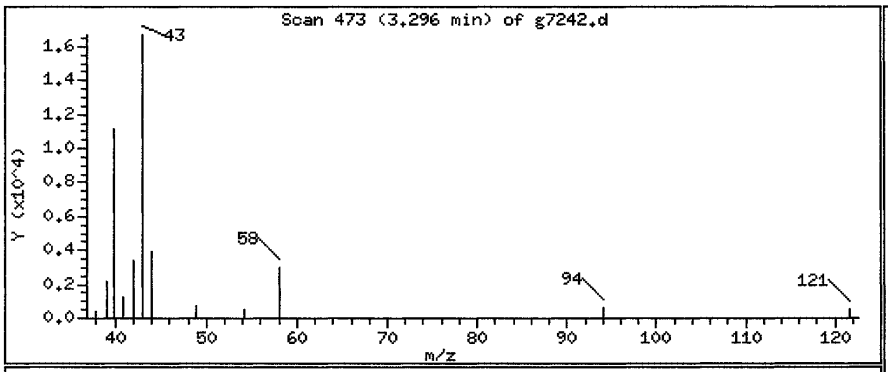
Operator: VWM

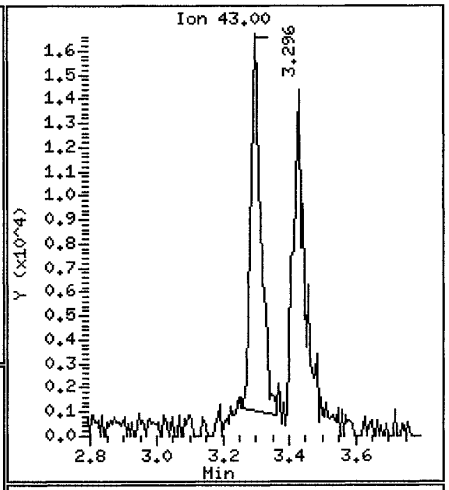
Column phase: DB-VRX-30M

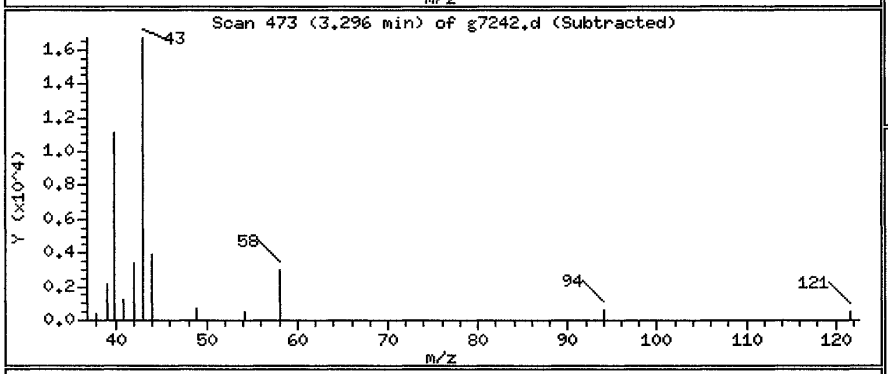
Column diameter: 0.53

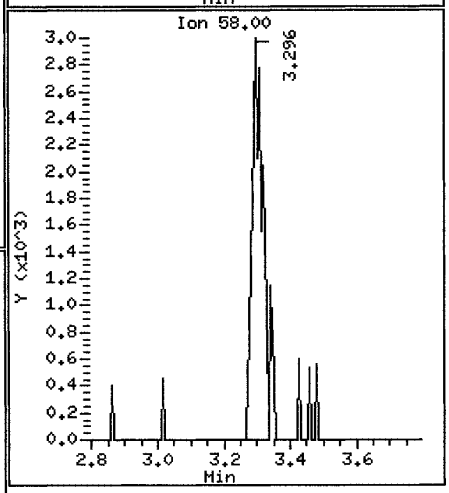
18 Acetone

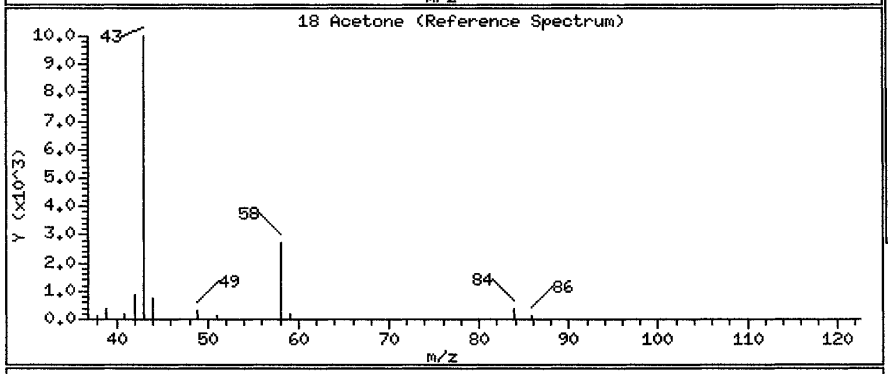
Concentration: 557 UG/KG

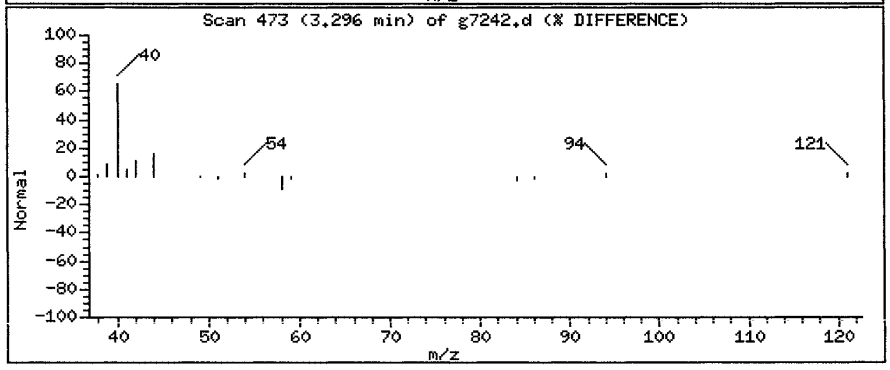












Data File: /var/chem/msv5.i/2060811.s.b/g7242.d

Date : 11-AUG-2006 11:36

Client ID: SE501-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043104*SE501-(0-0.5)

Purge Volume: 5.0

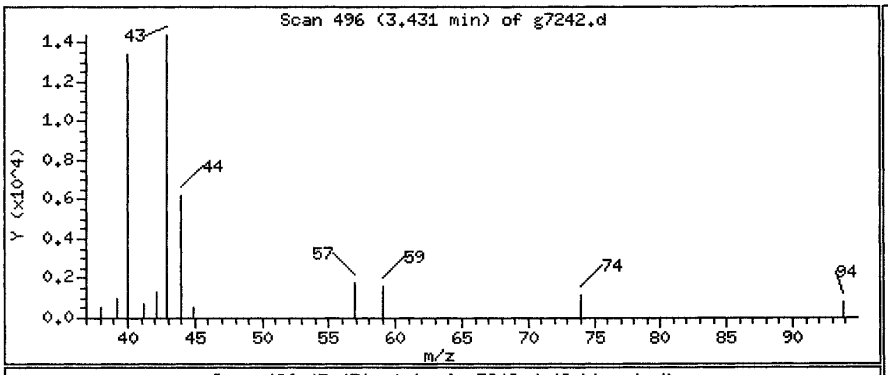
Operator: VWM

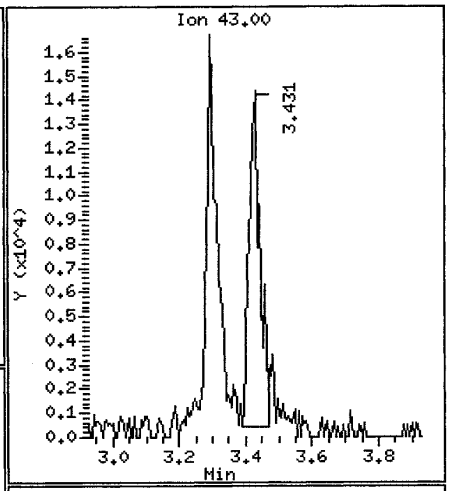
Column phase: DB-VRX-30M

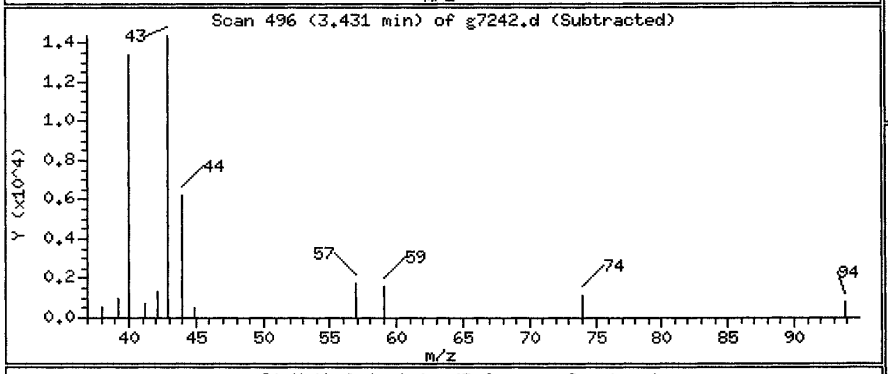
Column diameter: 0.53

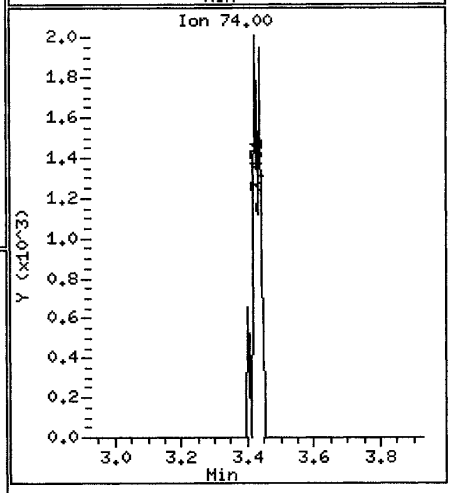
20 Methyl Acetate

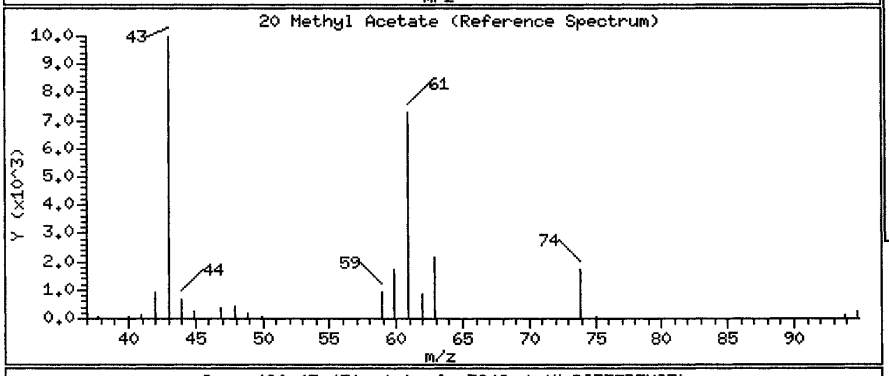
Concentration: 399 UG/KG

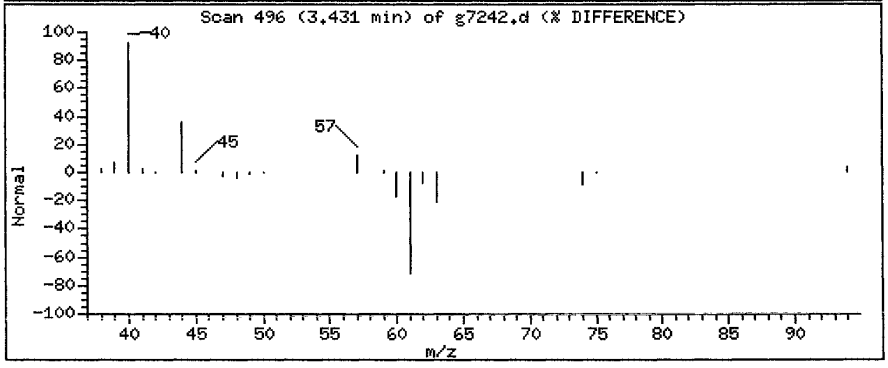












000071

166532

Data File: /var/chem/msv5.i/2060811.s.b/g7242.d

Date : 11-AUG-2006 11:36

Client ID: SE501-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043104*SE501-(0-0.5)

Purge Volume: 5.0

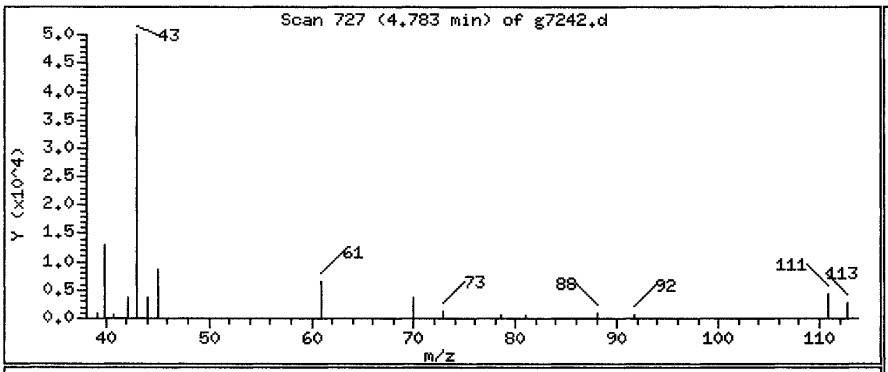
Operator: VWM

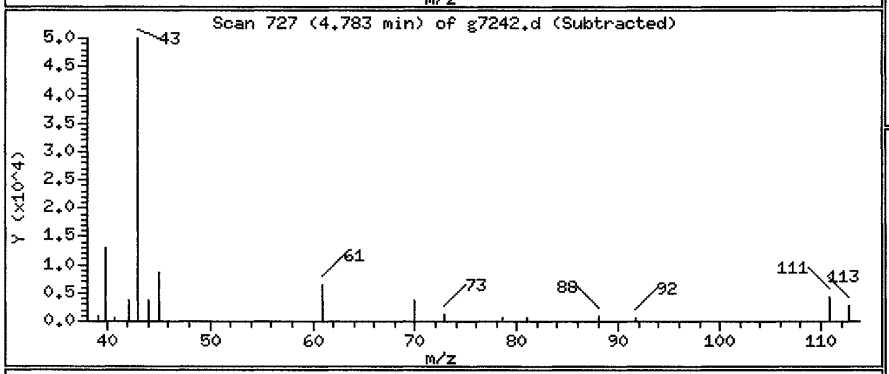
Column phase: DB-VRX-30M

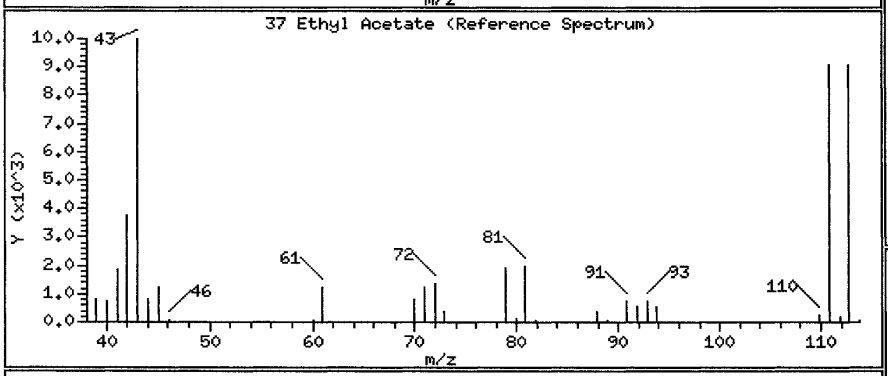
Column diameter: 0.53

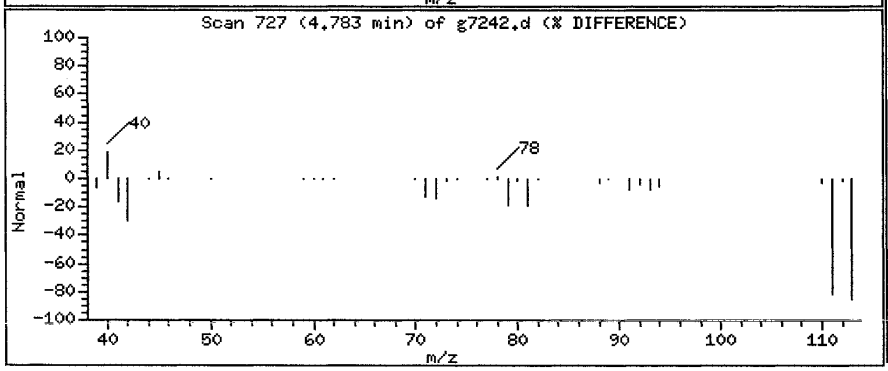
37 Ethyl Acetate

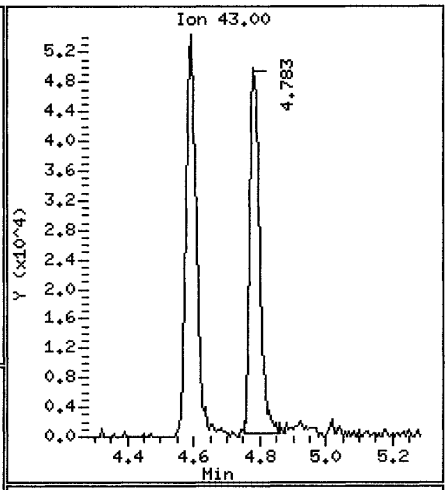
Concentration: 1700 UG/KG

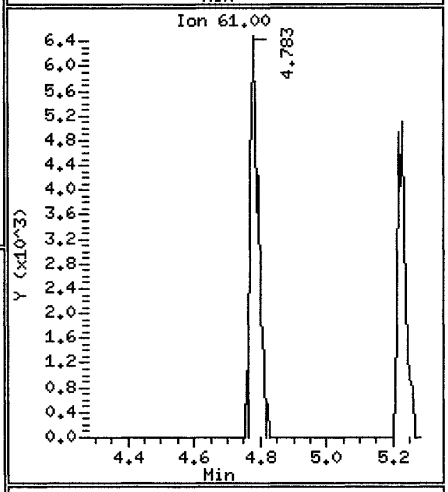


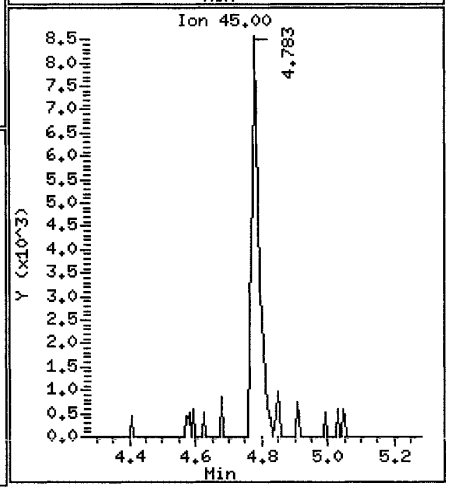








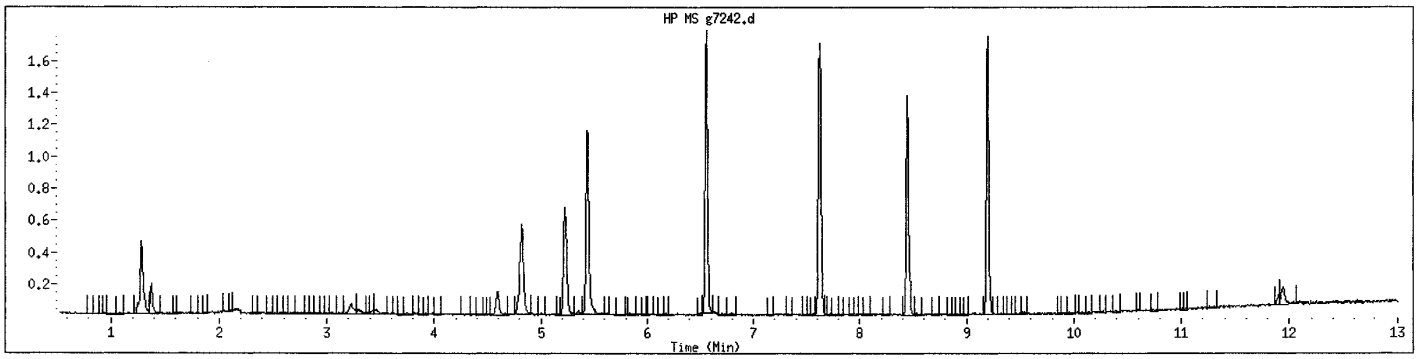




166533

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20608043104	SampleType	: SAMPLE
Injection Date	: 11-AUG-2006 11:36	Instrument	: msv5.i
Operator	: VWM		
Sample Info	: 20608043104*SE501-(0-0.5)		
Misc Info	: MSV~8849~*50*VWM		
Method	: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE04-004-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 42.5

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043105

Lab File ID: 2060811P/B6602

Date Collected: 08/02/06 Time: 1420

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1607

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

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	U	0.00153	0.043
71-55-6	1,1,1-Trichloroethane	0.043	U	0.00107	0.043
79-34-5	1,1,2,2-Tetrachloroethane	0.043	U	0.00156	0.043
79-00-5	1,1,2-Trichloroethane	0.043	U	0.000991	0.043
75-34-3	1,1-Dichloroethane	0.043	U	0.00138	0.043
75-35-4	1,1-Dichloroethene	0.043	U	0.00312	0.043
563-58-6	1,1-Dichloropropene	0.043	U	0.00113	0.043
96-18-4	1,2,3-Trichloropropane	0.017	U	0.00213	0.017
120-82-1	1,2,4-Trichlorobenzene	0.043	U	0.00284	0.043
95-63-6	1,2,4-Trimethylbenzene	0.043	U	0.00172	0.043
96-12-8	1,2-Dibromo-3-chloropropane	0.043	U	0.00753	0.043
106-93-4	1,2-Dibromoethane	0.043	U	0.00130	0.043
95-50-1	1,2-Dichlorobenzene	0.043	U	0.000991	0.043
107-06-2	1,2-Dichloroethane	0.043	U	0.000991	0.043
78-87-5	1,2-Dichloropropane	0.043	U	0.000973	0.043
108-67-8	1,3,5-Trimethylbenzene	0.043	U	0.00142	0.043
541-73-1	1,3-Dichlorobenzene	0.043	U	0.00205	0.043
142-28-9	1,3-Dichloropropane	0.043	U	0.00118	0.043
106-46-7	1,4-Dichlorobenzene	0.043	U	0.00366	0.043
594-20-7	2,2-Dichloropropane	0.043	U	0.00153	0.043
78-93-3	2-Butanone	0.043	U	0.00271	0.043
95-49-8	2-Chlorotoluene	0.043	U	0.00130	0.043
591-78-6	2-Hexanone	0.043	U	0.00718	0.043
106-43-4	4-Chlorotoluene	0.043	U	0.00282	0.043
99-87-6	4-Isopropyltoluene	0.043	U	0.00140	0.043
108-10-1	4-Methyl-2-pentanone	0.043	U	0.00150	0.043
67-64-1	Acetone	0.053	JB	0.00325	0.217
107-02-8	Acrolein	0.217	U	0.020	0.217
107-13-1	Acrylonitrile	0.217	U	0.00619	0.217
71-43-2	Benzene	0.043	U	0.000904	0.043
108-86-1	Bromobenzene	0.043	U	0.00204	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE04-004-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 42.5

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043105

Lab File ID: 2060811P/B6602

Date Collected: 08/02/06 Time: 1420

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1607

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.043	U	0.00117	0.043
75-25-2	Bromoform	0.043	U	0.00147	0.043
74-83-9	Bromomethane	0.014	J	0.013	0.043
104-51-8	n-Butylbenzene	0.043	U	0.00155	0.043
75-15-0	Carbon disulfide	0.043	U	0.000947	0.043
56-23-5	Carbon tetrachloride	0.043	U	0.00104	0.043
108-90-7	Chlorobenzene	0.043	U	0.00143	0.043
75-00-3	Chloroethane	0.043	U	0.00527	0.043
67-66-3	Chloroform	0.043	U	0.00123	0.043
74-87-3	Chloromethane	0.043	U	0.00403	0.043
110-82-7	Cyclohexane	0.043	U	0.00961	0.043
124-48-1	Dibromochloromethane	0.043	U	0.000782	0.043
74-95-3	Dibromomethane	0.043	U	0.00136	0.043
75-71-8	Dichlorodifluoromethane	0.043	U	0.00316	0.043
10061-01-5	cis-1,3-Dichloropropene	0.043	U	0.00100	0.043
10061-02-6	trans-1,3-Dichloropropene	0.043	U	0.00123	0.043
100-41-4	Ethylbenzene	0.043	U	0.00180	0.043
87-68-3	Hexachlorobutadiene	0.043	U	0.011	0.043
98-82-8	Isopropylbenzene (Cumene)	0.043	U	0.00133	0.043
79-20-9	Methyl Acetate	0.043	U	0.013	0.043
74-88-4	Methyl iodide	0.043	U	0.00787	0.043
108-87-2	Methylcyclohexane	0.043	U	0.00322	0.043
75-09-2	Methylene chloride	0.019	JB	0.00416	0.087
91-20-3	Naphthalene	0.043	U	0.00327	0.043
100-42-5	Styrene	0.043	U	0.00132	0.043
127-18-4	Tetrachloroethene	0.043	U	0.00167	0.043
108-88-3	Toluene	0.043	U	0.00478	0.043
79-01-6	Trichloroethene	0.043	U	0.00154	0.043
75-69-4	Trichlorofluoromethane	0.043	U	0.00219	0.043
76-13-1	Trichlorotrifluoroethane	0.043	U	0.00163	0.043
108-05-4	Vinyl acetate	0.043	U	0.00851	0.043
75-01-4	Vinyl chloride	0.043	U	0.00305	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE04-004-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 42.5

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043105

Lab File ID: 2060811P/B6602

Date Collected: 08/02/06 Time: 1420

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1607

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.087	U	0.00497	0.087
156-59-2	cis-1,2-Dichloroethene	0.043	U	0.00110	0.043
136777-61-	m,p-Xylene	0.043	U	0.00346	0.043
103-65-1	n-Propylbenzene	0.043	U	0.00122	0.043
95-47-6	o-Xylene	0.043	U	0.00151	0.043
135-98-8	sec-Butylbenzene	0.043	U	0.00102	0.043
1634-04-4	tert-Butyl methyl ether (MTBE)	0.043	U	0.000643	0.043
98-06-6	tert-Butylbenzene	0.043	U	0.00219	0.043
156-60-5	trans-1,2-Dichloroethene	0.043	U	0.00143	0.043
110-57-6	trans-1,4-Dichloro-2-butene	0.043	U	0.00627	0.043

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6602.d
Lab Smp Id: 20608043105 Client Smp ID: FWPSE04-004-(0-0.5)
Inj Date : 11-AUG-2006 16:07
Operator : AJV Inst ID: msv6.i
Smp Info : 20608043105*FWPSE04-004-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 11
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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
	4 Bromomethane	94	1.292	1.289	(0.290)	6875	1.59722	7.99	4722(a)
	8 Acetone	43	1.623	1.626	(0.364)	19083	6.09189	30.5	6224
	13 Methylene Chloride	49	1.888	1.886	(0.423)	41693	2.17207	10.9	8529(a)
$	28 Dibromofluoromethane	111	3.191	3.188	(0.715)	237938	53.4988	267	5877
$	31 1,2-Dichloroethane-d4	67	3.623	3.615	(0.812)	177966	54.1808	271	9421
*	41 FLUOROBENZENE	96	4.459	4.462	(1.000)	934556	50.0000		9450
$	68 Toluene-d8	98	6.548	6.551	(0.794)	1054217	59.5682	298	9543
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	459891	50.0000		9480
$	102 Bromofluorobenzene	174	9.730	9.730	(1.179)	276738	53.9287	270	9457
*	116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	310952	50.0000		9621

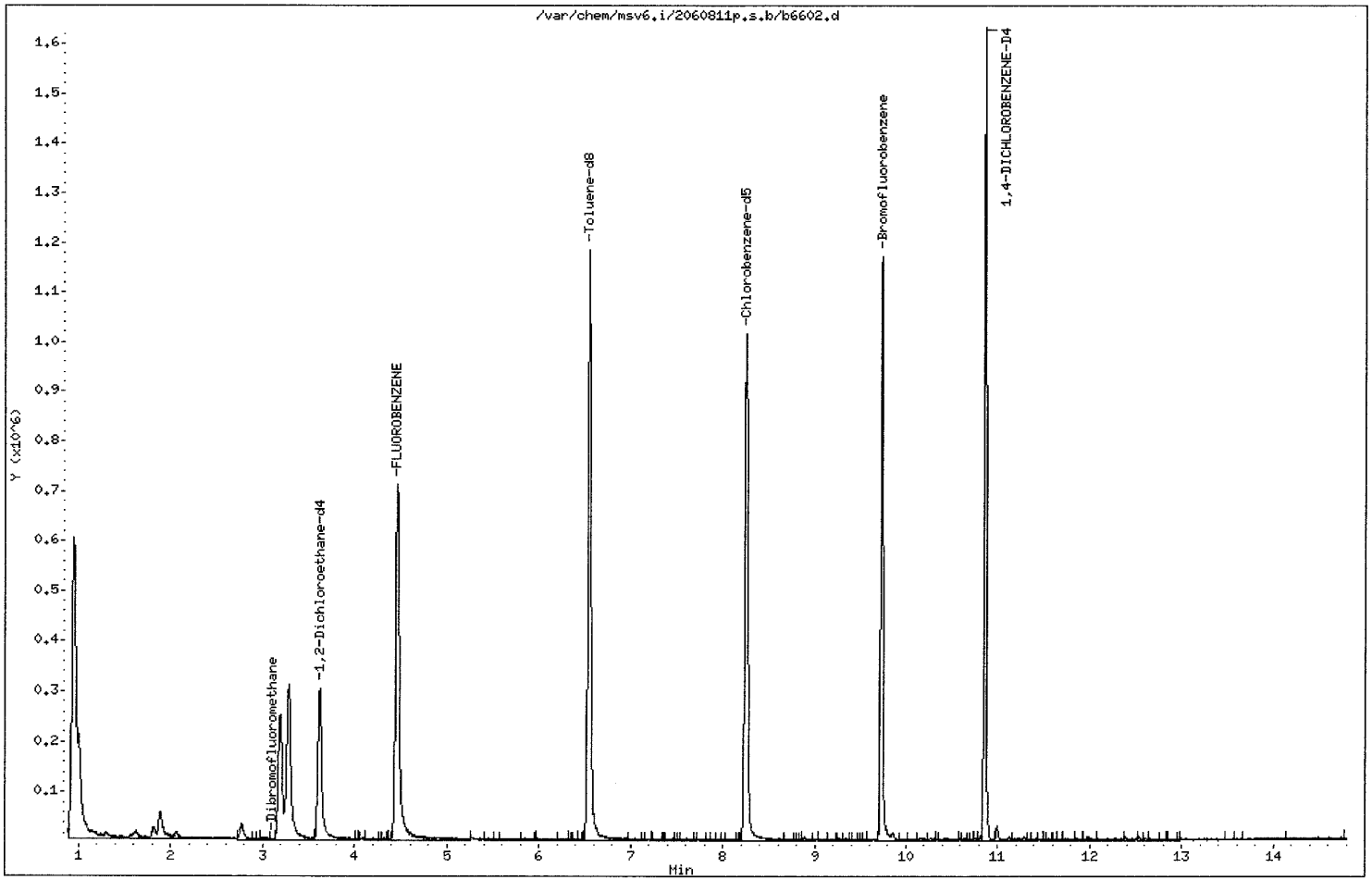
166538

QC Flag Legend

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

Data File: /var/chem/msv6.i/2060811p.s.b/b6602.d
Date : 11-AUG-2006 16:07
Client ID: FWPSE04-004-(0-0.5)
Sample Info: 20608043105MFWPSE04-004-(0-0.5)

Instrument: msv6.i
Operator: AJV
Column phase: DB-624-30M
Column diameter: 0.53



000679

Data File: /var/chem/msv6.i/20060811p.s.b/b6602.d

Date : 11-AUG-2006 16:07

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043105*FWPSE04-004-(0-0.5)

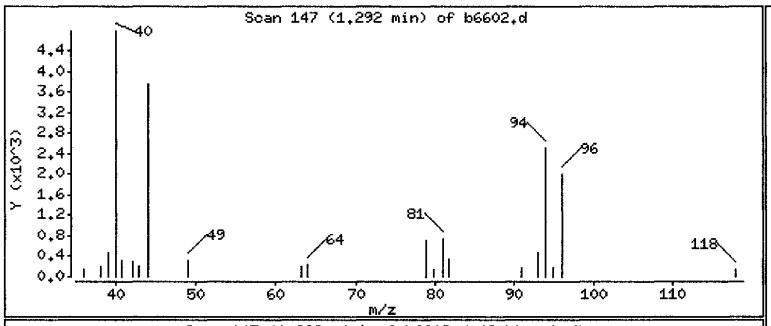
Operator: AJV

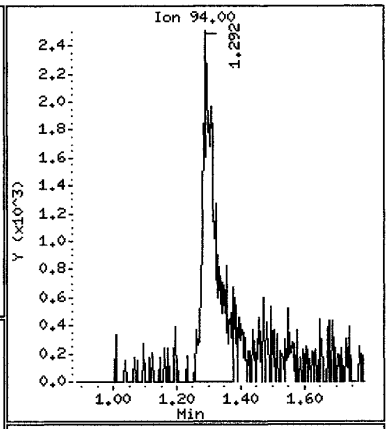
Column phase: DB-624-30M

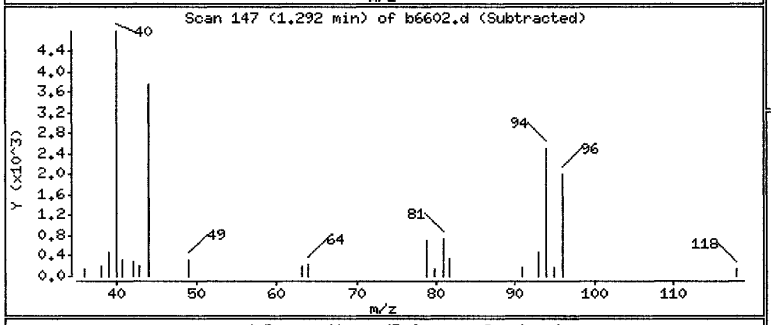
Column diameter: 0.53

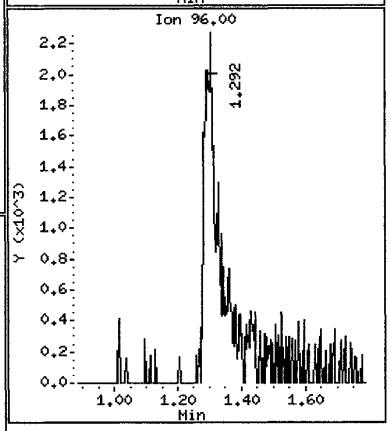
4 Bromomethane

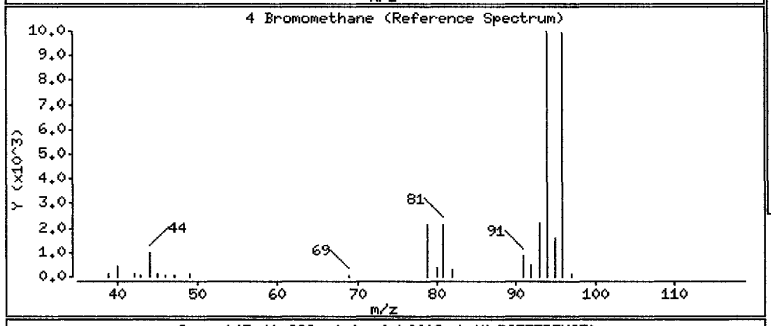
Concentration: 7.99 ug/Kg

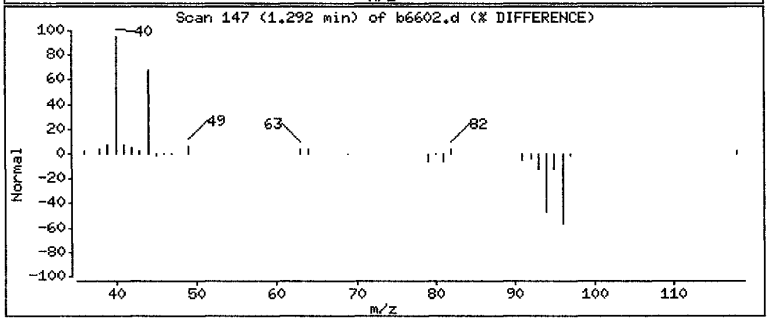












Data File: /var/chem/msv6.i/2060811p.s.b/b6602.d

Date : 11-AUG-2006 16:07

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043105*FWPSE04-004-(0-0.5)

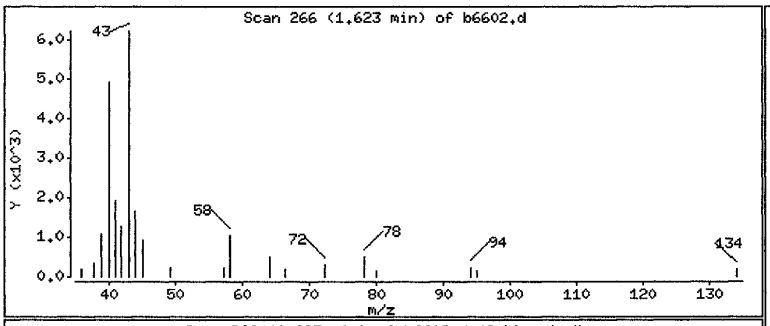
Operator: AJV

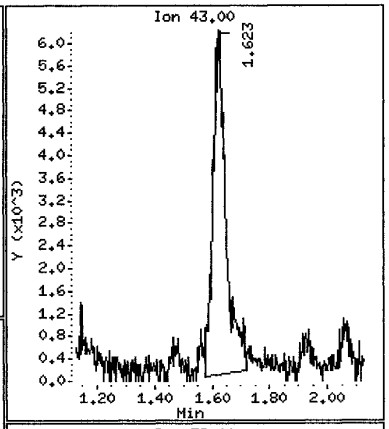
Column phase: DB-624-30M

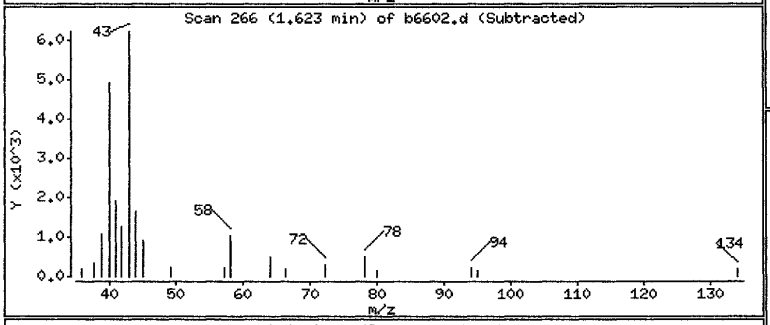
Column diameter: 0.53

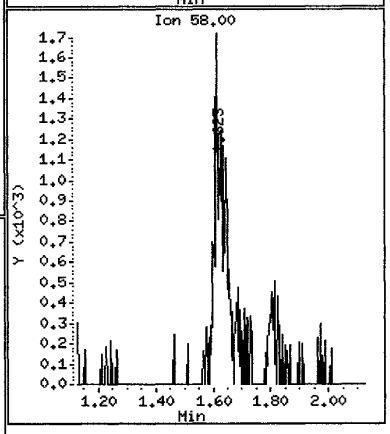
8 Acetone

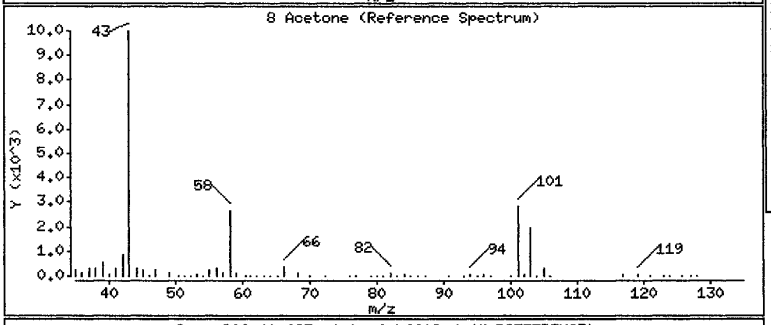
Concentration: 30.5 ug/Kg

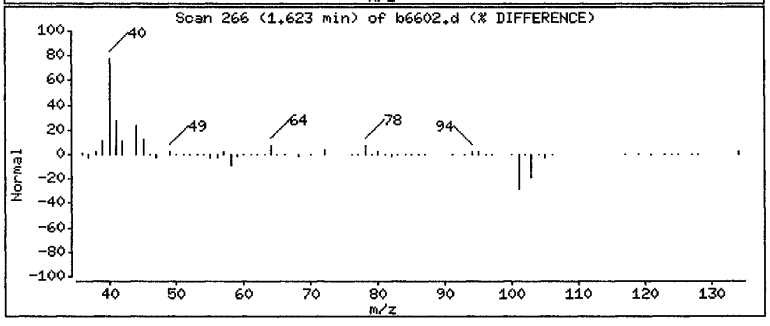












Data File: /var/chem/msv6.i/2060811p.s.b/b6602.d

Date : 11-AUG-2006 16:07

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043105xFWPSE04-004-(0-0.5)

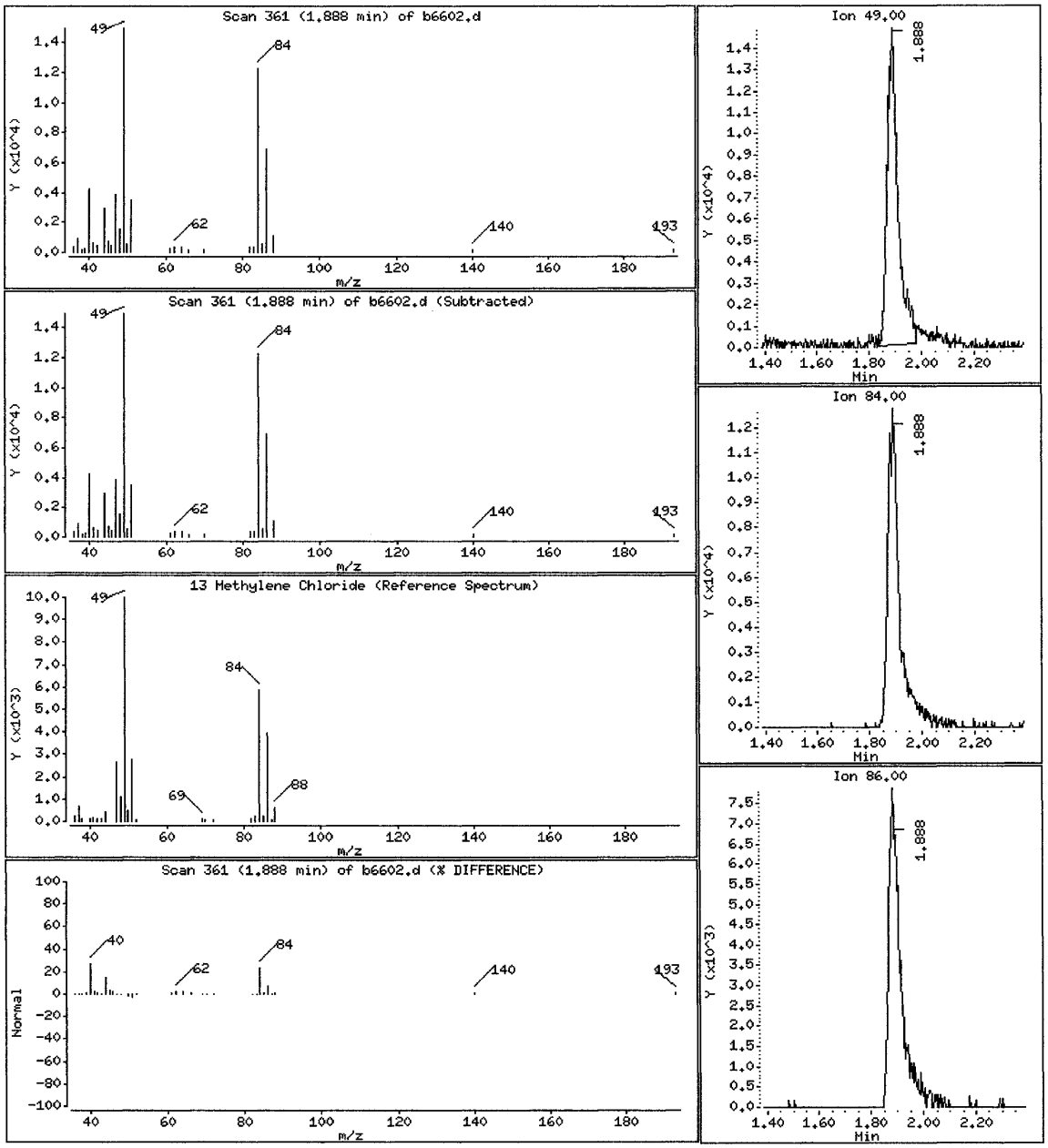
Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53

13 Methylene Chloride

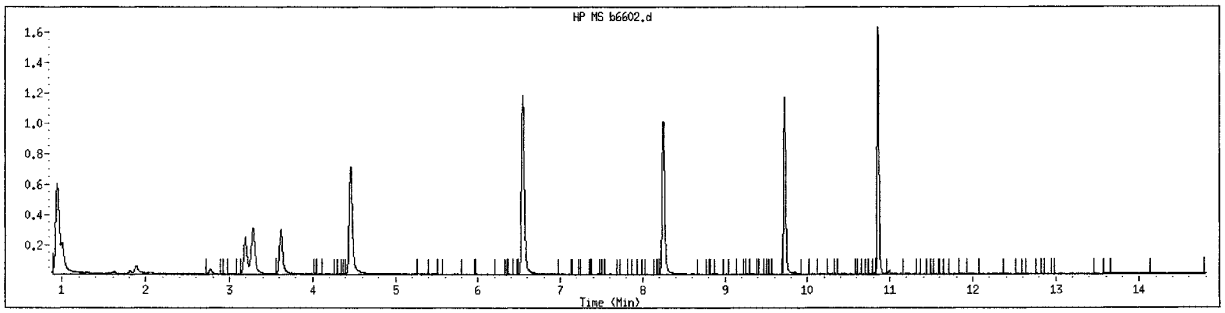
Concentration: 10.9 ug/Kg



Data file : /var/chem/msv6.i/2060811p.s.b/b6602.d Page: 1
Report Date: 08/12/2006 11:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043105 SampleType : SAMPLE
Injection Date: 11-AUG-2006 16:07 Instrument : msv6.i
Operator : AJV
Sample Info : 20608043105*FWPSE04-004-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

166544

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE04-004-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

Sample wt/vol: 5.15 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 42.5

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043105

Lab File ID: 2060811/G7243

Date Collected: 08/02/06 Time: 1420

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1201

Dilution Factor: 50 Analyst: VWM

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.422	U	0.177	0.422
71-36-3	n-Butyl alcohol	2.11	U	0.084	2.11

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7243.d
Lab Smp Id: 20608043105 Client Smp ID: FWPSE04-004-(0-0.5)
Inj Date : 11-AUG-2006 12:01
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043105*FWPSE04-004-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 4
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.15000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

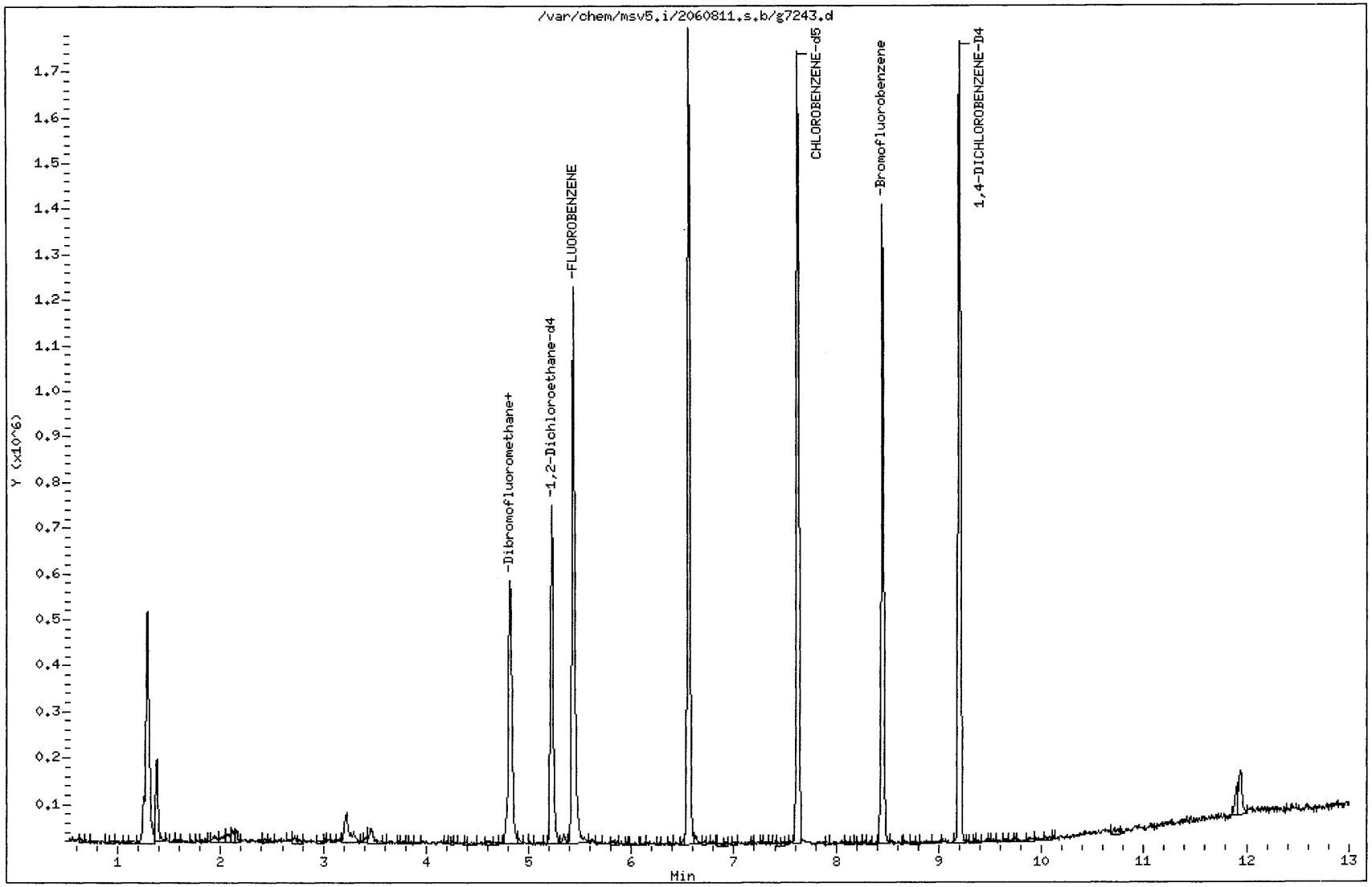
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
17 Methylene Chloride	49	3.220	3.228	(0.592)	59595	4.42554	215	
18 Acetone	43	3.302	3.292	(0.607)	20891	6.47999	315	
20 Methyl Acetate	43	3.431	3.427	(0.631)	35290	9.04356	439	3867
37 Ethyl Acetate	43	4.782	4.780	(0.879)	67962	24.2626	1180	4269
$ 39 Dibromofluoromethane	111	4.818	4.818	(0.886)	389226	54.2865	2640	6184
$ 48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	262646	56.7654	2760	
* 52 FLUOROBENZENE	96	5.439	5.438	(1.000)	943746	50.0000		
$ 67 Toluene-d8	98	6.557	6.556	(0.860)	963040	54.4842	2640	
* 83 CHLOROBENZENE-d5	82	7.623	7.619	(1.000)	522379	50.0000		
$ 94 Bromofluorobenzene	174	8.449	8.443	(1.108)	291004	54.1393	2630	
* 111 1,4-DICHLOROBENZENE-D4	152	9.199	9.199	(1.000)	353645	50.0000		

000086

Data File: /var/chem/msv5.i/2060811.s.b/g7243.d
Date : 11-AUG-2006 12:01
Client ID: FWPSE04-004-(0-0.5)
Sample Info: 20608043105*FWPSE04-004-(0-0.5)
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: VWM
Column diameter: 0.53



166547

Data File: /var/chem/msv5.i/2060811.s.b/g7243.d

Date : 11-AUG-2006 12:01

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043105*FWPSE04-004-(0-0.5)

Purge Volume: 5.0

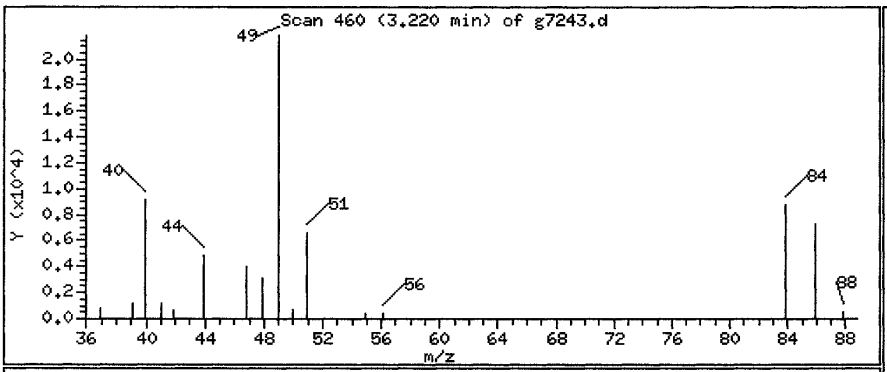
Operator: VWM

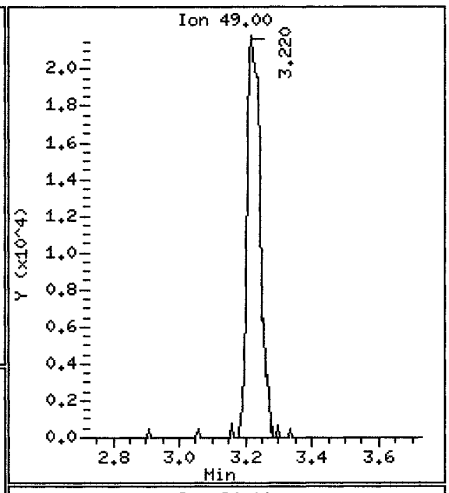
Column phase: DB-VRX-30M

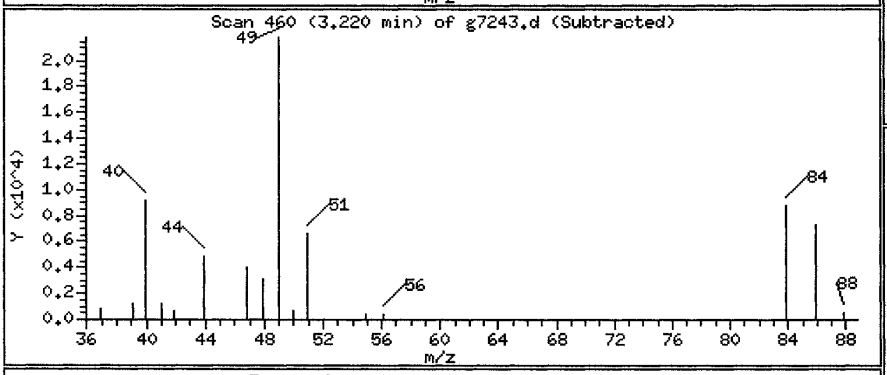
Column diameter: 0.53

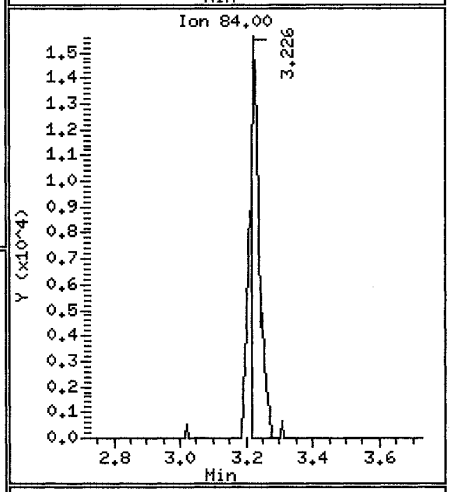
17 Methylene Chloride

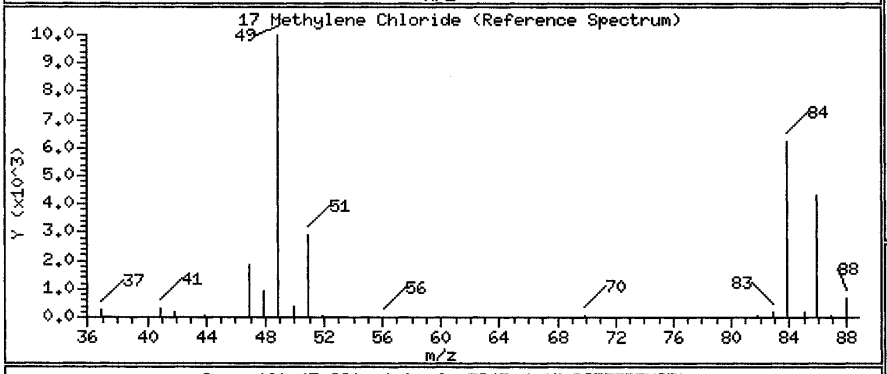
Concentration: 215 UG/KG

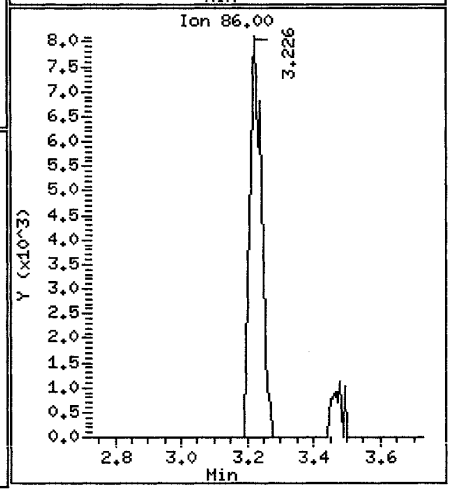


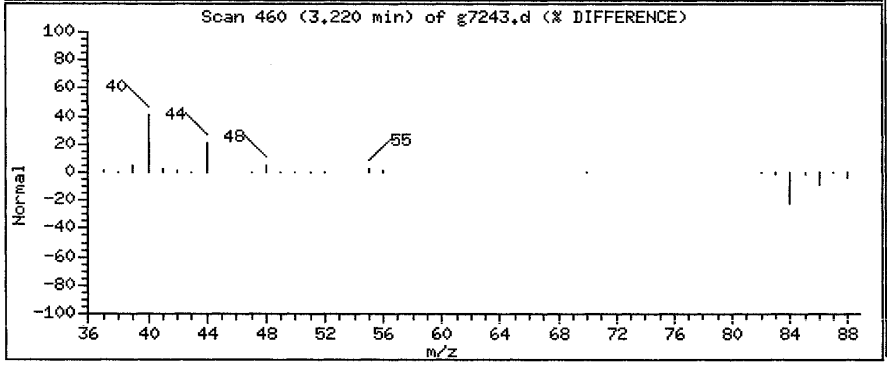












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166548

Data File: /var/chem/msv5.i/2060811.s.b/g7243.d

Date : 11-AUG-2006 12:01

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043105*FWPSE04-004-(0-0.5)

Purge Volume: 5.0

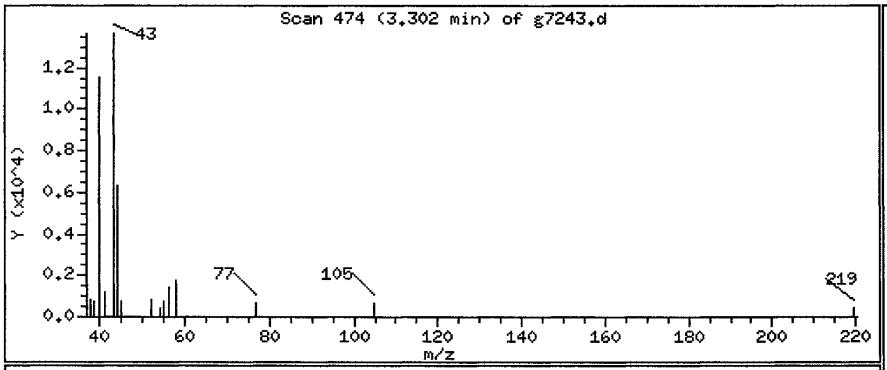
Operator: VWM

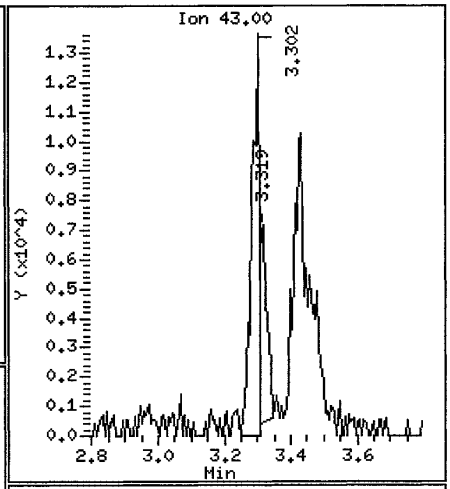
Column phase: DB-VRX-30M

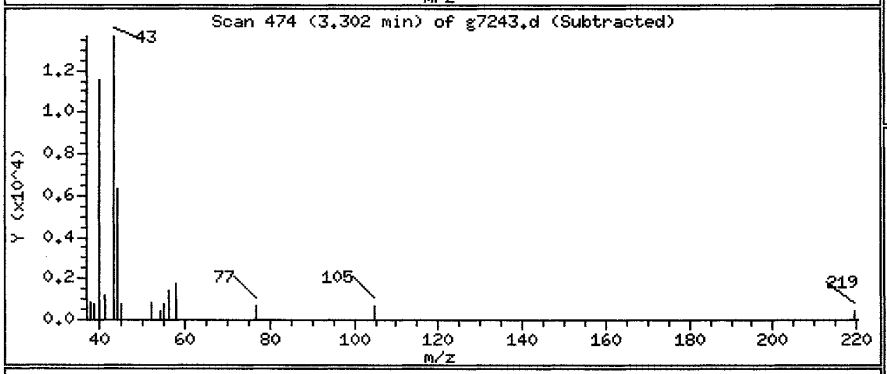
Column diameter: 0.53

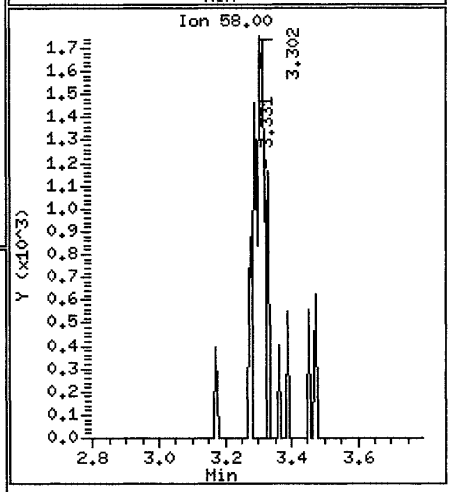
18 Acetone

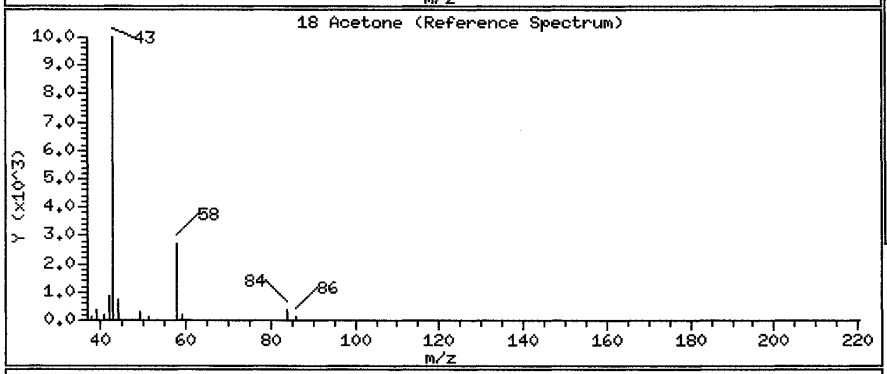
Concentration: 315 UG/KG

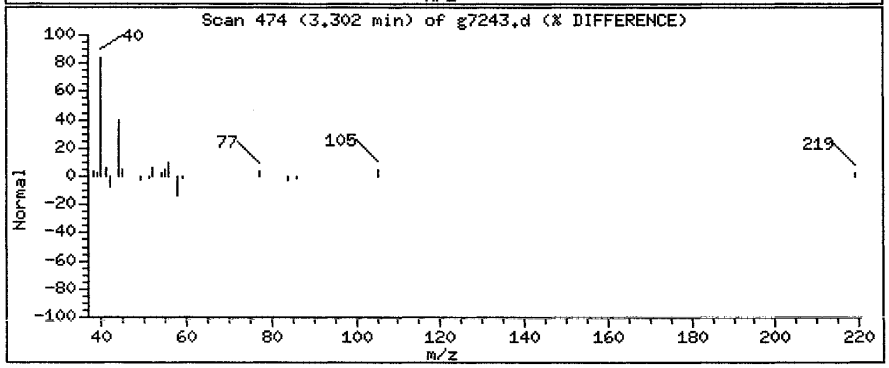












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166549

Data File: /var/chem/msv5.i/2060811.s.b/g7243.d

Date : 11-AUG-2006 12:01

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043105*FWPSE04-004-(0-0.5)

Purge Volume: 5.0

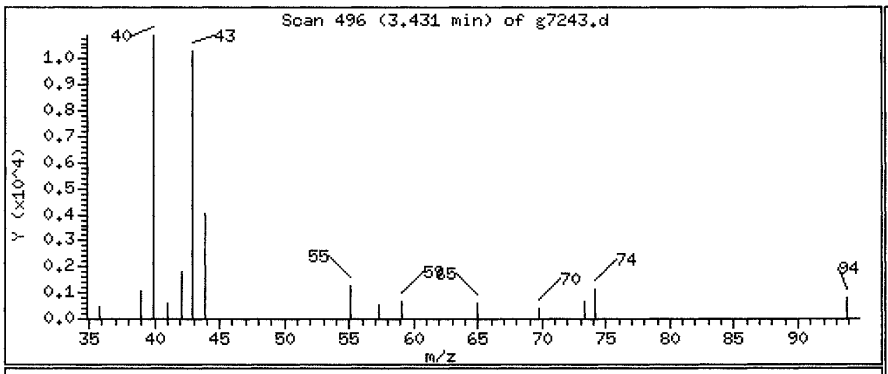
Operator: VWM

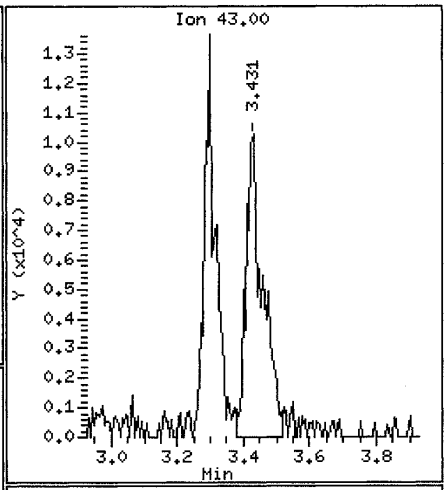
Column phase: DB-VRX-30M

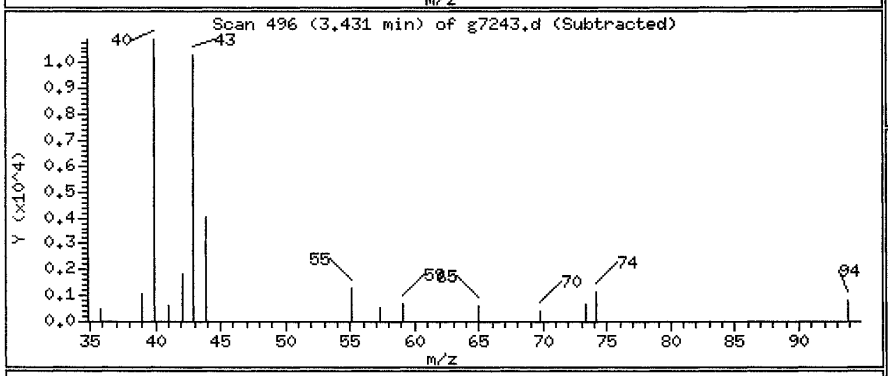
Column diameter: 0.53

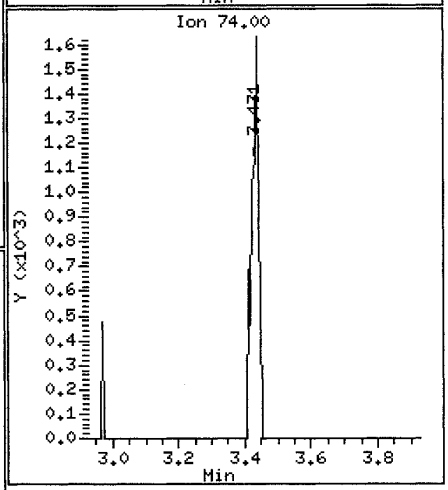
20 Methyl Acetate

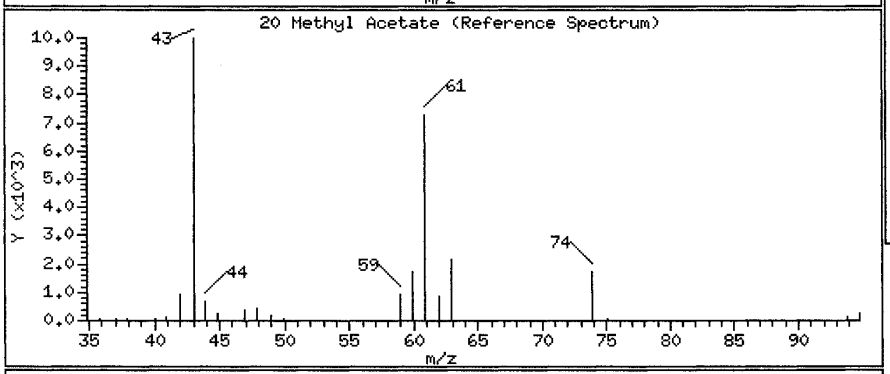
Concentration: 439 UG/KG

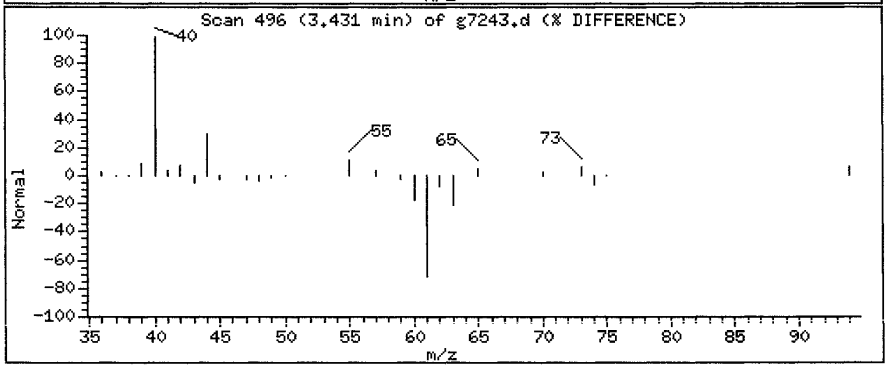












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166550

Data File: /var/chem/msv5.i/2060811.s.b/g7243.d

Date : 11-AUG-2006 12:01

Client ID: FWPSE04-004-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043105*FWPSE04-004-(0-0.5)

Purge Volume: 5.0

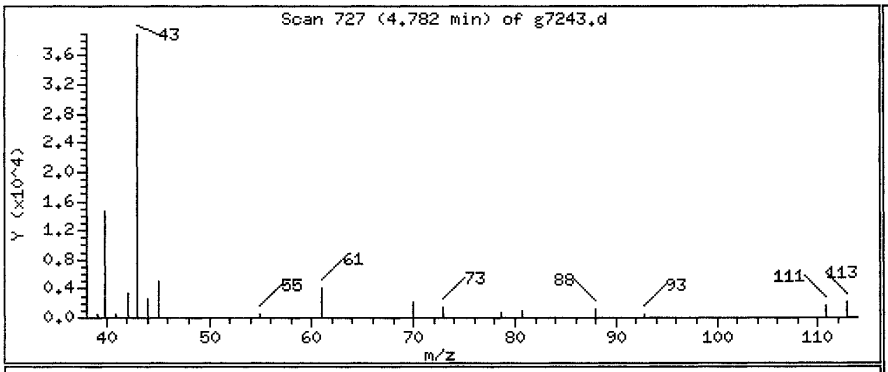
Operator: VWM

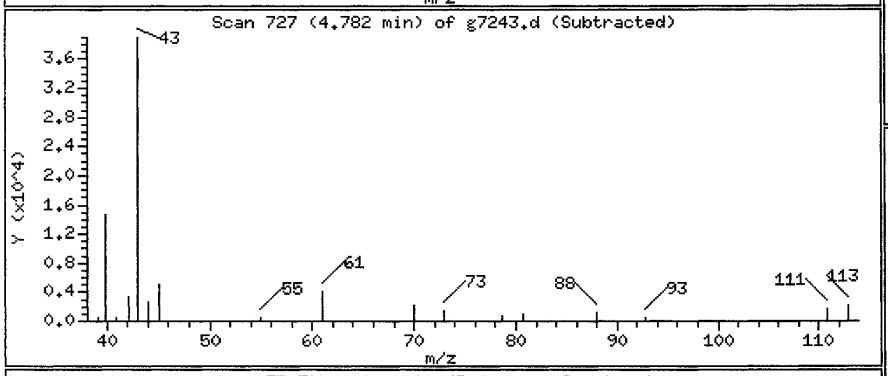
Column phase: DB-VRX-30M

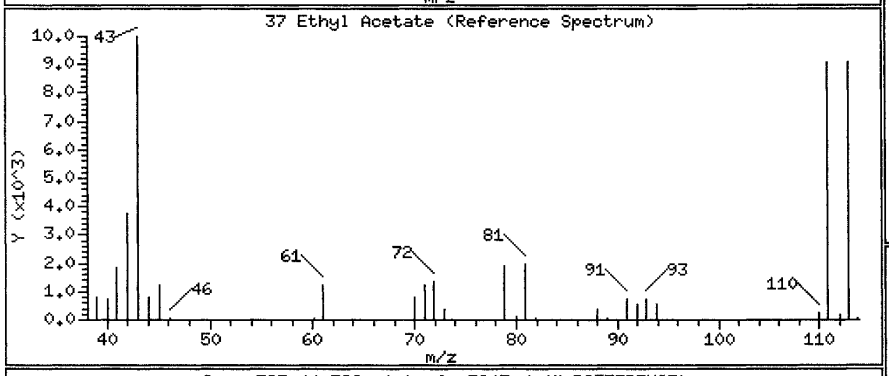
Column diameter: 0.53

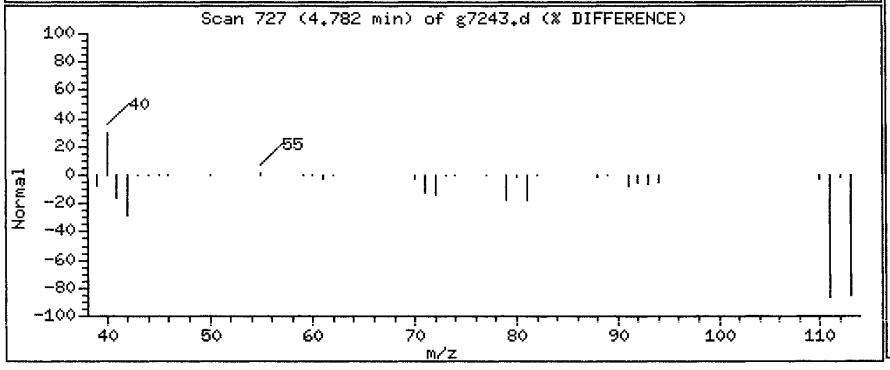
37 Ethyl Acetate

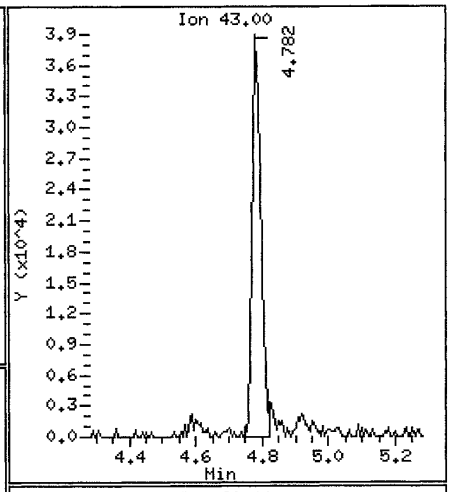
Concentration: 1180 UG/KG

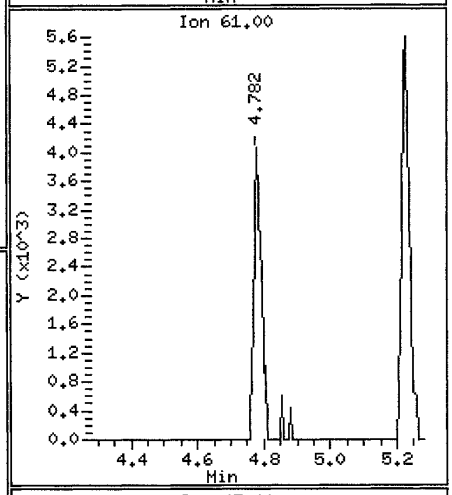


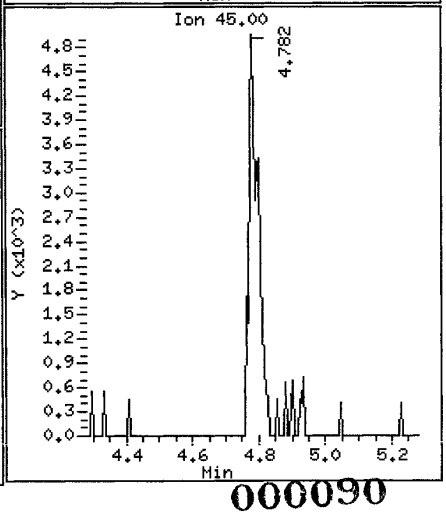










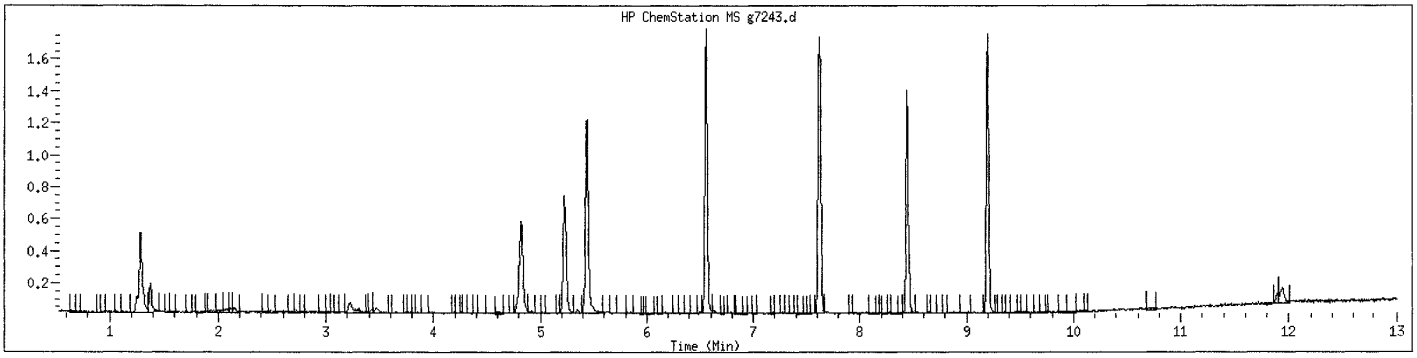


000090

166551

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20608043105	SampleType	: SAMPLE
Injection Date	: 11-AUG-2006 12:01	Instrument	: msv5.i
Operator	: VWM		
Sample Info	: 20608043105*FWPSE04-004-(0-0.5)		
Misc Info	: MSV~8849~*50*VWM		
Method	: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

166552

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE02-002-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 56.0

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043106

Lab File ID: 2060811P/B6603

Date Collected: 08/02/06 Time: 1500

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1627

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.057	U	0.00200	0.057
71-55-6	1,1,1-Trichloroethane	0.057	U	0.00140	0.057
79-34-5	1,1,2,2-Tetrachloroethane	0.057	U	0.00205	0.057
79-00-5	1,1,2-Trichloroethane	0.057	U	0.00130	0.057
75-34-3	1,1-Dichloroethane	0.057	U	0.00181	0.057
75-35-4	1,1-Dichloroethene	0.057	U	0.00408	0.057
563-58-6	1,1-Dichloropropene	0.057	U	0.00148	0.057
96-18-4	1,2,3-Trichloropropane	0.023	U	0.00278	0.023
120-82-1	1,2,4-Trichlorobenzene	0.057	U	0.00372	0.057
95-63-6	1,2,4-Trimethylbenzene	0.057	U	0.00225	0.057
96-12-8	1,2-Dibromo-3-chloropropane	0.057	U	0.00984	0.057
106-93-4	1,2-Dibromoethane	0.057	U	0.00171	0.057
95-50-1	1,2-Dichlorobenzene	0.057	U	0.00130	0.057
107-06-2	1,2-Dichloroethane	0.057	U	0.00130	0.057
78-87-5	1,2-Dichloropropane	0.057	U	0.00127	0.057
108-67-8	1,3,5-Trimethylbenzene	0.057	U	0.00185	0.057
541-73-1	1,3-Dichlorobenzene	0.057	U	0.00268	0.057
142-28-9	1,3-Dichloropropane	0.057	U	0.00155	0.057
106-46-7	1,4-Dichlorobenzene	0.057	U	0.00479	0.057
594-20-7	2,2-Dichloropropane	0.057	U	0.00200	0.057
78-93-3	2-Butanone	0.057	U	0.00355	0.057
95-49-8	2-Chlorotoluene	0.057	U	0.00171	0.057
591-78-6	2-Hexanone	0.057	U	0.00939	0.057
106-43-4	4-Chlorotoluene	0.057	U	0.00369	0.057
99-87-6	4-Isopropyltoluene	0.057	U	0.00183	0.057
108-10-1	4-Methyl-2-pentanone	0.057	U	0.00197	0.057
67-64-1	Acetone	0.073	JB	0.00425	0.284
107-02-8	Acrolein	0.284	U	0.027	0.284
107-13-1	Acrylonitrile	0.284	U	0.00809	0.284
71-43-2	Benzene	0.057	U	0.00118	0.057
108-86-1	Bromobenzene	0.057	U	0.00267	0.057

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE02-002-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043106

Level: (low/med) LOW

Lab File ID: 2060811P/B6603

% Moisture: not dec. 56.0

Date Collected: 08/02/06 Time: 1500

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1627

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.057	U	0.00153	0.057
75-25-2	Bromoform	0.057	U	0.00192	0.057
74-83-9	Bromomethane	0.057	U	0.017	0.057
104-51-8	n-Butylbenzene	0.057	U	0.00202	0.057
75-15-0	Carbon disulfide	0.057	U	0.00124	0.057
56-23-5	Carbon tetrachloride	0.057	U	0.00136	0.057
108-90-7	Chlorobenzene	0.057	U	0.00188	0.057
75-00-3	Chloroethane	0.057	U	0.00689	0.057
67-66-3	Chloroform	0.057	U	0.00160	0.057
74-87-3	Chloromethane	0.057	U	0.00527	0.057
110-82-7	Cyclohexane	0.057	U	0.013	0.057
124-48-1	Dibromochloromethane	0.057	U	0.00102	0.057
74-95-3	Dibromomethane	0.057	U	0.00177	0.057
75-71-8	Dichlorodifluoromethane	0.057	U	0.00414	0.057
10061-01-5	cis-1,3-Dichloropropene	0.057	U	0.00131	0.057
10061-02-6	trans-1,3-Dichloropropene	0.057	U	0.00160	0.057
100-41-4	Ethylbenzene	0.057	U	0.00235	0.057
87-68-3	Hexachlorobutadiene	0.057	U	0.014	0.057
98-82-8	Isopropylbenzene (Cumene)	0.057	U	0.00174	0.057
79-20-9	Methyl Acetate	0.057	U	0.017	0.057
74-88-4	Methyl iodide	0.057	U	0.010	0.057
108-87-2	Methylcyclohexane	0.057	U	0.00421	0.057
75-09-2	Methylene chloride	0.061	JB	0.00544	0.114
91-20-3	Naphthalene	0.057	U	0.00427	0.057
100-42-5	Styrene	0.057	U	0.00173	0.057
127-18-4	Tetrachloroethene	0.057	U	0.00218	0.057
108-88-3	Toluene	0.057	U	0.00625	0.057
79-01-6	Trichloroethene	0.057	U	0.00201	0.057
75-69-4	Trichlorofluoromethane	0.057	U	0.00286	0.057
76-13-1	Trichlorotrifluoroethane	0.057	U	0.00214	0.057
108-05-4	Vinyl acetate	0.057	U	0.011	0.057
75-01-4	Vinyl chloride	0.057	U	0.00399	0.057

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE02-002-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043106

Level: (low/med) LOW

Lab File ID: 2060811P/B6603

% Moisture: not dec. 56.0

Date Collected: 08/02/06 Time: 1500

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1627

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.114	U	0.00650	0.114
156-59-2	cis-1,2-Dichloroethene	0.057	U	0.00143	0.057
136777-61-	m,p-Xylene	0.057	U	0.00452	0.057
103-65-1	n-Propylbenzene	0.057	U	0.00159	0.057
95-47-6	o-Xylene	0.057	U	0.00198	0.057
135-98-8	sec-Butylbenzene	0.057	U	0.00133	0.057
1634-04-4	tert-Butyl methyl ether (MTBE)	0.057	U	0.000841	0.057
98-06-6	tert-Butylbenzene	0.057	U	0.00286	0.057
156-60-5	trans-1,2-Dichloroethene	0.057	U	0.00186	0.057
110-57-6	trans-1,4-Dichloro-2-butene	0.057	U	0.00820	0.057

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6603.d
Lab Smp Id: 20608043106 Client Smp ID: FWPSE02-002-(0-0.5)
Inj Date : 11-AUG-2006 16:27
Operator : AJV Inst ID: msv6.i
Smp Info : 20608043106*FWPSE02-002-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 12
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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
	8 Acetone	43	1.624	1.626	(0.364)	20326	6.41245	32.1	5776
	13 Methylene Chloride	49	1.886	1.886	(0.423)	56902	5.37856	26.9	8543
$	28 Dibromofluoromethane	111	3.191	3.188	(0.716)	246253	53.5094	268	5866
$	31 1,2-Dichloroethane-d4	67	3.615	3.615	(0.811)	185009	54.4338	272	9424
*	41 FLUOROBENZENE	96	4.457	4.462	(1.000)	967025	50.0000		9429
$	68 Toluene-d8	98	6.546	6.551	(0.793)	1091441	59.6915	298	9577
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	475146	50.0000		9499
$	102 Bromofluorobenzene	174	9.727	9.730	(1.179)	285842	53.9144	270	9326
*	116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	319596	50.0000		9549

166556

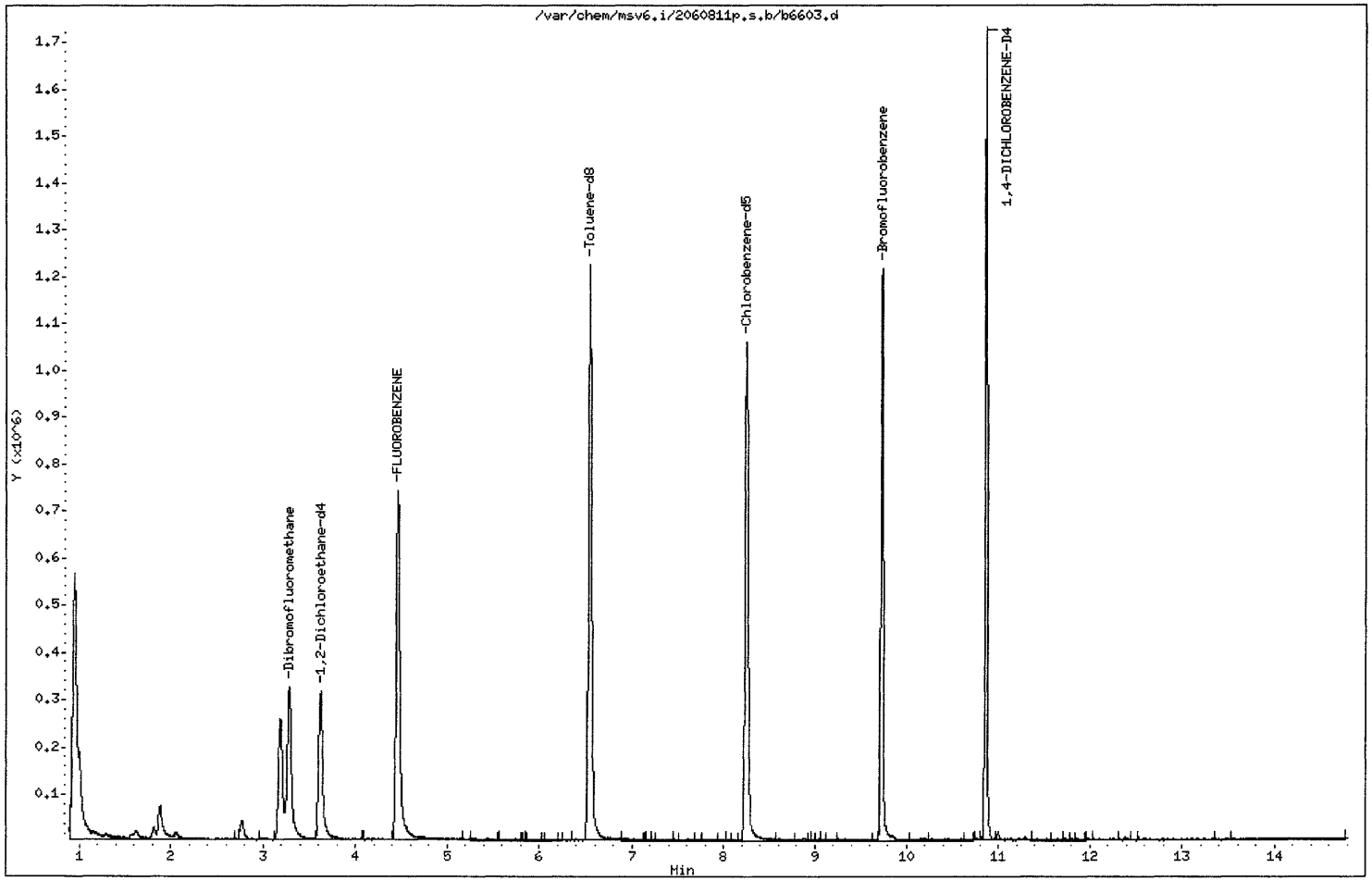
Data File: /var/chem/msv6.i/2060811p.s.b/b6603.d
Date : 11-AUG-2006 16:27
Client ID: FWPSE02-002-(0-0.5)
Sample Info: 20608043106*FWPSE02-002-(0-0.5)

Column phase: DB-624-30M

Page 1

Instrument: msv6.i

Operator: AJV
Column diameter: 0.53



Data File: /var/chem/msv6.i/2060811p.s.b/b6603.d

Date : 11-AUG-2006 16:27

Client ID: FWPSE02-002-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043106*FWPSE02-002-(0-0.5)

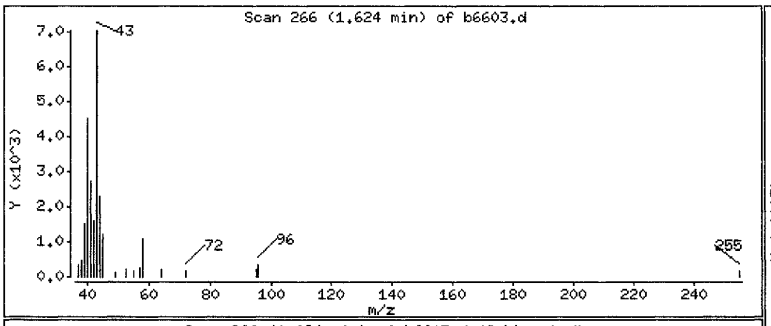
Operator: AJV

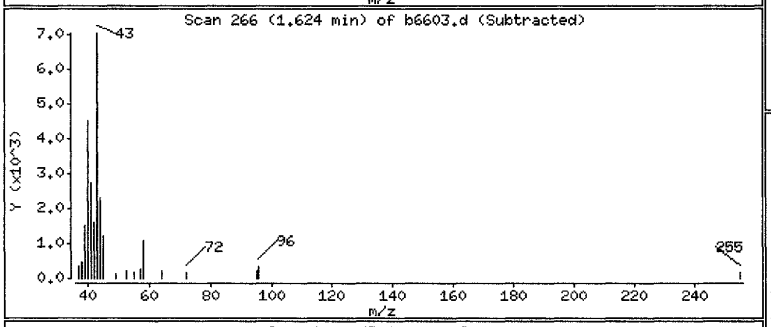
Column phase: DB-624-30M

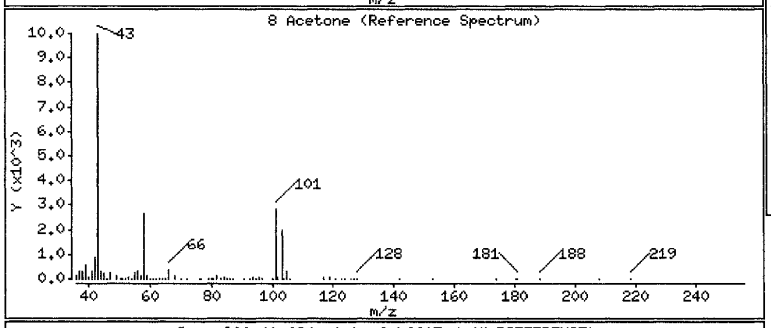
Column diameter: 0.53

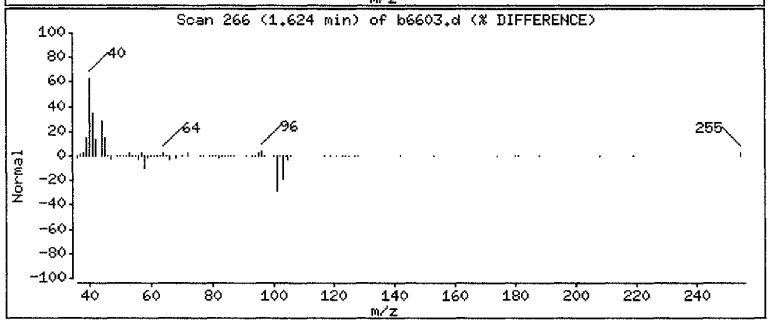
8 Acetone

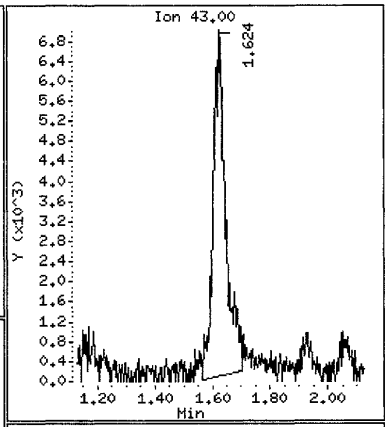
Concentration: 32.1 ug/Kg

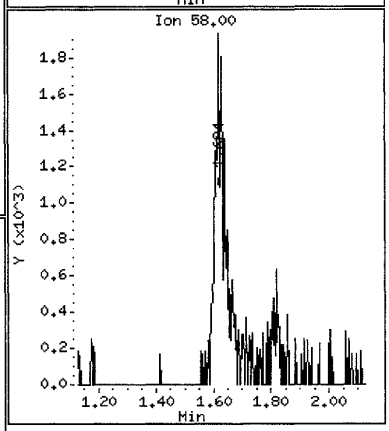












Data File: /var/chem/msv6.i/2060811p.s.b/b6603.d

Date : 11-AUG-2006 16:27

Client ID: FWPSE02-002-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043106*FWPSE02-002-(0-0.5)

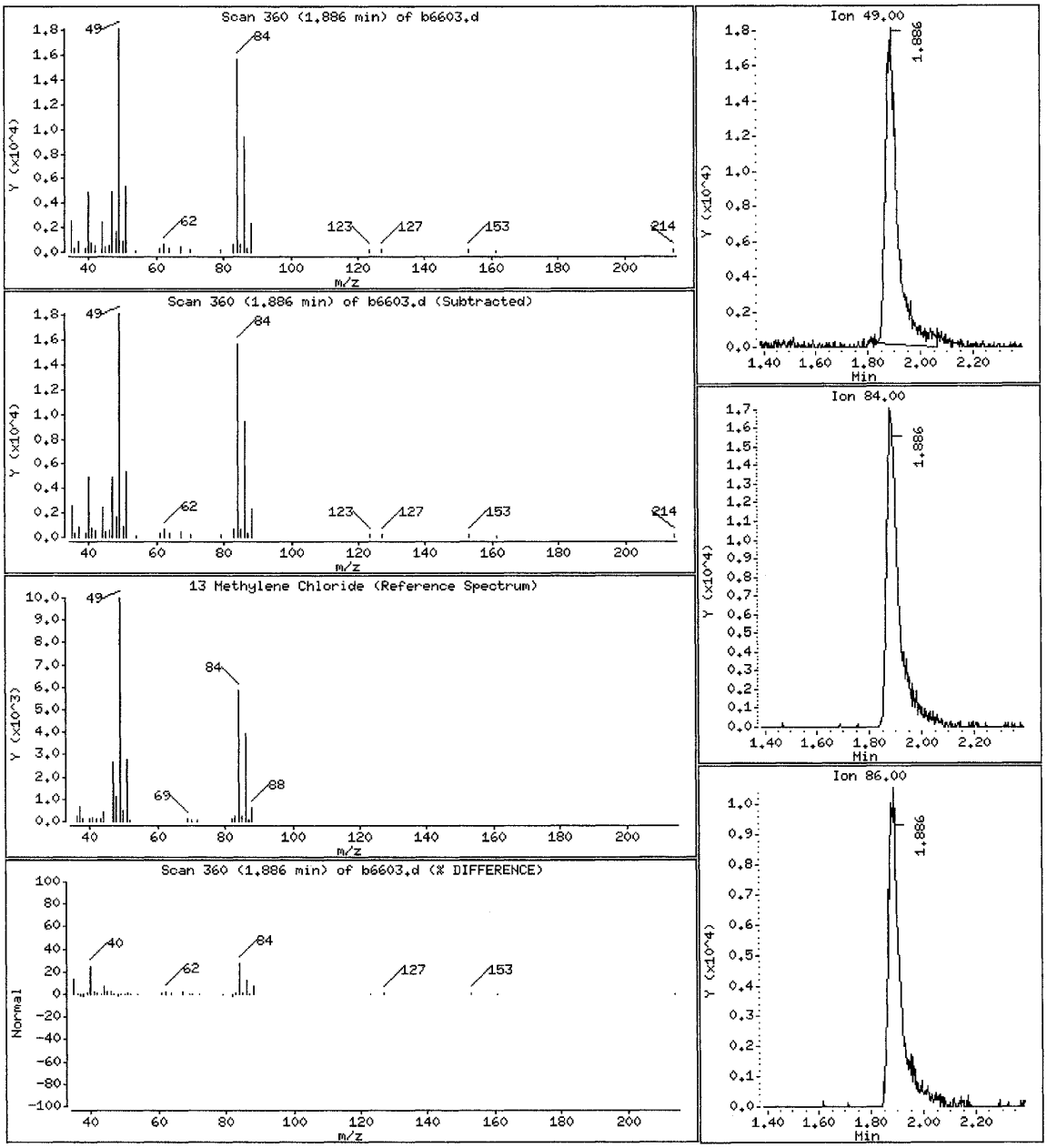
Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53

13 Methylene Chloride

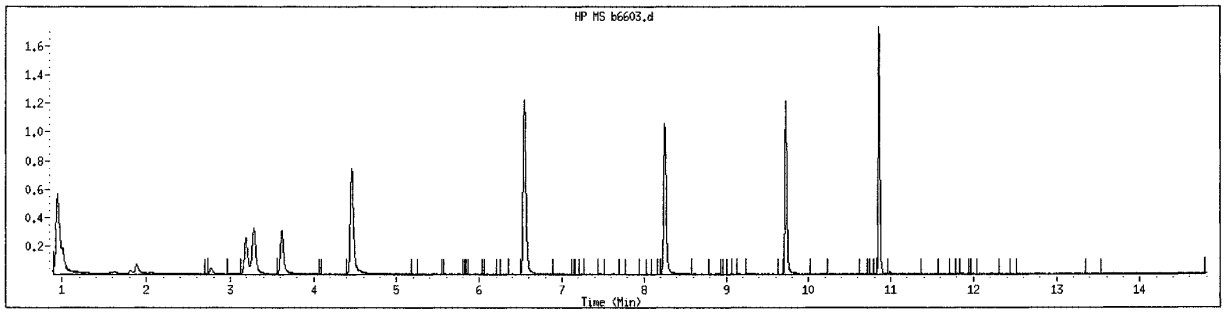
Concentration: 26.9 ug/Kg



Data file : /var/chem/msv6.i/2060811p.s.b/b6603.d Page: 1
Report Date: 08/12/2006 11:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043106 SampleType : SAMPLE
Injection Date: 11-AUG-2006 16:27 Instrument : msv6.i
Operator : AJV
Sample Info : 20608043106*FWPSE02-002-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

166560

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE02-002-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

Sample wt/vol: 5.12 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 56.0

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043106

Lab File ID: 2060811/G7244

Date Collected: 08/02/06 Time: 1500

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1226

Dilution Factor: 50 Analyst: VWM

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.555	U	0.233	0.555
71-36-3	n-Butyl alcohol	2.78	U	0.111	2.78

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7244.d
Lab Smp Id: 20608043106 Client Smp ID: FWPSE02-002-(0-0.5)
Inj Date : 11-AUG-2006 12:26
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043106*FWPSE02-002-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 5
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.12000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

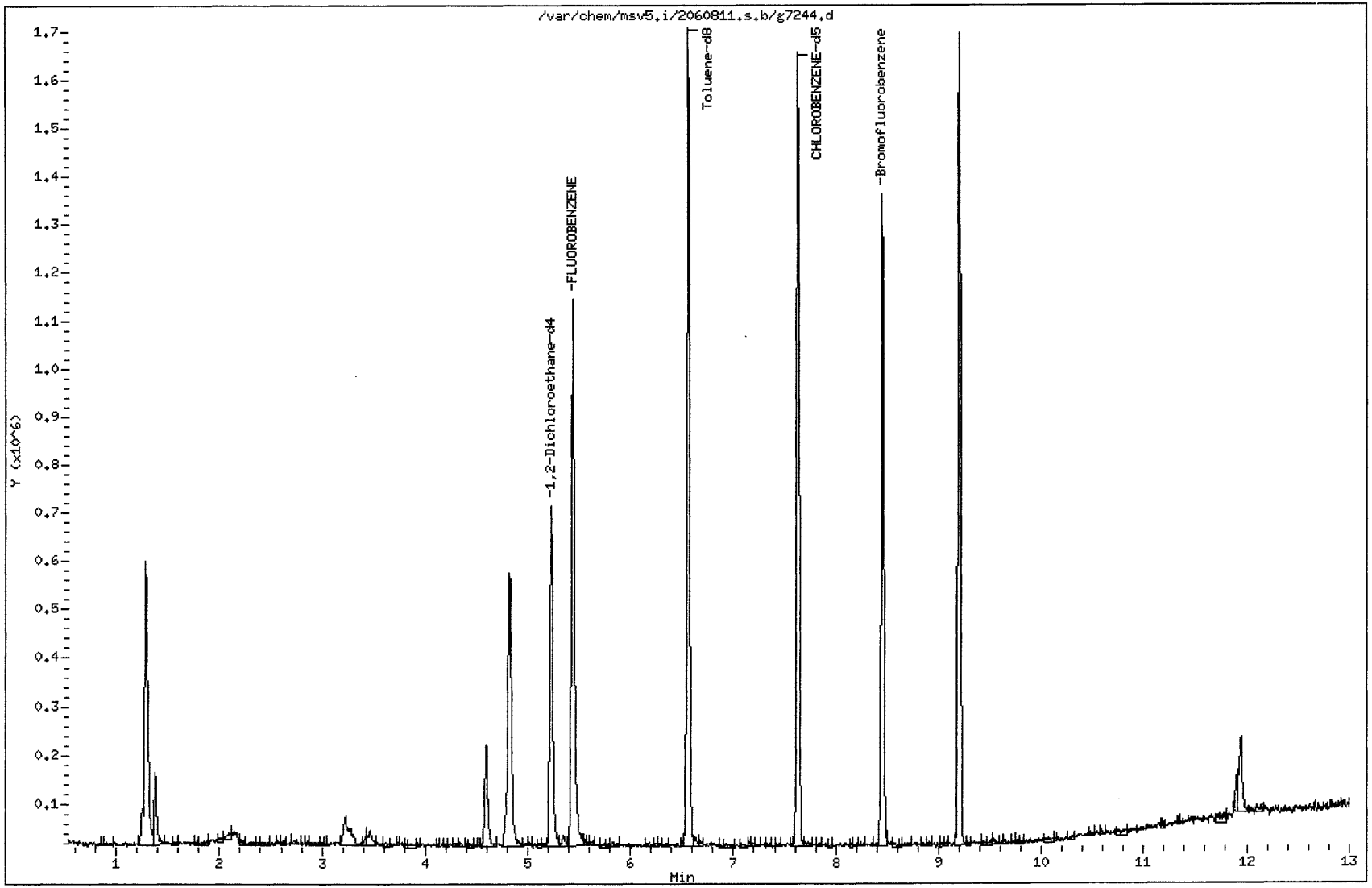
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
17 Methylene Chloride	49	3.219	3.228	(0.592)	50592	3.56805	174	
18 Acetone	43	3.307	3.292	(0.608)	35954	14.1989	693	
20 Methyl Acetate	43	3.419	3.427	(0.629)	33320	8.99773	439	4198
37 Ethyl Acetate	43	4.788	4.780	(0.880)	84367	31.7383	1550	5470
$ 39 Dibromofluoromethane	111	4.818	4.818	(0.886)	365771	53.7576	2620	6202
$ 48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	253514	57.7371	2820	
* 52 FLUOROBENZENE	96	5.439	5.438	(1.000)	895602	50.0000		
$ 67 Toluene-d8	98	6.557	6.556	(0.860)	930495	54.7563	2670	
* 83 CHLOROBENZENE-d5	82	7.623	7.619	(1.000)	502218	50.0000		
$ 94 Bromofluorobenzene	174	8.449	8.443	(1.108)	268506	51.9590	2540	
* 111 1,4-DICHLOROBENZENE-D4	152	9.199	9.199	(1.000)	334382	50.0000		

000102

Data File: /var/chem/msv5.i/2060811.s.b/g7244.d
Date : 11-AUG-2006 12:26
Client ID: FWPSE02-002-(0-0.5)
Sample Info: 20608043106*FWPSE02-002-(0-0.5)
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: VWM
Column diameter: 0.53



166563

Data File: /var/chem/msv5.i/2060811.s.b/g7244.d

Date : 11-AUG-2006 12:26

Client ID: FWPSE02-002-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043106*FWPSE02-002-(0-0.5)

Purge Volume: 5.0

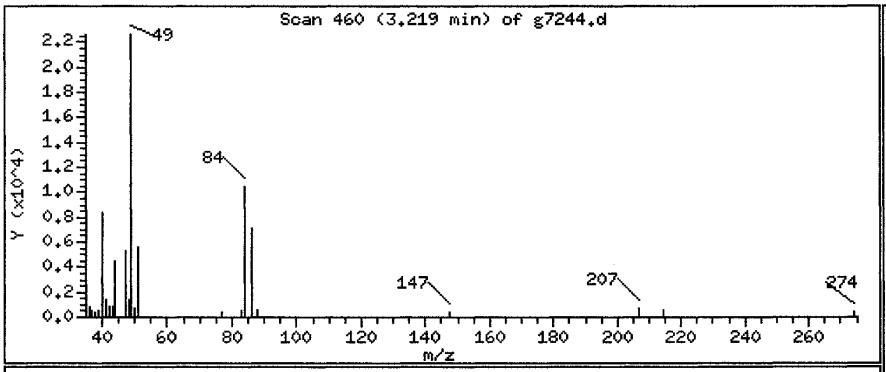
Operator: VWM

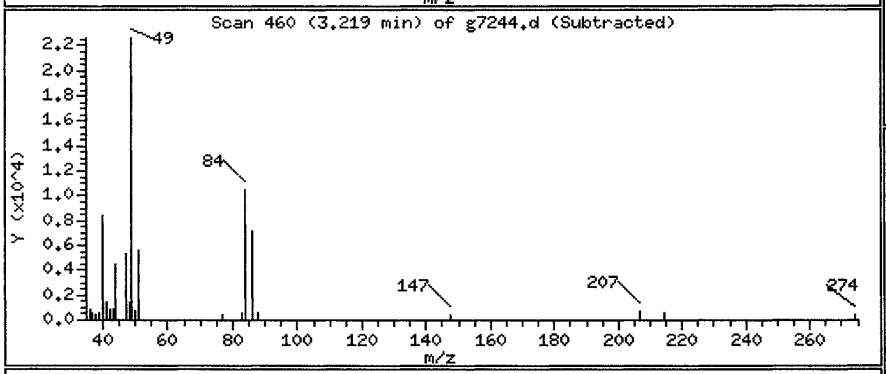
Column phase: DB-VRX-30M

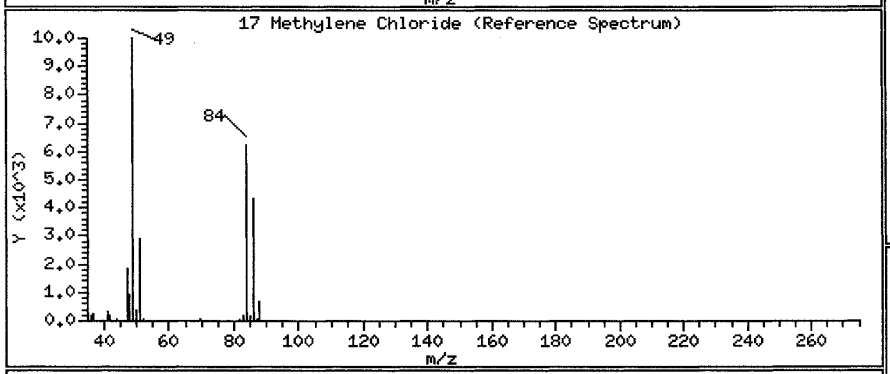
Column diameter: 0.53

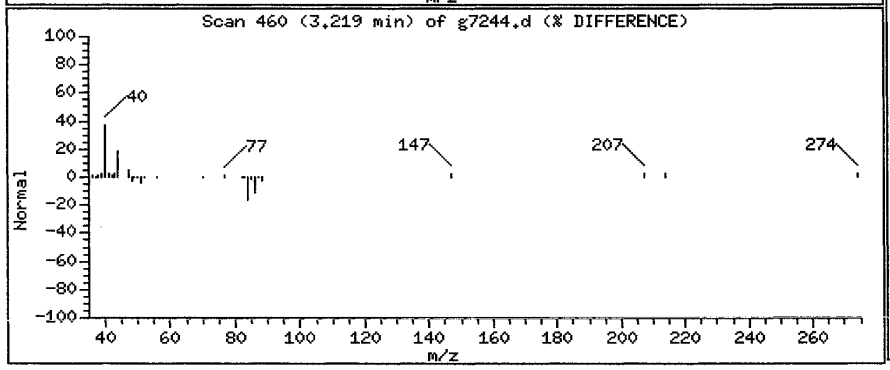
17 Methylene Chloride

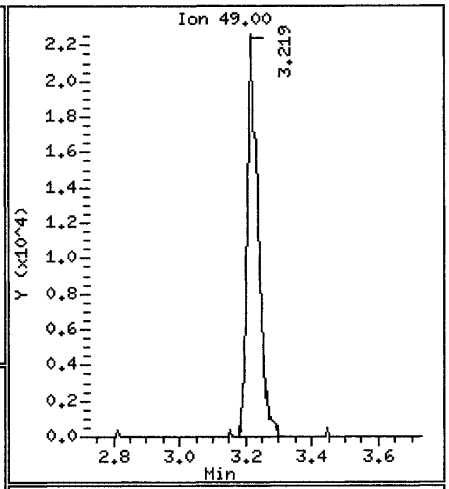
Concentration: 174 UG/KG

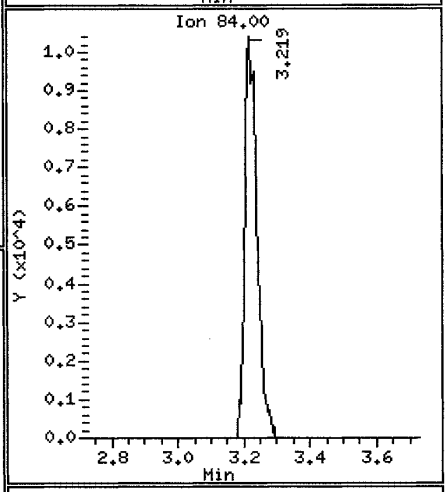


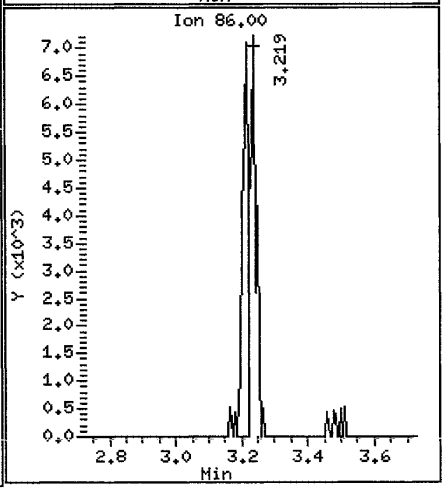












000103

166564

Data File: /var/chem/msv5.i/2060811.s.b/g7244.d

Date : 11-AUG-2006 12:26

Client ID: FWPSE02-002-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043106*FWPSE02-002-(0-0.5)

Purge Volume: 5.0

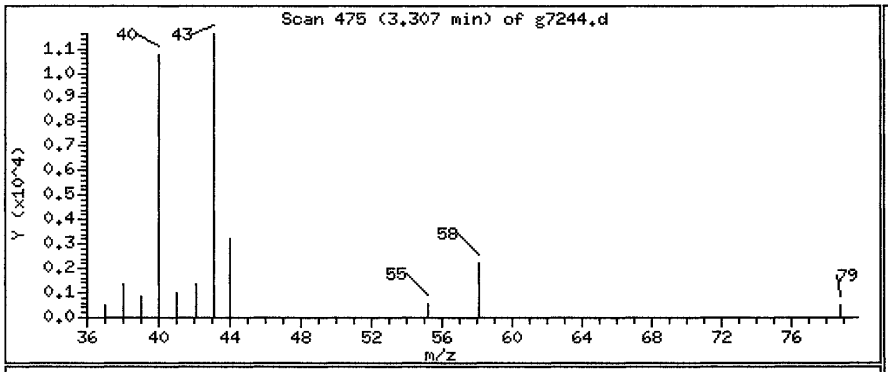
Operator: VWM

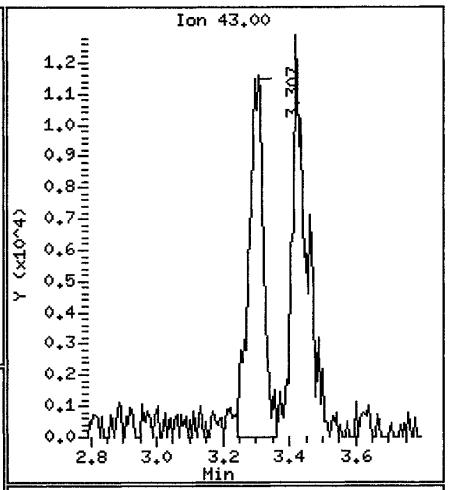
Column phase: DB-VRX-30M

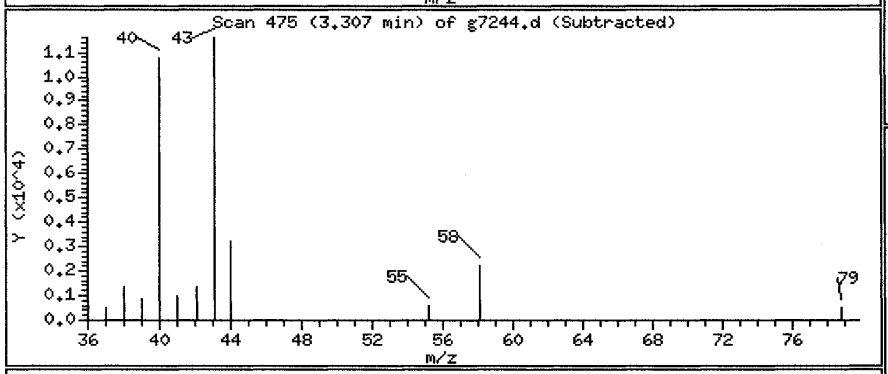
Column diameter: 0.53

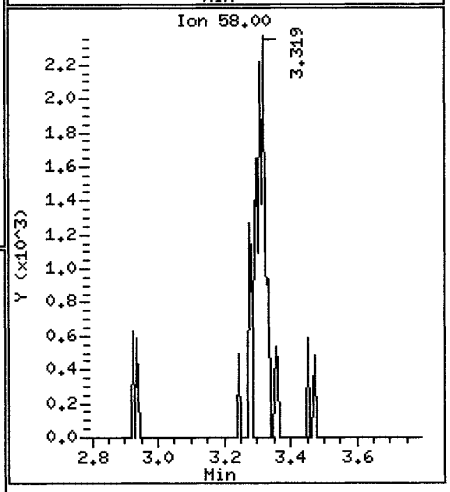
18 Acetone

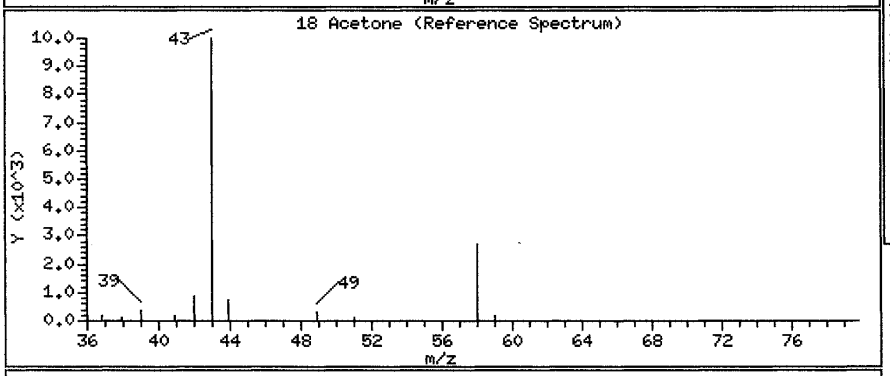
Concentration: 693 UG/KG

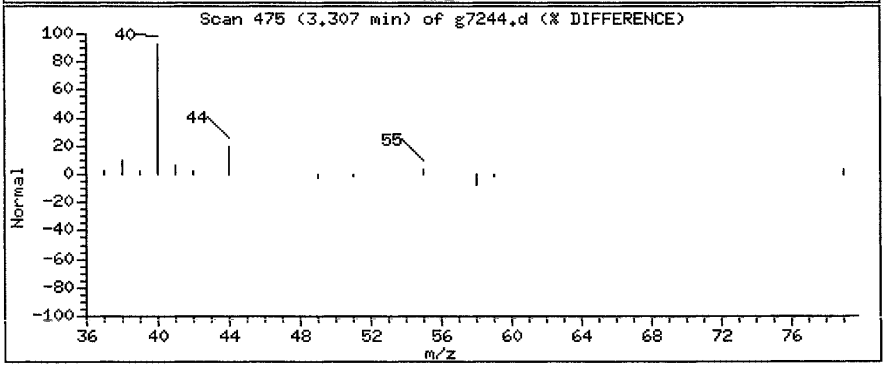












000104

166565

Data File: /var/chem/msv5.i/2060811.s.b/g7244.d

Date : 11-AUG-2006 12:26

Client ID: FWPSE02-002-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043106*FWPSE02-002-(0-0.5)

Purge Volume: 5.0

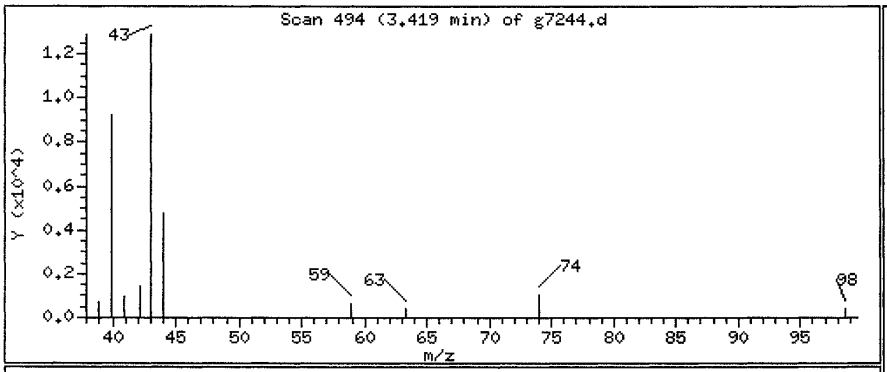
Operator: VWM

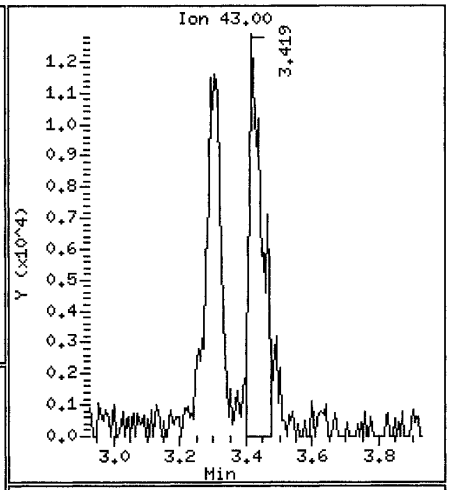
Column phase: DB-VRX-30M

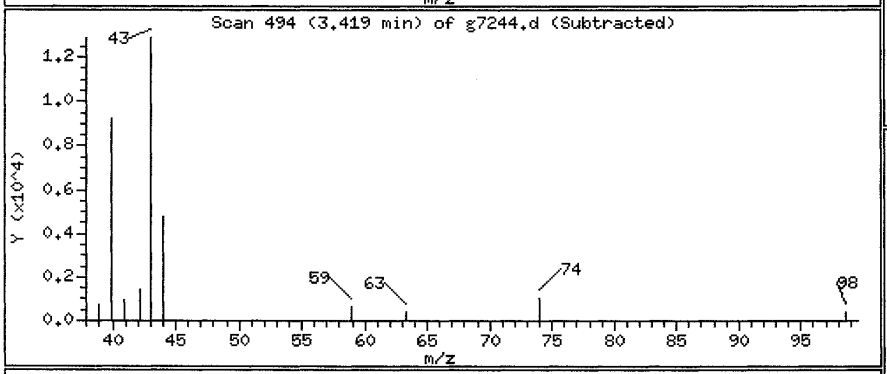
Column diameter: 0.53

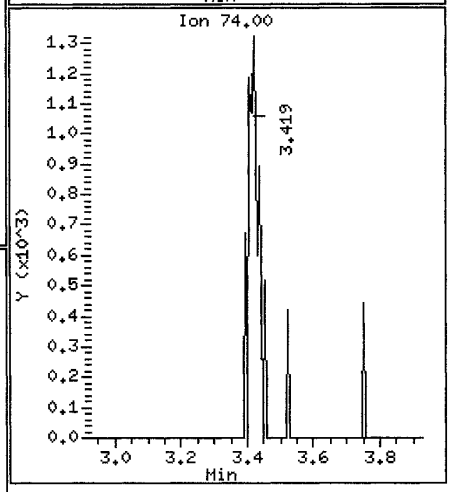
20 Methyl Acetate

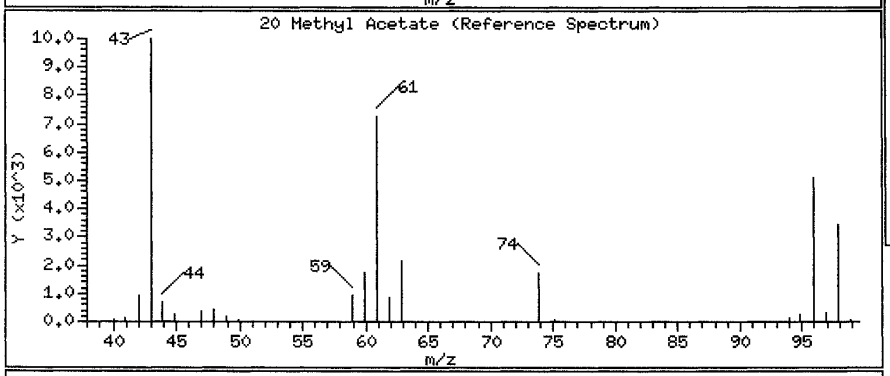
Concentration: 439 UG/KG

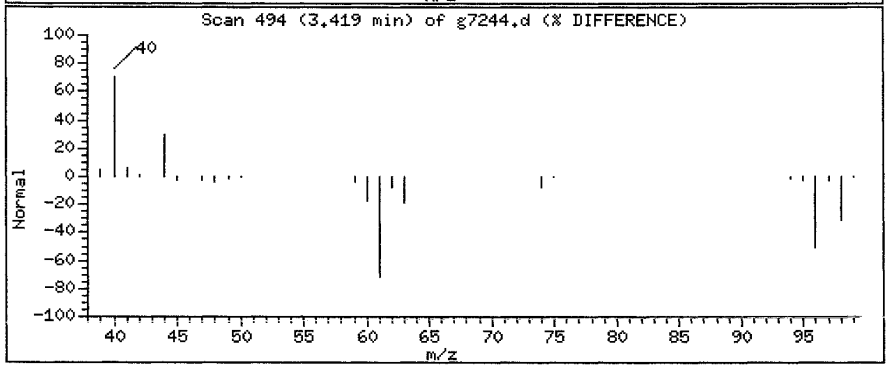












000105

166566

Data File: /var/chem/msv5.i/2060811.s.b/g7244.d

Date : 11-AUG-2006 12:26

Client ID: FWPSE02-002-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043106*FWPSE02-002-(0-0.5)

Purge Volume: 5.0

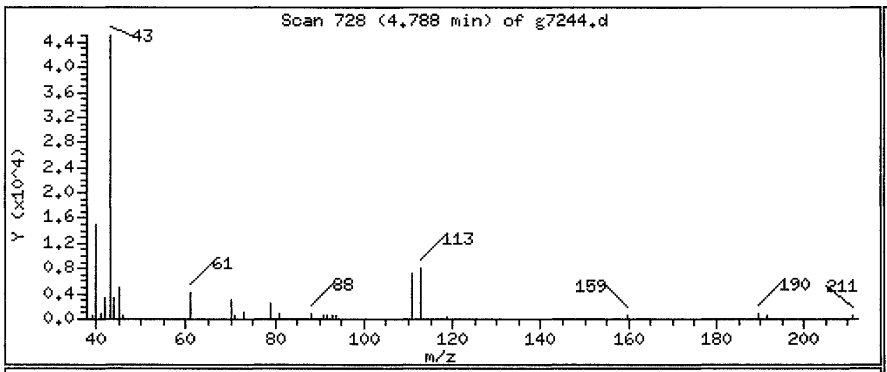
Operator: VWM

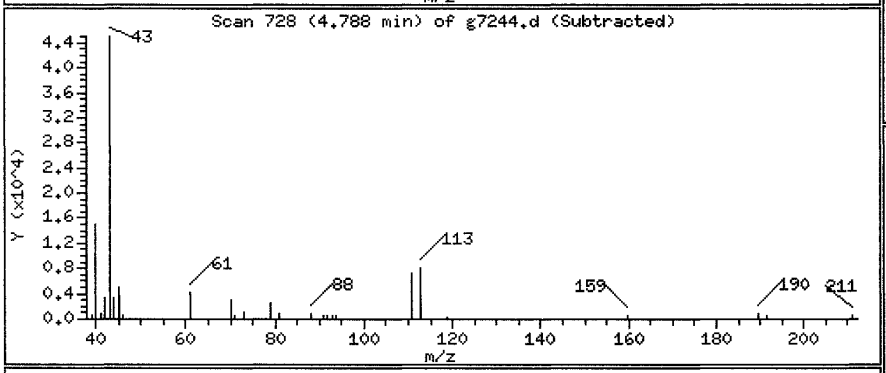
Column phase: DB-VRX-30M

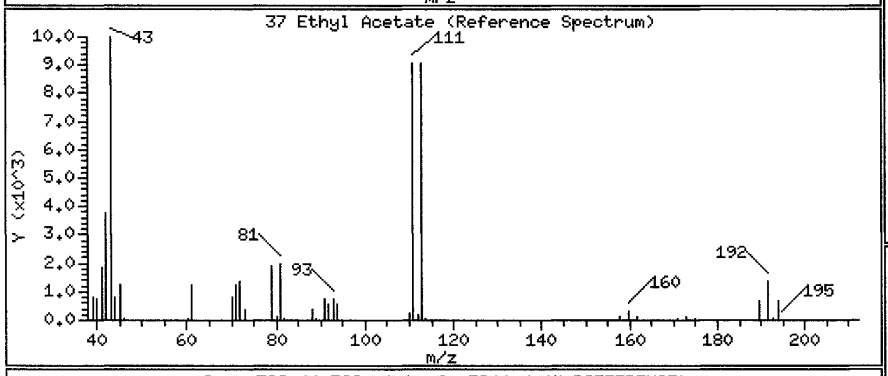
Column diameter: 0.53

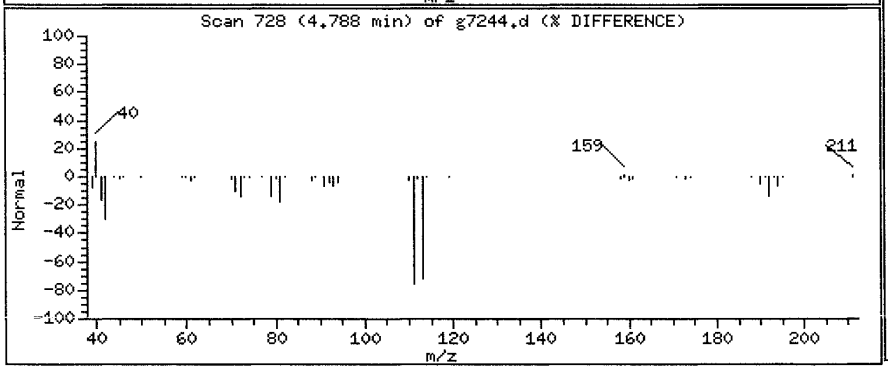
37 Ethyl Acetate

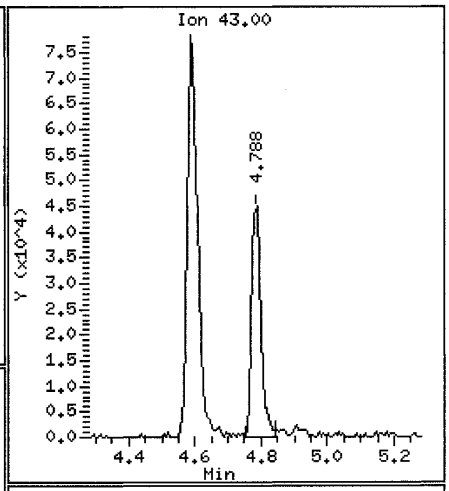
Concentration: 1550 UG/KG

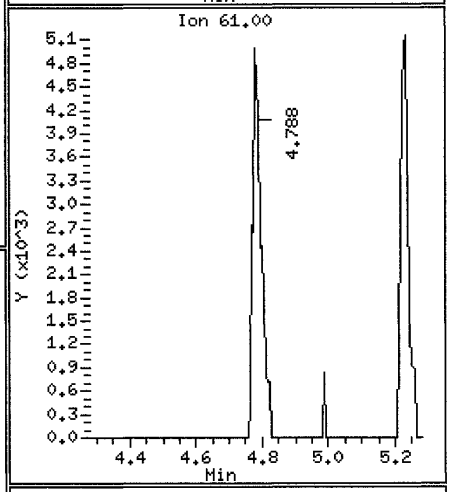


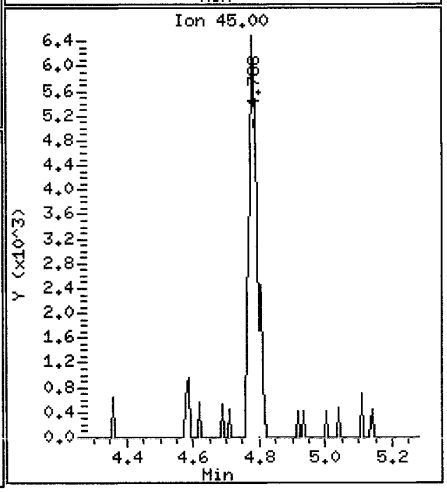










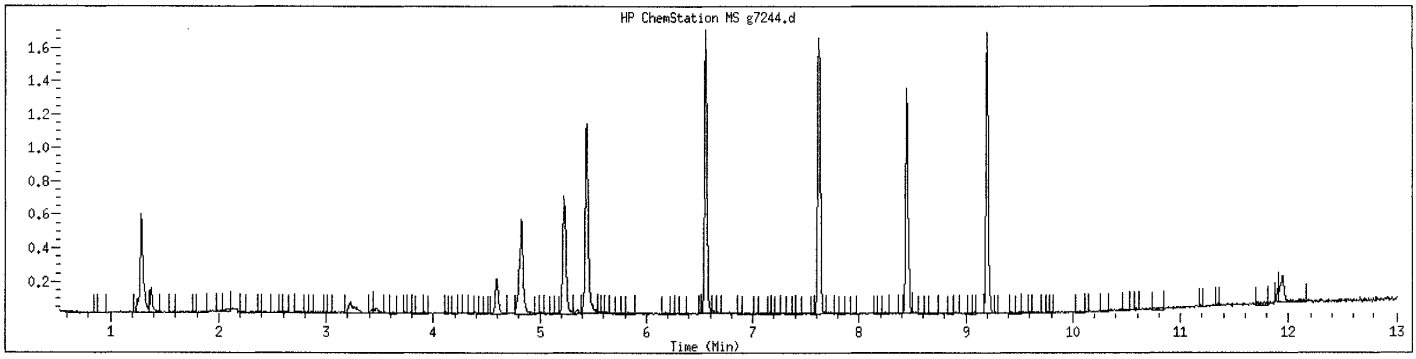


000106

166567

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20608043106	SampleType	: SAMPLE
Injection Date	: 11-AUG-2006 12:26	Instrument	: msv5.i
Operator	: VWM		
Sample Info	: 20608043106*FWPSE02-002-(0-0.5)		
Misc Info	: MSV~8849~*50*VWM		
Method	: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

166568

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE03-003-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 44.4

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043107

Lab File ID: 2060811P/B6604

Date Collected: 08/02/06 Time: 1525

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1648

Dilution Factor: 5 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.045	U	0.00158	0.045
71-55-6	1,1,1-Trichloroethane	0.045	U	0.00111	0.045
79-34-5	1,1,2,2-Tetrachloroethane	0.045	U	0.00162	0.045
79-00-5	1,1,2-Trichloroethane	0.045	U	0.00102	0.045
75-34-3	1,1-Dichloroethane	0.045	U	0.00143	0.045
75-35-4	1,1-Dichloroethene	0.045	U	0.00323	0.045
563-58-6	1,1-Dichloropropene	0.045	U	0.00117	0.045
96-18-4	1,2,3-Trichloropropane	0.018	U	0.00220	0.018
120-82-1	1,2,4-Trichlorobenzene	0.045	U	0.00294	0.045
95-63-6	1,2,4-Trimethylbenzene	0.045	U	0.00178	0.045
96-12-8	1,2-Dibromo-3-chloropropane	0.045	U	0.00778	0.045
106-93-4	1,2-Dibromoethane	0.045	U	0.00135	0.045
95-50-1	1,2-Dichlorobenzene	0.045	U	0.00102	0.045
107-06-2	1,2-Dichloroethane	0.045	U	0.00102	0.045
78-87-5	1,2-Dichloropropane	0.045	U	0.00101	0.045
108-67-8	1,3,5-Trimethylbenzene	0.045	U	0.00147	0.045
541-73-1	1,3-Dichlorobenzene	0.045	U	0.00212	0.045
142-28-9	1,3-Dichloropropane	0.045	U	0.00122	0.045
106-46-7	1,4-Dichlorobenzene	0.045	U	0.00378	0.045
594-20-7	2,2-Dichloropropane	0.045	U	0.00158	0.045
78-93-3	2-Butanone	0.045	U	0.00280	0.045
95-49-8	2-Chlorotoluene	0.045	U	0.00135	0.045
591-78-6	2-Hexanone	0.045	U	0.00742	0.045
106-43-4	4-Chlorotoluene	0.045	U	0.00292	0.045
99-87-6	4-Isopropyltoluene	0.045	U	0.00145	0.045
108-10-1	4-Methyl-2-pentanone	0.045	U	0.00155	0.045
67-64-1	Acetone	0.055	JB	0.00336	0.225
107-02-8	Acrolein	0.225	U	0.021	0.225
107-13-1	Acrylonitrile	0.225	U	0.00640	0.225
71-43-2	Benzene	0.045	U	0.000935	0.045
108-86-1	Bromobenzene	0.045	U	0.00211	0.045

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE03-003-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043107

Level: (low/med) LOW

Lab File ID: 2060811P/B6604

% Moisture: not dec. 44.4

Date Collected: 08/02/06 Time: 1525

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1648

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.045	U	0.00121	0.045
75-25-2	Bromoform	0.045	U	0.00152	0.045
74-83-9	Bromomethane	0.045	U	0.014	0.045
104-51-8	n-Butylbenzene	0.045	U	0.00160	0.045
75-15-0	Carbon disulfide	0.045	U	0.000980	0.045
56-23-5	Carbon tetrachloride	0.045	U	0.00108	0.045
108-90-7	Chlorobenzene	0.045	U	0.00148	0.045
75-00-3	Chloroethane	0.045	U	0.00545	0.045
67-66-3	Chloroform	0.045	U	0.00127	0.045
74-87-3	Chloromethane	0.045	U	0.00417	0.045
110-82-7	Cyclohexane	0.045	U	0.00994	0.045
124-48-1	Dibromochloromethane	0.045	U	0.000809	0.045
74-95-3	Dibromomethane	0.045	U	0.00140	0.045
75-71-8	Dichlorodifluoromethane	0.045	U	0.00327	0.045
10061-01-5	cis-1,3-Dichloropropene	0.045	U	0.00103	0.045
10061-02-6	trans-1,3-Dichloropropene	0.045	U	0.00127	0.045
100-41-4	Ethylbenzene	0.045	U	0.00186	0.045
87-68-3	Hexachlorobutadiene	0.045	U	0.011	0.045
98-82-8	Isopropylbenzene (Cumene)	0.045	U	0.00138	0.045
79-20-9	Methyl Acetate	0.045	U	0.014	0.045
74-88-4	Methyl iodide	0.041	J	0.00814	0.045
108-87-2	Methylcyclohexane	0.045	U	0.00333	0.045
75-09-2	Methylene chloride	0.029	JB	0.00431	0.090
91-20-3	Naphthalene	0.045	U	0.00338	0.045
100-42-5	Styrene	0.045	U	0.00137	0.045
127-18-4	Tetrachloroethene	0.045	U	0.00173	0.045
108-88-3	Toluene	0.045	U	0.00494	0.045
79-01-6	Trichloroethene	0.045	U	0.00159	0.045
75-69-4	Trichlorofluoromethane	0.045	U	0.00227	0.045
76-13-1	Trichlorotrifluoroethane	0.045	U	0.00169	0.045
108-05-4	Vinyl acetate	0.045	U	0.00880	0.045
75-01-4	Vinyl chloride	0.045	U	0.00315	0.045

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE03-003-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043107

Level: (low/med) LOW

Lab File ID: 2060811P/B6604

% Moisture: not dec. 44.4

Date Collected: 08/02/06 Time: 1525

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1648

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.090	U	0.00514	0.090
156-59-2	cis-1,2-Dichloroethene	0.045	U	0.00113	0.045
136777-61-	m,p-Xylene	0.045	U	0.00358	0.045
103-65-1	n-Propylbenzene	0.045	U	0.00126	0.045
95-47-6	o-Xylene	0.045	U	0.00156	0.045
135-98-8	sec-Butylbenzene	0.045	U	0.00105	0.045
1634-04-4	tert-Butyl methyl ether (MTBE)	0.045	U	0.000665	0.045
98-06-6	tert-Butylbenzene	0.045	U	0.00227	0.045
156-60-5	trans-1,2-Dichloroethene	0.045	U	0.00147	0.045
110-57-6	trans-1,4-Dichloro-2-butene	0.045	U	0.00648	0.045

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6604.d
Lab Smp Id: 20608043107 Client Smp ID: FWPSE03-003-(0-0.5)
Inj Date : 11-AUG-2006 16:48
Operator : AJV Inst ID: msv6.i
Smp Info : 20608043107*FWPSE03-003-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 13
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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
	4 Bromomethane	94	1.300	1.289	(0.291)	6079	1.40157	7.01	4429(a)
	8 Acetone	43	1.626	1.626	(0.364)	19228	6.09135	30.5	6214
	11 Methyl Iodide	142	1.822	1.822	(0.408)	1678	4.57727	22.9	2651(a)
	13 Methylene Chloride	49	1.886	1.886	(0.423)	46670	3.28670	16.4	8332(a)
$	28 Dibromofluoromethane	111	3.191	3.188	(0.715)	248451	55.4386	277	5892
$	31 1,2-Dichloroethane-d4	67	3.626	3.615	(0.813)	185517	56.0510	280	9346
*	41 FLUOROBENZENE	96	4.462	4.462	(1.000)	941704	50.0000		9456
$	68 Toluene-d8	98	6.548	6.551	(0.794)	1083018	59.6614	298	9596
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	471717	50.0000		9519
$	102 Bromofluorobenzene	174	9.727	9.730	(1.179)	286694	54.4682	272	9330
*	116 1,4-DICHLOROBENZENE-D4	152	10.859	10.860	(1.000)	325816	50.0000		9617

166572

QC Flag Legend

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

Data File: /var/chem/msv6.i/2060811p.s.b/b6604.d

Date : 11-AUG-2006 16:48

Client ID: FWPSE03-003-(0-0.5)

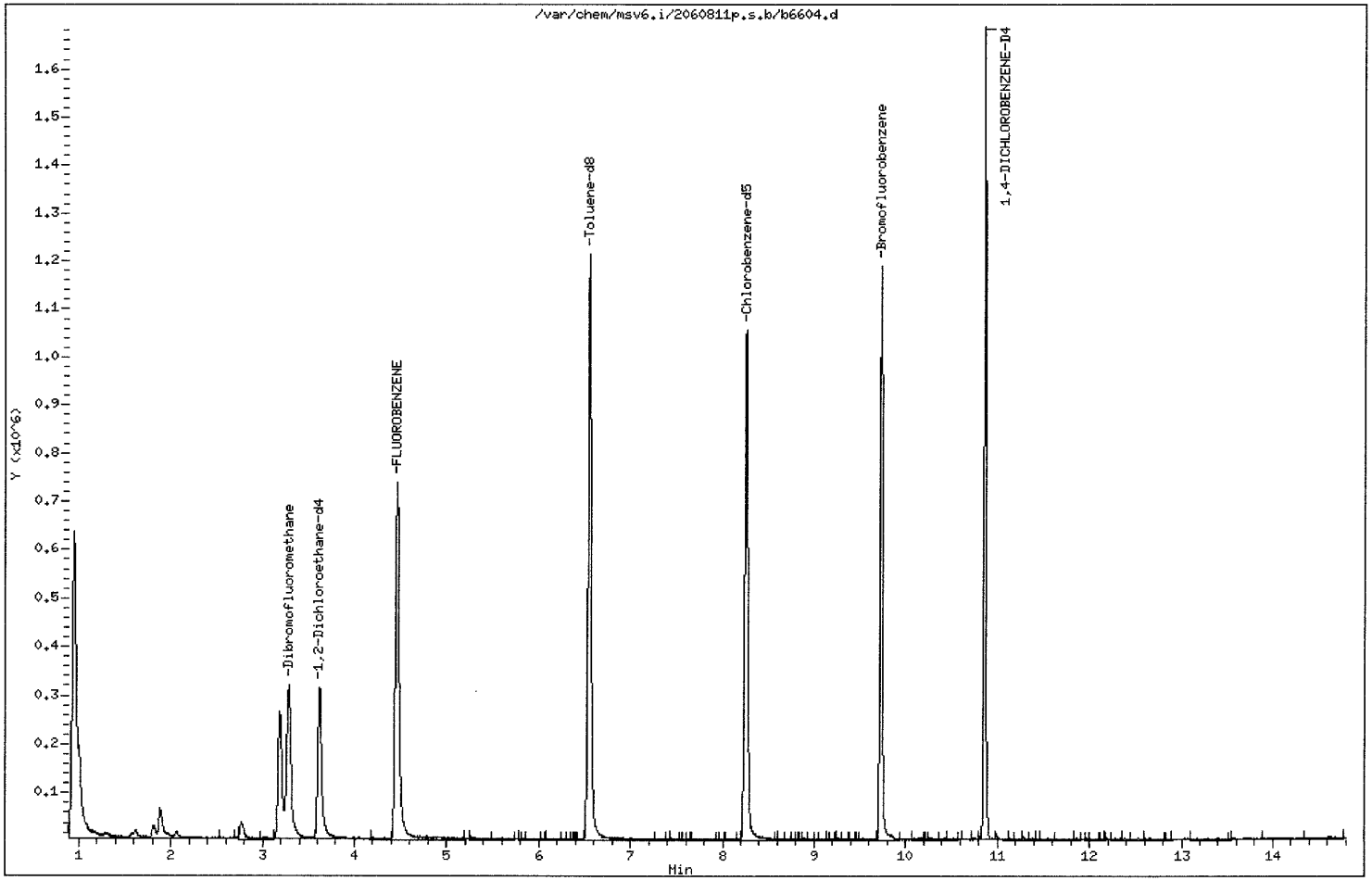
Instrument: msv6.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv6.i/2060811p.s.b/b6604.d

Date : 11-AUG-2006 16:48

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

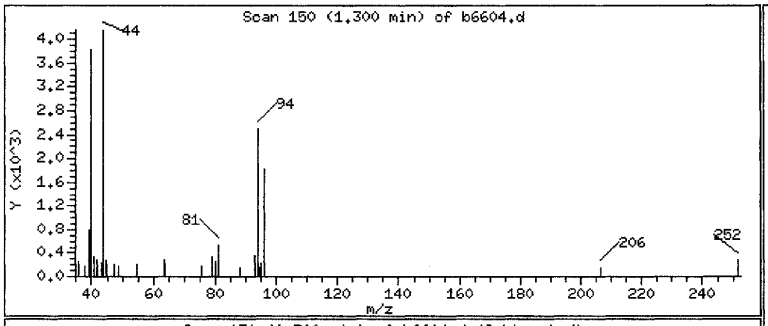
Operator: AJV

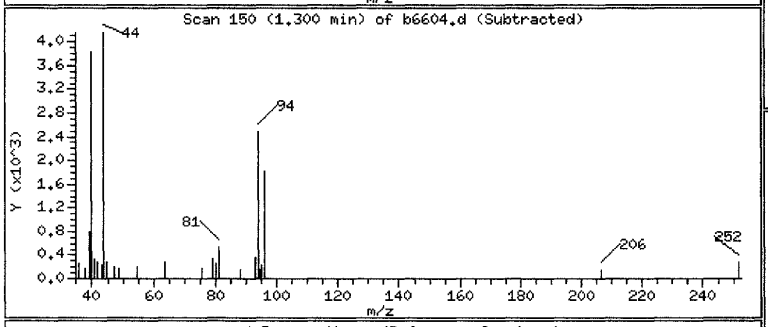
Column phase: DB-624-30M

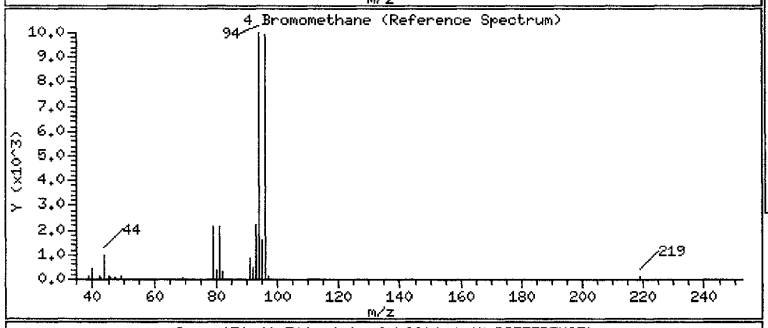
Column diameter: 0.53

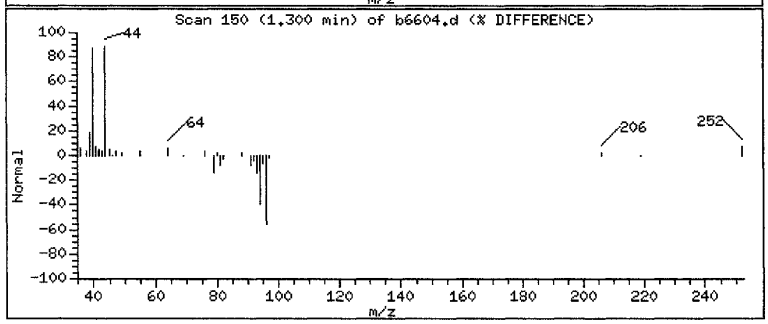
4 Bromomethane

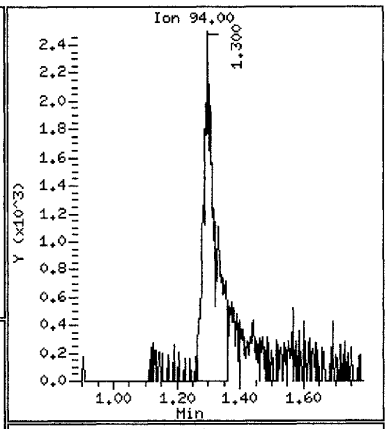
Concentration: 7.01 ug/Kg

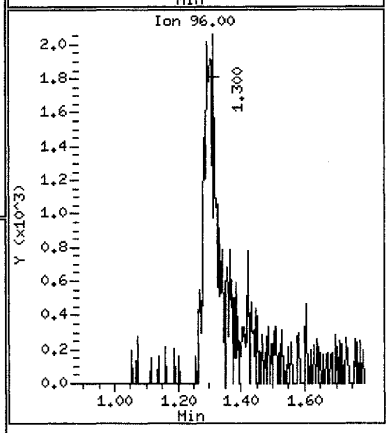












Data File: /var/chem/msv6.i/2060811p.s.b/b6604.d

Date : 11-AUG-2006 16:48

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

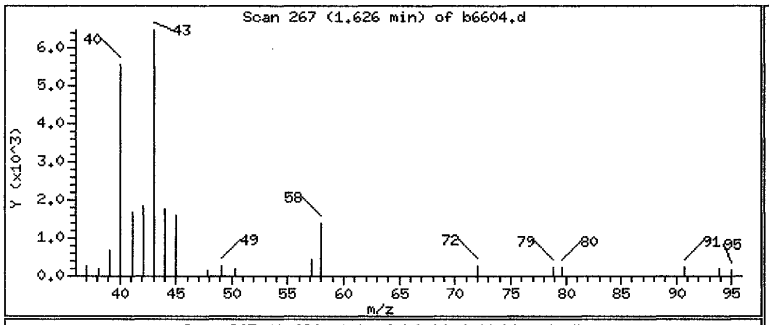
Operator: AJV

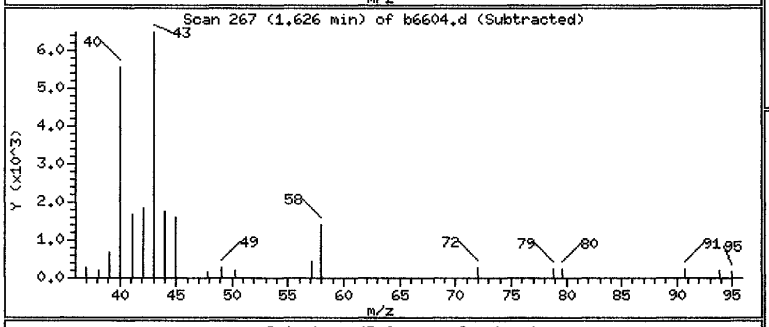
Column phase: DB-624-30M

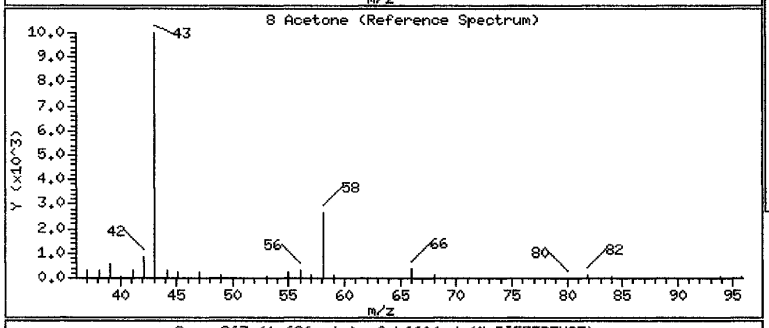
Column diameter: 0.53

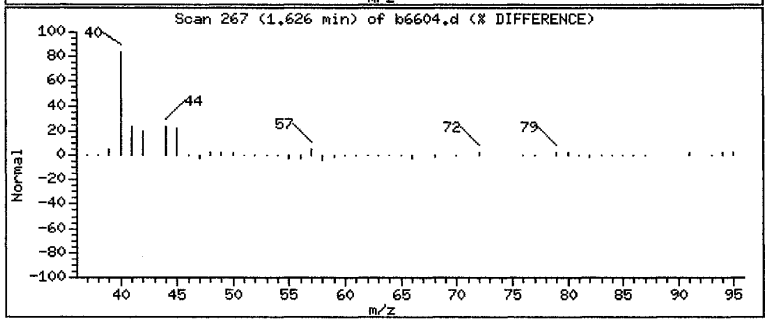
8 Acetone

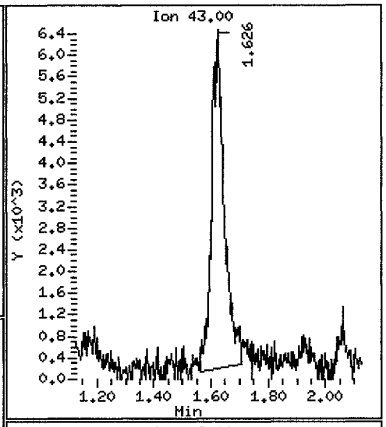
Concentration: 30.5 ug/Kg

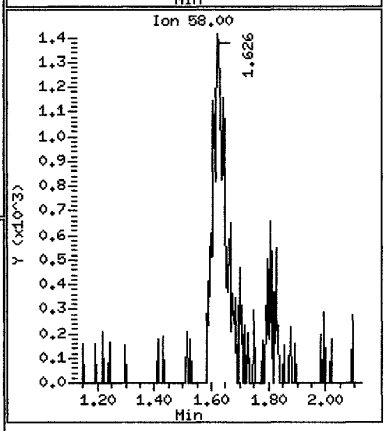












Data File: /var/chem/msv6.i/20060811p.s.b/b6604.d

Date : 11-AUG-2006 16:48

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

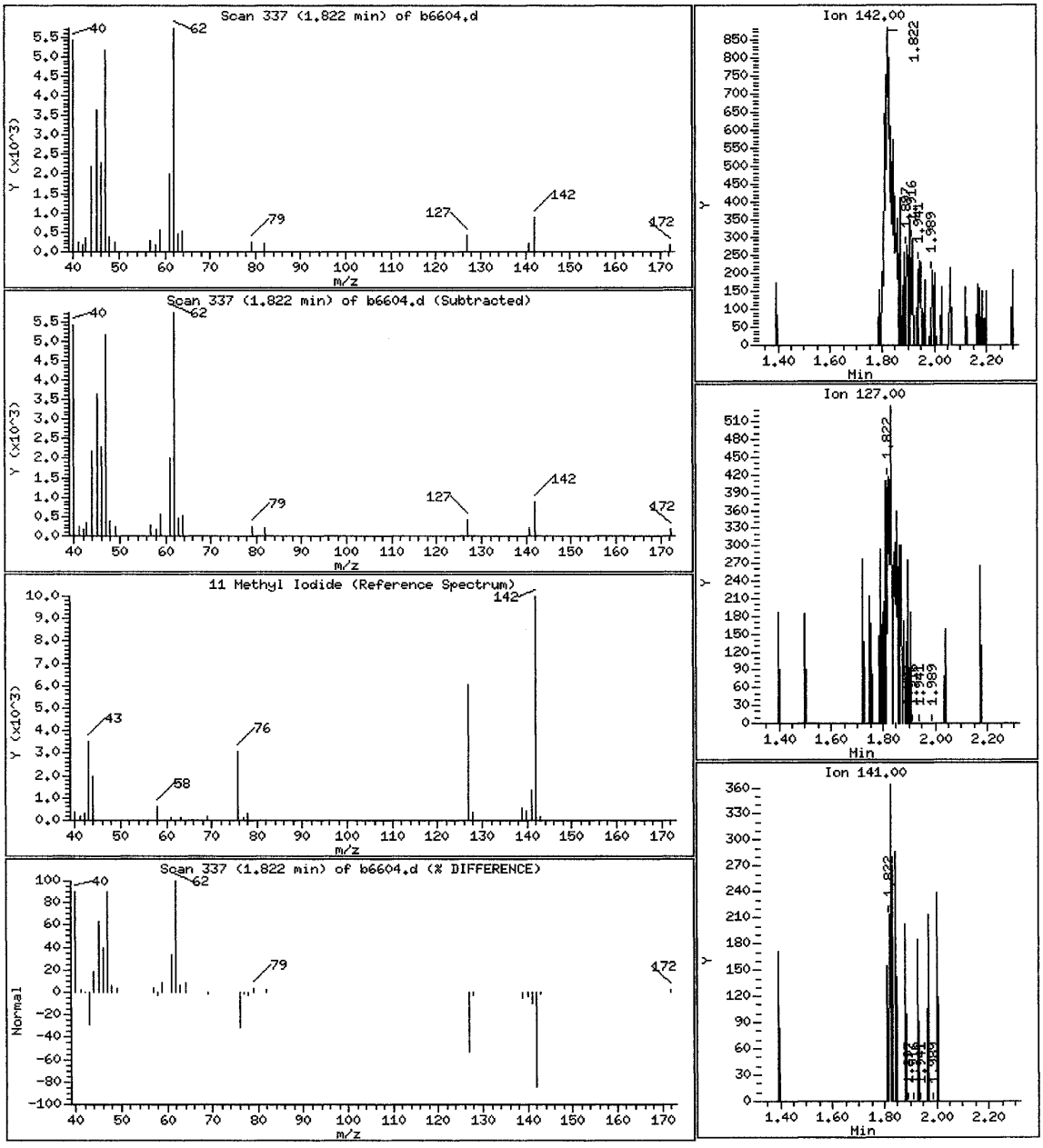
Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53

11 Methyl Iodide

Concentration: 22.9 ug/Kg



Data File: /var/chem/msv6.i/2060811p.s.b/b6604.d

Date : 11-AUG-2006 16:48

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

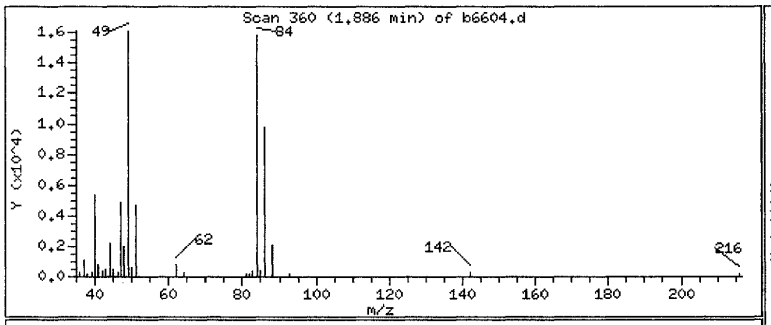
Operator: AJV

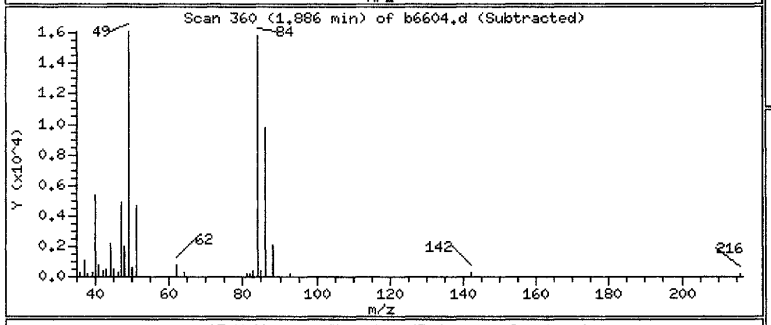
Column phase: DB-624-30M

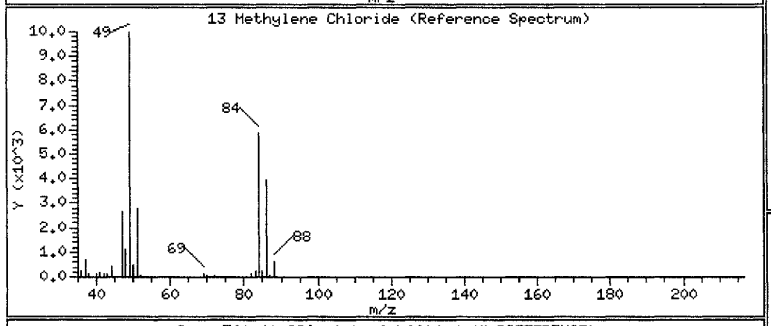
Column diameter: 0.53

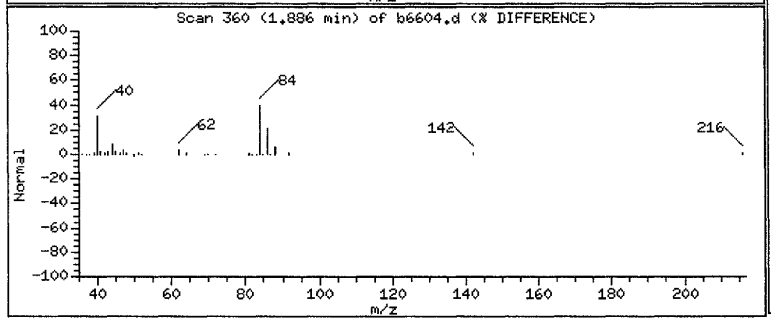
13 Methylene Chloride

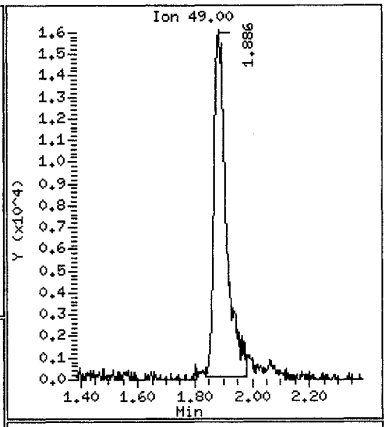
Concentration: 16.4 ug/Kg

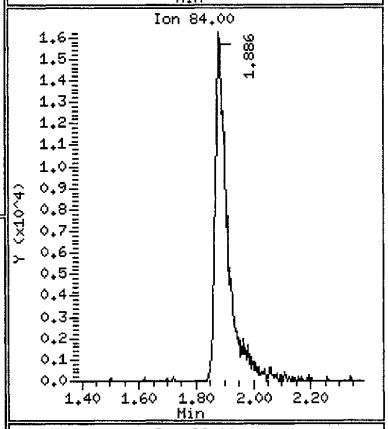


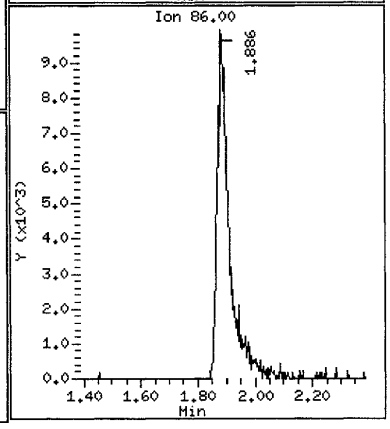












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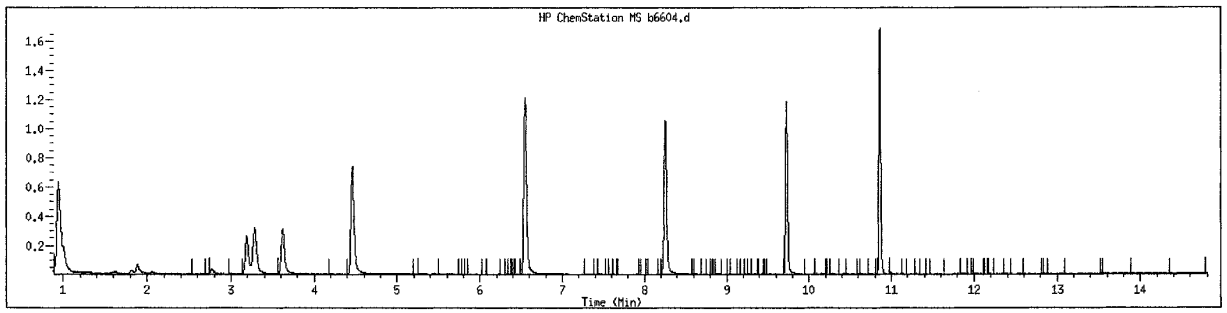
Data file : /var/chem/msv6.i/2060811p.s.b/b6604.d Page: 1
Report Date: 08/14/2006 14:58

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043107 SampleType : SAMPLE
Injection Date: 11-AUG-2006 16:48 Instrument : msv6.i
Operator : AJV
Sample Info : 20608043107*FWPSE03-003-(0-0.5)
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000118

166579

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE03-003-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

Sample wt/vol: 5.16 (g/ml) g

Lab Sample ID: 20608043107

Level: (low/med) LOW

Lab File ID: 2060811/G7245

% Moisture: not dec. 44.4

Date Collected: 08/02/06 Time: 1525

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

Date Received: 08/04/06

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 1251

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.435	U	0.183	0.435
71-36-3	n-Butyl alcohol	2.18	U	0.087	2.18

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7245.d
Lab Smp Id: 20608043107 Client Smp ID: FWPSE03-003-(0-0.5)
Inj Date : 11-AUG-2006 12:51
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043107*FWPSE03-003-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 6
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.16000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

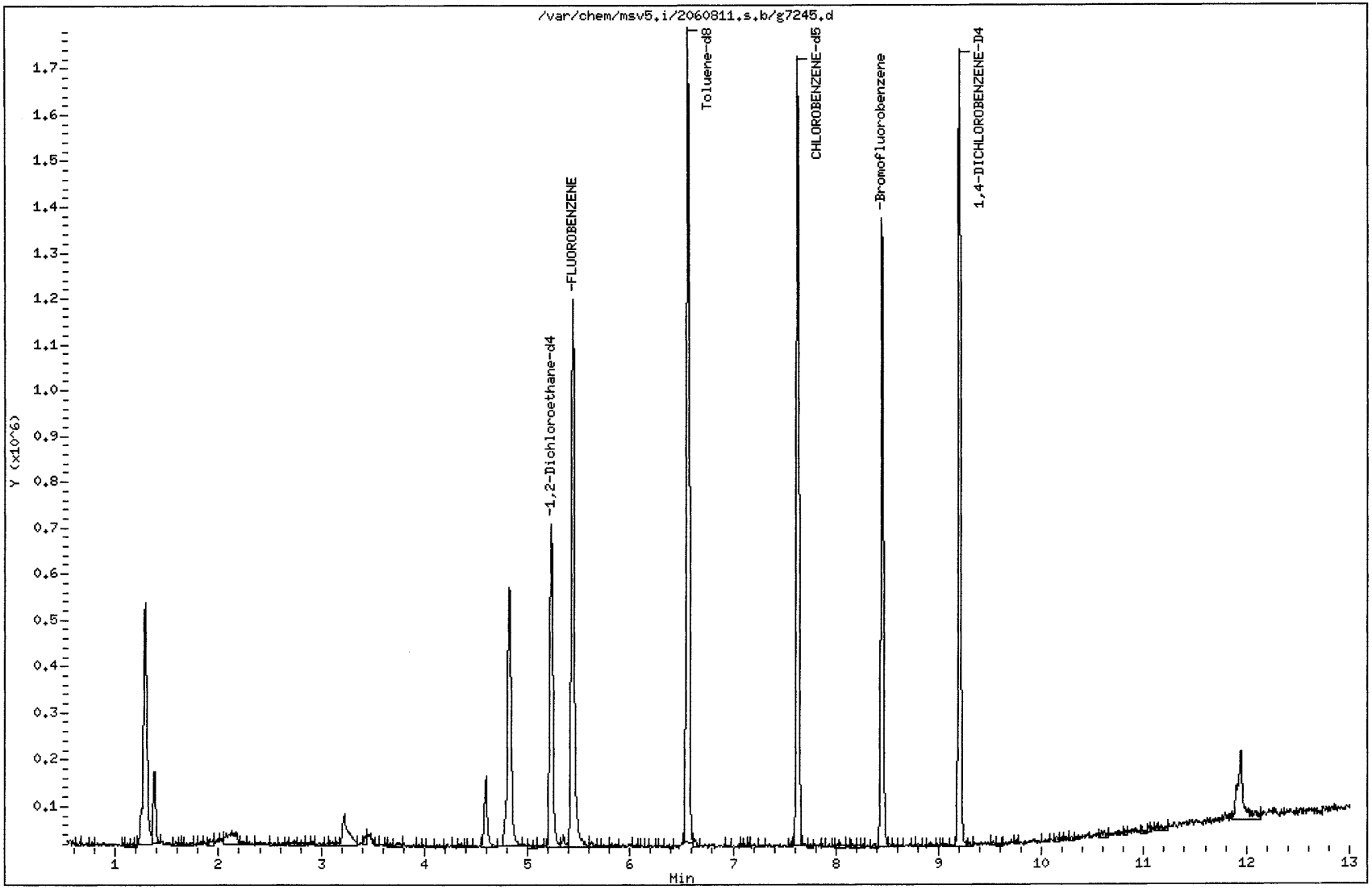
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	17 Methylene Chloride	49	3.225	3.228	(0.593)	58634	4.39033	213	
	18 Acetone	43	3.301	3.292	(0.607)	30525	10.9398	530	
	20 Methyl Acetate	43	3.424	3.427	(0.630)	28653	7.43076	360	3899
	37 Ethyl Acetate	43	4.788	4.780	(0.880)	79150	28.5955	1390	5751
$	39 Dibromofluoromethane	111	4.818	4.818	(0.886)	379701	53.5929	2600	6216
	42 2-Butanone	43	4.788	4.918	(0.880)	79147	22.8921	1110	
$	48 1,2-Dichloroethane-d4	67	5.227	5.229	(0.961)	262040	57.3134	2780	
*	52 FLUOROBENZENE	96	5.439	5.438	(1.000)	932566	50.0000		
$	67 Toluene-d8	98	6.557	6.556	(0.860)	946578	55.8622	2710	
*	83 CHLOROBENZENE-d5	82	7.623	7.619	(1.000)	500784	50.0000		
$	94 Bromofluorobenzene	174	8.454	8.443	(1.109)	283196	54.9586	2660	
*	111 1,4-DICHLOROBENZENE-D4	152	9.198	9.199	(1.000)	343369	50.0000		

166581

000121

Data File: /var/chem/msv5.i/2060811.s.b/g7245.d
Date : 11-AUG-2006 12:51
Client ID: FWPSE03-003-(0-0.5)
Sample Info: 20608043107*FWPSE03-003-(0-0.5)
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: VWM
Column diameter: 0.53



Data File: /var/chem/msv5.i/2060811.s.b/g7245.d

Date : 11-AUG-2006 12:51

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

Purge Volume: 5.0

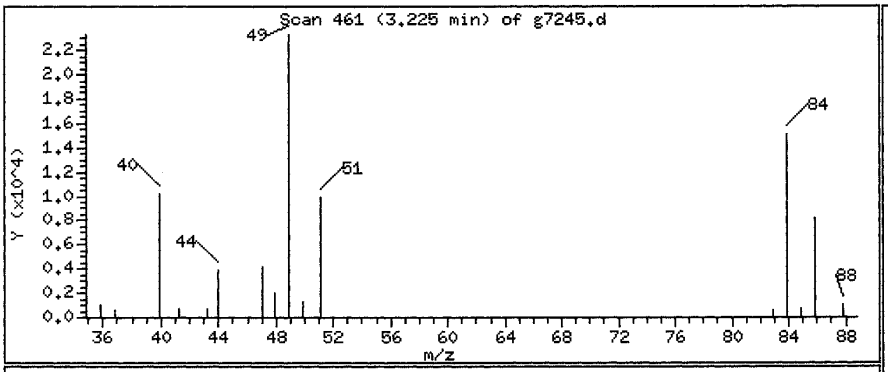
Operator: VWM

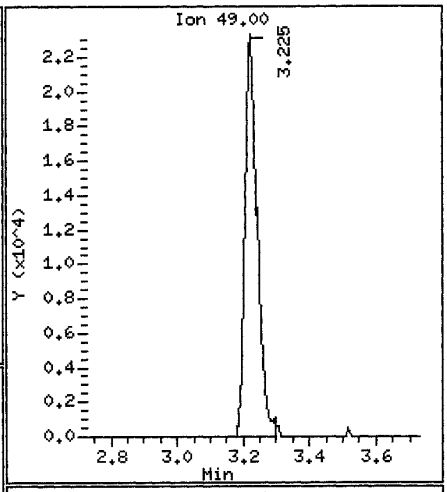
Column phase: DB-VRX-30M

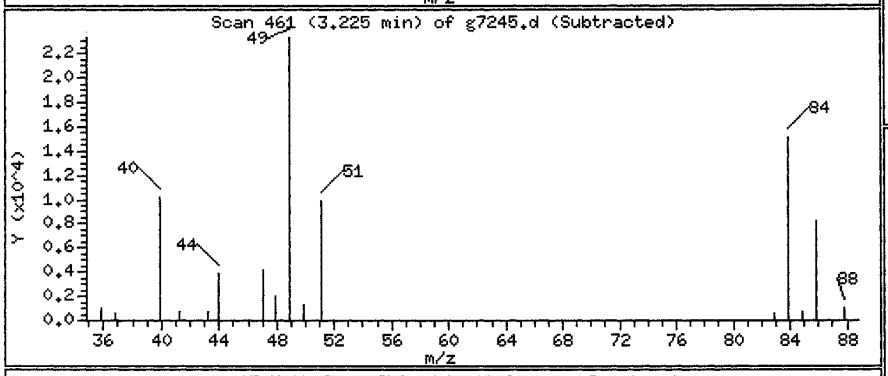
Column diameter: 0.53

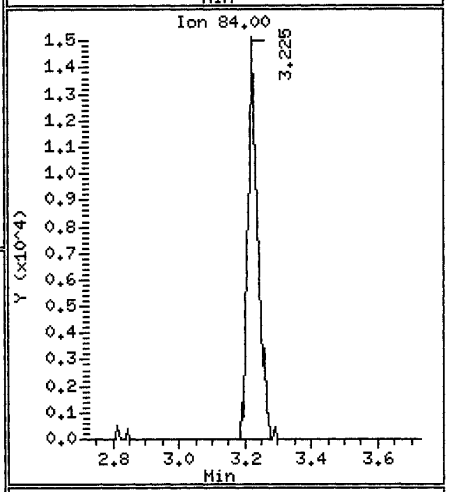
17 Methylene Chloride

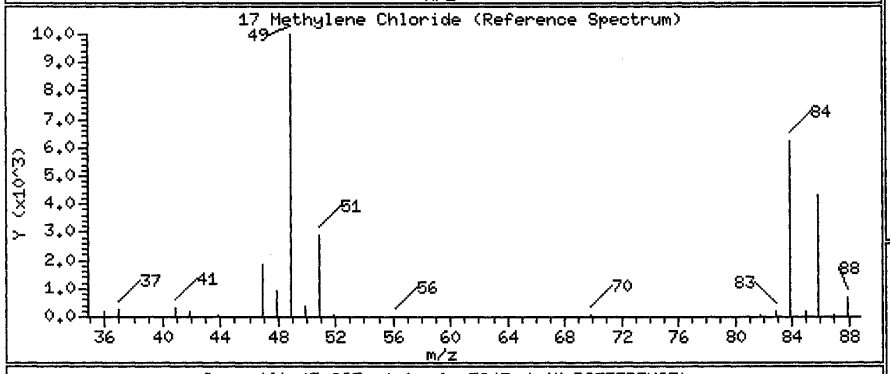
Concentration: 213 UG/KG

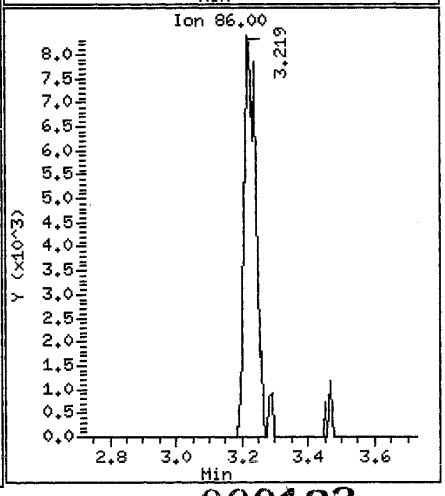


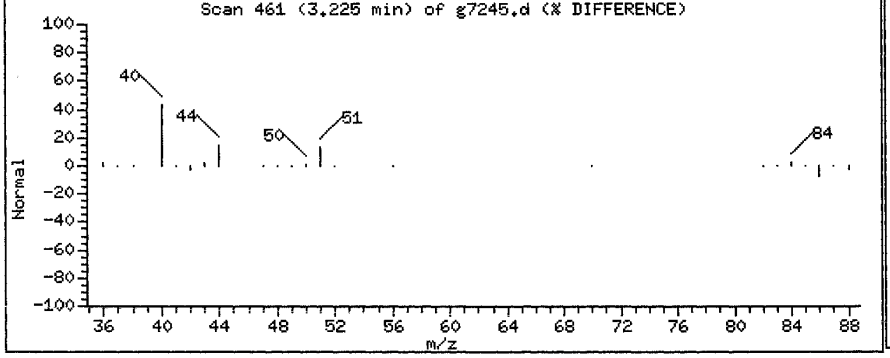












000122

166583

Data File: /var/chem/msv5.i/2060811.s.b/g7245.d

Date : 11-AUG-2006 12:51

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

Purge Volume: 5.0

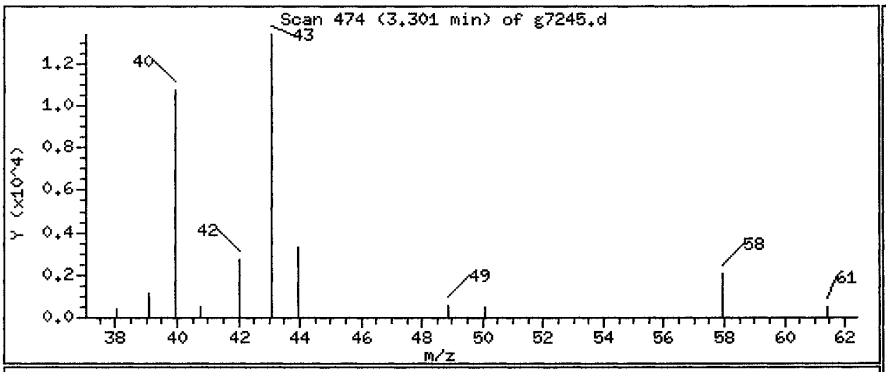
Operator: VWM

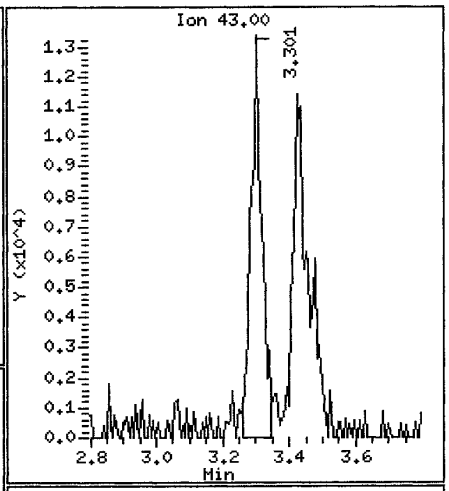
Column phase: DB-VRX-30M

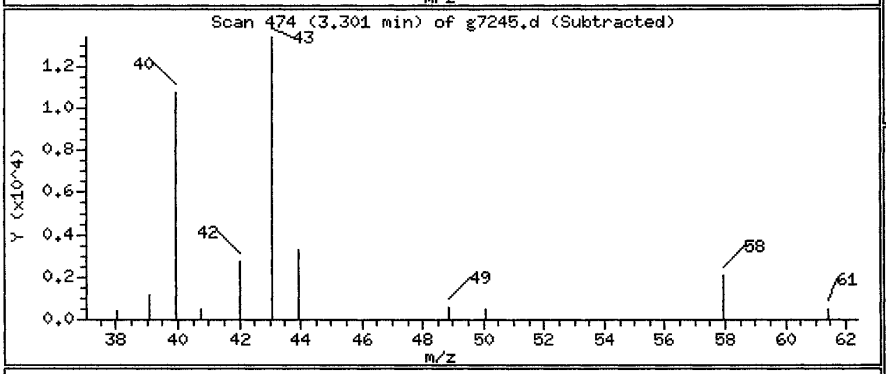
Column diameter: 0.53

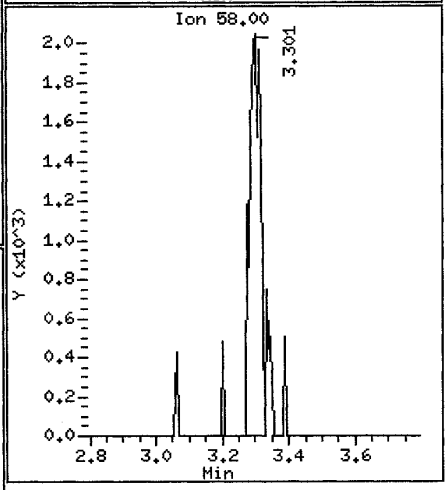
18 Acetone

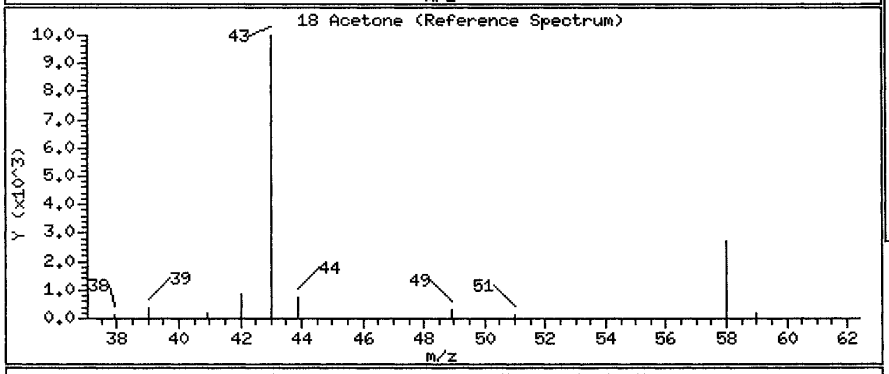
Concentration: 530 UG/KG

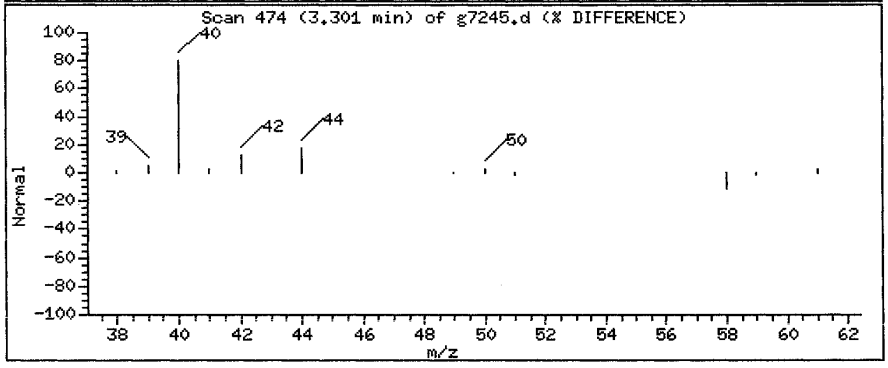












000123

166584

Data File: /var/chem/msv5.i/2060811.s.b/g7245.d

Date : 11-AUG-2006 12:51

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

Purge Volume: 5.0

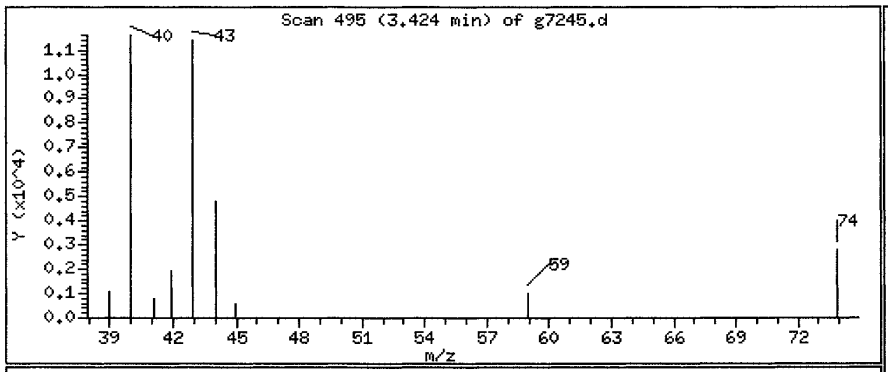
Operator: VWM

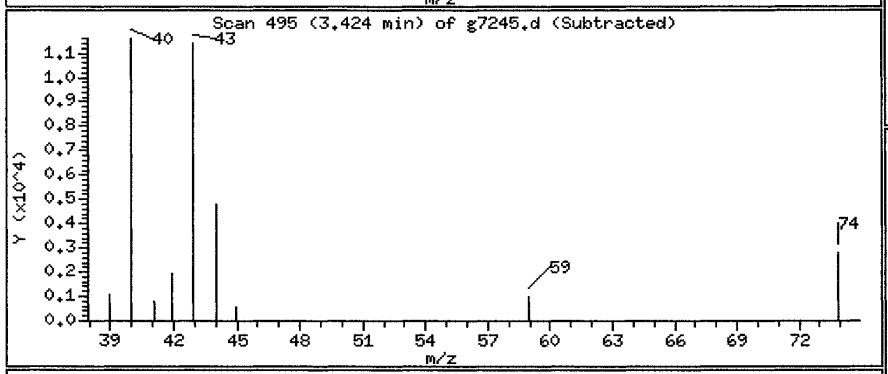
Column phase: DB-VRX-30M

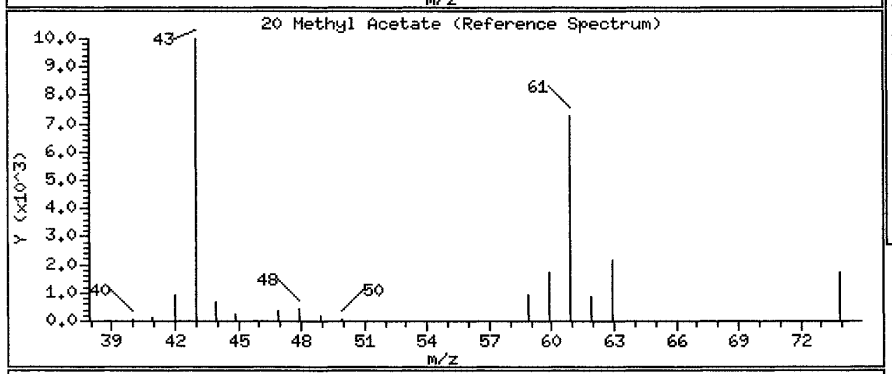
Column diameter: 0.53

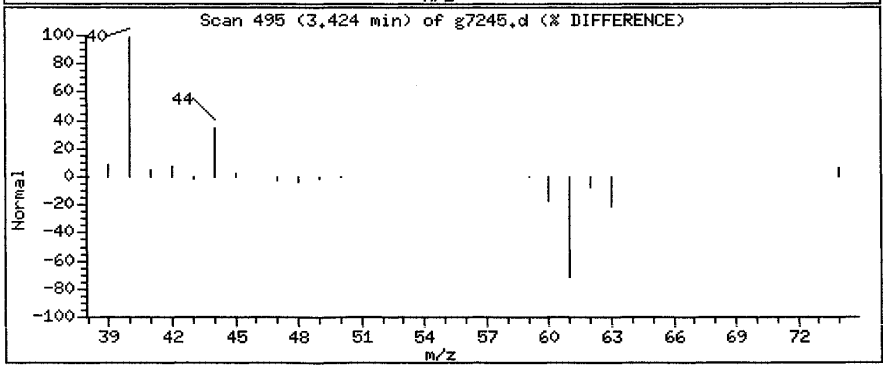
20 Methyl Acetate

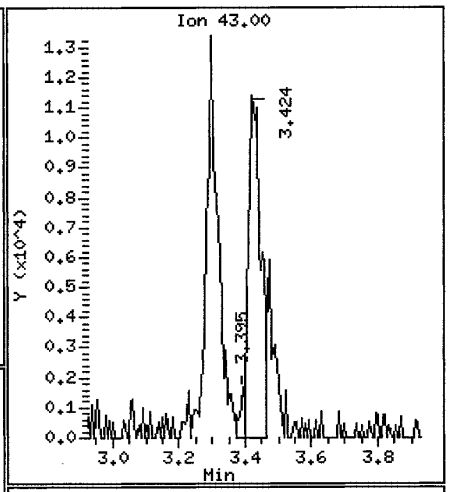
Concentration: 360 UG/KG

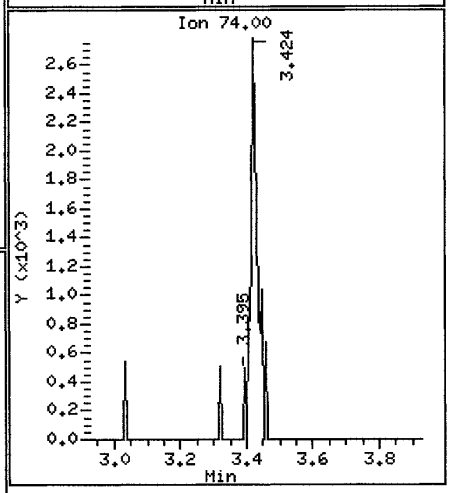












000124

Data File: /var/chem/msv5.i/2060811.s.b/g7245.d

Date : 11-AUG-2006 12:51

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

Purge Volume: 5.0

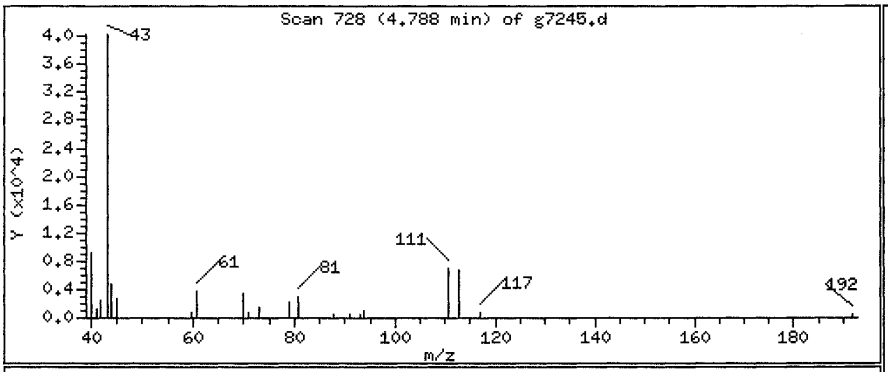
Operator: VWM

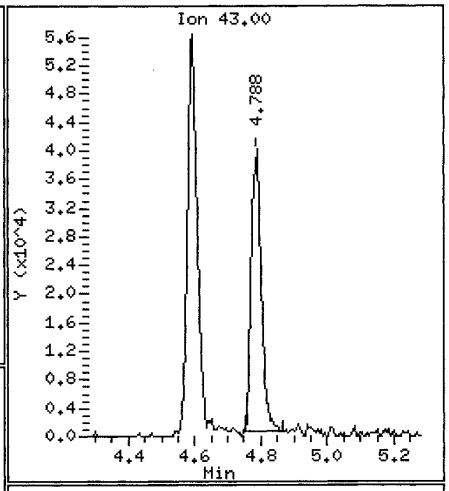
Column phase: DB-VRX-30M

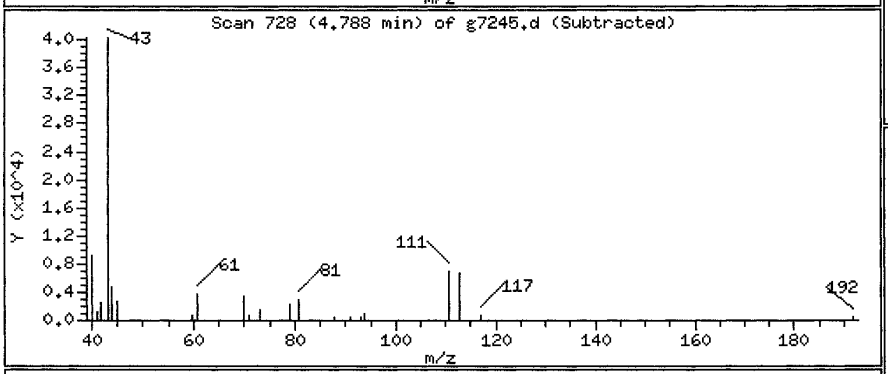
Column diameter: 0.53

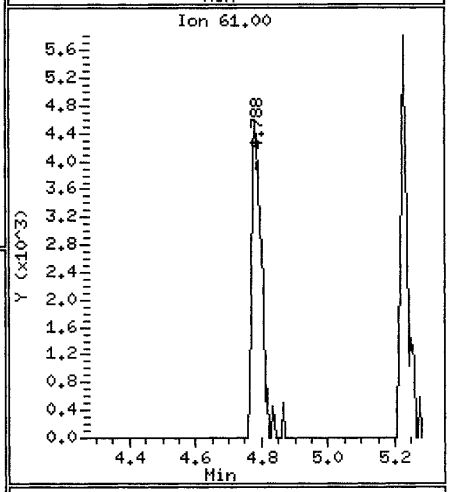
37 Ethyl Acetate

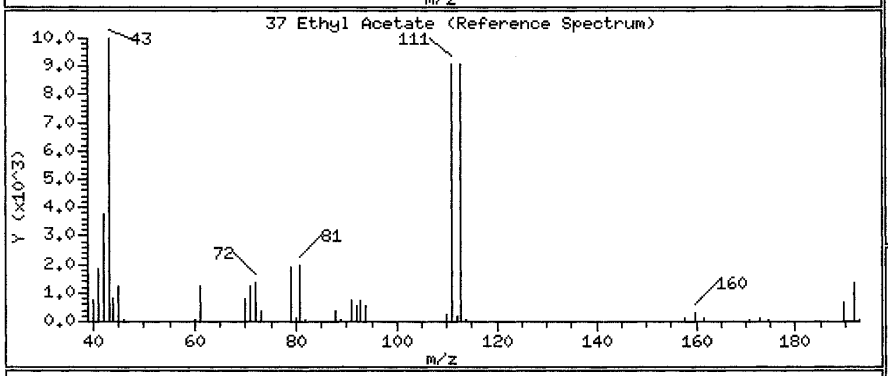
Concentration: 1390 UG/KG

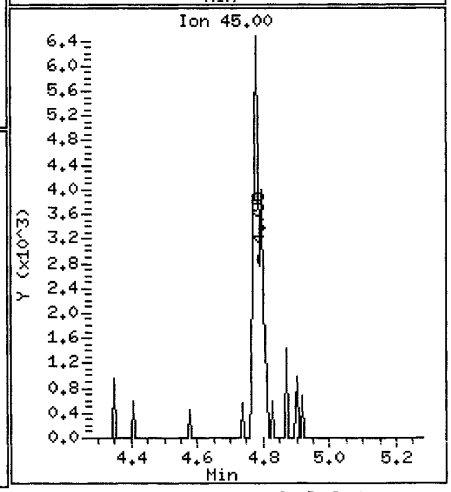


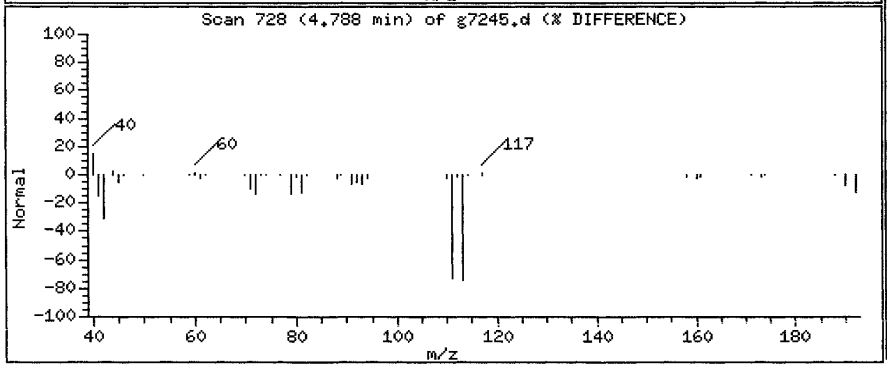












000125

166586

Data File: /var/chem/msv5.i/2060811.s.b/g7245.d

Date : 11-AUG-2006 12:51

Client ID: FWPSE03-003-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043107*FWPSE03-003-(0-0.5)

Purge Volume: 5.0

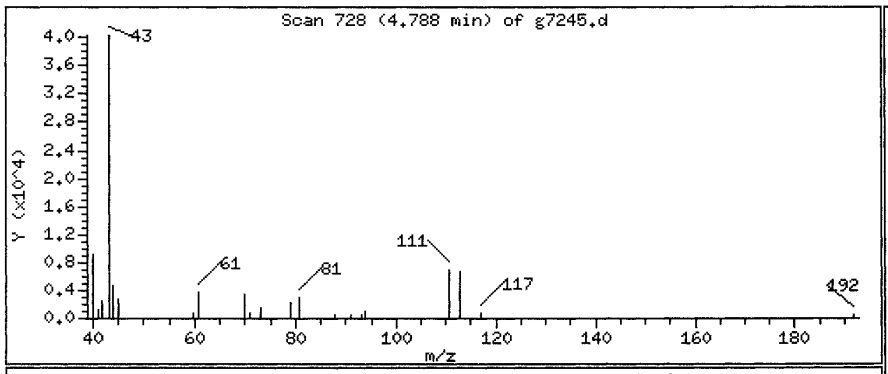
Operator: VWM

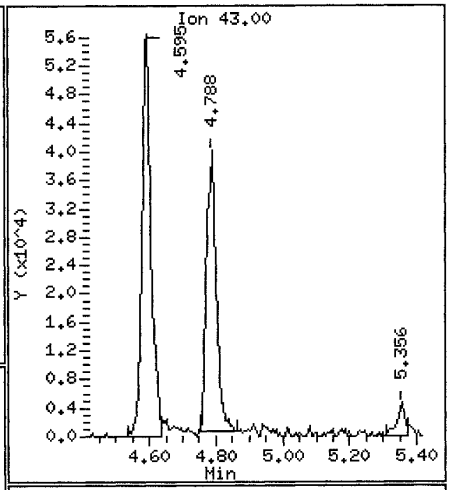
Column phase: DB-VRX-30M

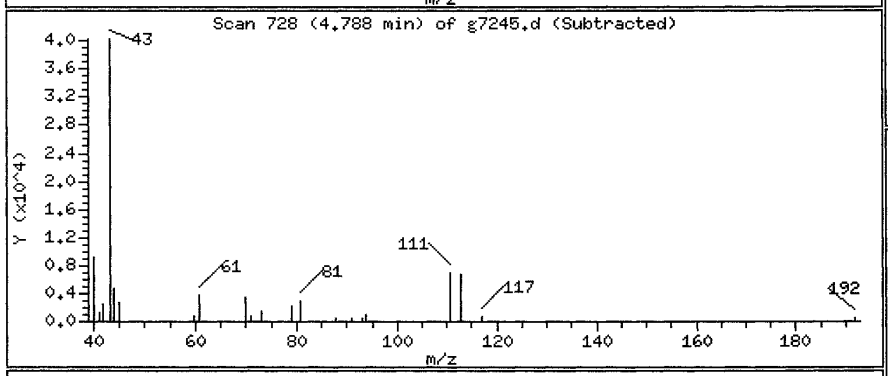
Column diameter: 0.53

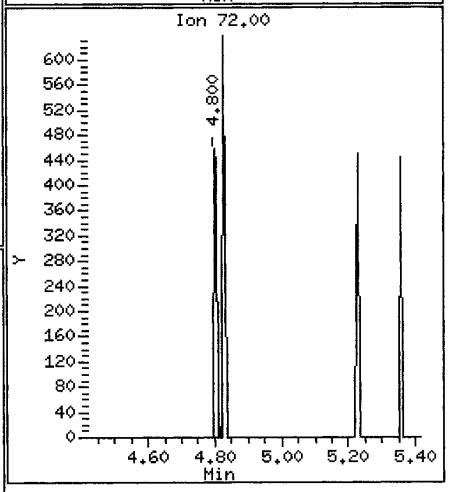
42 2-Butanone

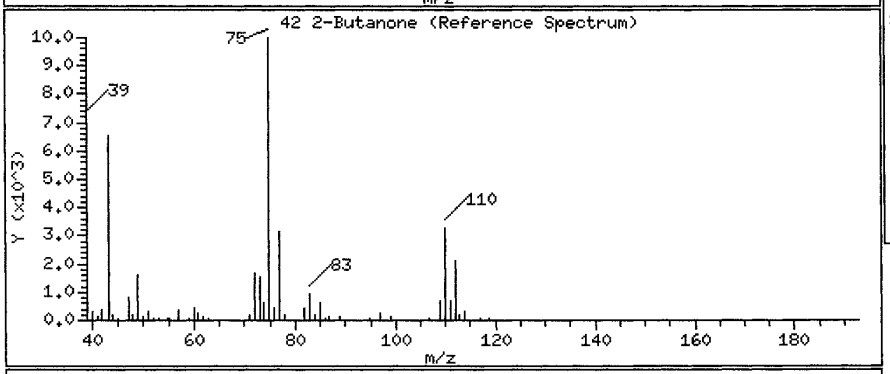
Concentration: 1110 UG/KG

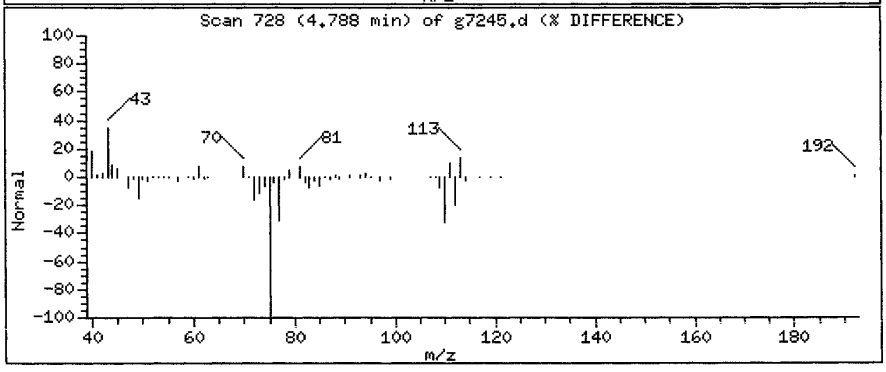










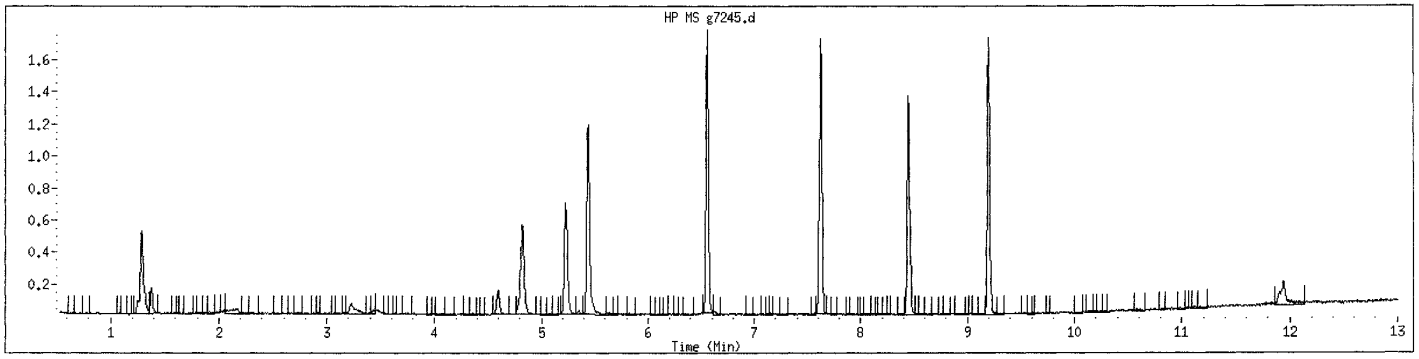


000126

166587

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043107 SampleType : SAMPLE
Injection Date: 11-AUG-2006 12:51 Instrument : msv5.i
Operator : VWM
Sample Info : 20608043107*FWPSE03-003-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

166588

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE05-005-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 46.8

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043108

Lab File ID: 2060811P/B6614

Date Collected: 08/02/06 Time: 1550

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 2111

Dilution Factor: 10 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.094	U	0.00331	0.094
71-55-6	1,1,1-Trichloroethane	0.094	U	0.00231	0.094
79-34-5	1,1,2,2-Tetrachloroethane	0.094	U	0.00338	0.094
79-00-5	1,1,2-Trichloroethane	0.094	U	0.00214	0.094
75-34-3	1,1-Dichloroethane	0.094	U	0.00299	0.094
75-35-4	1,1-Dichloroethene	0.094	U	0.00674	0.094
563-58-6	1,1-Dichloropropene	0.094	U	0.00244	0.094
96-18-4	1,2,3-Trichloropropane	0.038	U	0.00460	0.038
120-82-1	1,2,4-Trichlorobenzene	0.094	U	0.00614	0.094
95-63-6	1,2,4-Trimethylbenzene	0.094	U	0.00372	0.094
96-12-8	1,2-Dibromo-3-chloropropane	0.094	U	0.016	0.094
106-93-4	1,2-Dibromoethane	0.094	U	0.00282	0.094
95-50-1	1,2-Dichlorobenzene	0.094	U	0.00214	0.094
107-06-2	1,2-Dichloroethane	0.094	U	0.00214	0.094
78-87-5	1,2-Dichloropropane	0.094	U	0.00210	0.094
108-67-8	1,3,5-Trimethylbenzene	0.094	U	0.00306	0.094
541-73-1	1,3-Dichlorobenzene	0.094	U	0.00443	0.094
142-28-9	1,3-Dichloropropane	0.094	U	0.00255	0.094
106-46-7	1,4-Dichlorobenzene	0.094	U	0.00791	0.094
594-20-7	2,2-Dichloropropane	0.094	U	0.00331	0.094
78-93-3	2-Butanone	0.094	U	0.00586	0.094
95-49-8	2-Chlorotoluene	0.094	U	0.00282	0.094
591-78-6	2-Hexanone	0.094	U	0.016	0.094
106-43-4	4-Chlorotoluene	0.094	U	0.00610	0.094
99-87-6	4-Isopropyltoluene	0.094	U	0.00302	0.094
108-10-1	4-Methyl-2-pentanone	0.094	U	0.00325	0.094
67-64-1	Acetone	0.470	U	0.00702	0.470
107-02-8	Acrolein	0.470	U	0.044	0.470
107-13-1	Acrylonitrile	0.470	U	0.013	0.470
71-43-2	Benzene	0.094	U	0.00195	0.094
108-86-1	Bromobenzene	0.094	U	0.00441	0.094

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE05-005-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043108

Level: (low/med) LOW

Lab File ID: 2060811P/B6614

% Moisture: not dec. 46.8

Date Collected: 08/02/06 Time: 1550

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 2111

Soil Extract Volume: (µL)

Dilution Factor: 10 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.094	U	0.00254	0.094
75-25-2	Bromoform	0.094	U	0.00317	0.094
74-83-9	Bromomethane	0.031	J	0.028	0.094
104-51-8	n-Butylbenzene	0.094	U	0.00334	0.094
75-15-0	Carbon disulfide	0.094	U	0.00205	0.094
56-23-5	Carbon tetrachloride	0.094	U	0.00225	0.094
108-90-7	Chlorobenzene	0.094	U	0.00310	0.094
75-00-3	Chloroethane	0.094	U	0.011	0.094
67-66-3	Chloroform	0.094	U	0.00265	0.094
74-87-3	Chloromethane	0.094	U	0.00871	0.094
110-82-7	Cyclohexane	0.094	U	0.021	0.094
124-48-1	Dibromochloromethane	0.094	U	0.00169	0.094
74-95-3	Dibromomethane	0.094	U	0.00293	0.094
75-71-8	Dichlorodifluoromethane	0.094	U	0.00684	0.094
10061-01-5	cis-1,3-Dichloropropene	0.094	U	0.00216	0.094
10061-02-6	trans-1,3-Dichloropropene	0.094	U	0.00265	0.094
100-41-4	Ethylbenzene	0.094	U	0.00389	0.094
87-68-3	Hexachlorobutadiene	0.094	U	0.023	0.094
98-82-8	Isopropylbenzene (Cumene)	0.094	U	0.00287	0.094
79-20-9	Methyl Acetate	0.094	U	0.029	0.094
74-88-4	Methyl iodide	0.094	U	0.017	0.094
108-87-2	Methylcyclohexane	0.094	U	0.00695	0.094
75-09-2	Methylene chloride	0.188	U	0.00900	0.188
91-20-3	Naphthalene	0.094	U	0.00706	0.094
100-42-5	Styrene	0.094	U	0.00285	0.094
127-18-4	Tetrachloroethene	0.094	U	0.00361	0.094
108-88-3	Toluene	0.094	U	0.010	0.094
79-01-6	Trichloroethene	0.094	U	0.00332	0.094
75-69-4	Trichlorofluoromethane	0.094	U	0.00473	0.094
76-13-1	Trichlorotrifluoroethane	0.094	U	0.00353	0.094
108-05-4	Vinyl acetate	0.094	U	0.018	0.094
75-01-4	Vinyl chloride	0.094	U	0.00659	0.094

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE05-005-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 46.8

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043108

Lab File ID: 2060811P/B6614

Date Collected: 08/02/06 Time: 1550

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 2111

Dilution Factor: 10 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.188	U	0.011	0.188
156-59-2	cis-1,2-Dichloroethene	0.094	U	0.00237	0.094
136777-61-	m,p-Xylene	0.094	U	0.00747	0.094
103-65-1	n-Propylbenzene	0.094	U	0.00263	0.094
95-47-6	o-Xylene	0.094	U	0.00327	0.094
135-98-8	sec-Butylbenzene	0.094	U	0.00220	0.094
1634-04-4	tert-Butyl methyl ether (MTBE)	0.094	U	0.00139	0.094
98-06-6	tert-Butylbenzene	0.094	U	0.00473	0.094
156-60-5	trans-1,2-Dichloroethene	0.094	U	0.00308	0.094
110-57-6	trans-1,4-Dichloro-2-butene	0.094	U	0.014	0.094

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6614.d
Lab Smp Id: 20608043108 Client Smp ID: FWPSE05-005-(0-0.5)
Inj Date : 11-AUG-2006 21:11
Operator : AJV Inst ID: msv6.i
Smp Info : 20608043108*FWPSE05-005-(0-0.5)
Misc Info : MSV~8854~*10*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 54
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	10.00000	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
4 Bromomethane	94	1.292	1.289	(0.290)	7325	1.65405	16.5	4104(a)
$ 28 Dibromofluoromethane	111	3.188	3.188	(0.715)	241361	52.7471	527	5882
$ 31 1,2-Dichloroethane-d4	67	3.623	3.615	(0.813)	183914	54.4220	544	9445
* 41 FLUOROBENZENE	96	4.457	4.462	(1.000)	961511	50.0000		9529
$ 68 Toluene-d8	98	6.551	6.551	(0.794)	1047892	58.8403	588	9588
* 85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	462787	50.0000		9549
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	267669	51.8350	518	9390
* 116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	310559	50.0000		9642

QC Flag Legend

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

000132

Data File: /var/chem/msv6.i/2060811p.s.b/b6614.d

Page 1

Date : 11-AUG-2006 21:11

Client ID: FWPSE05-005-(0-0.5)

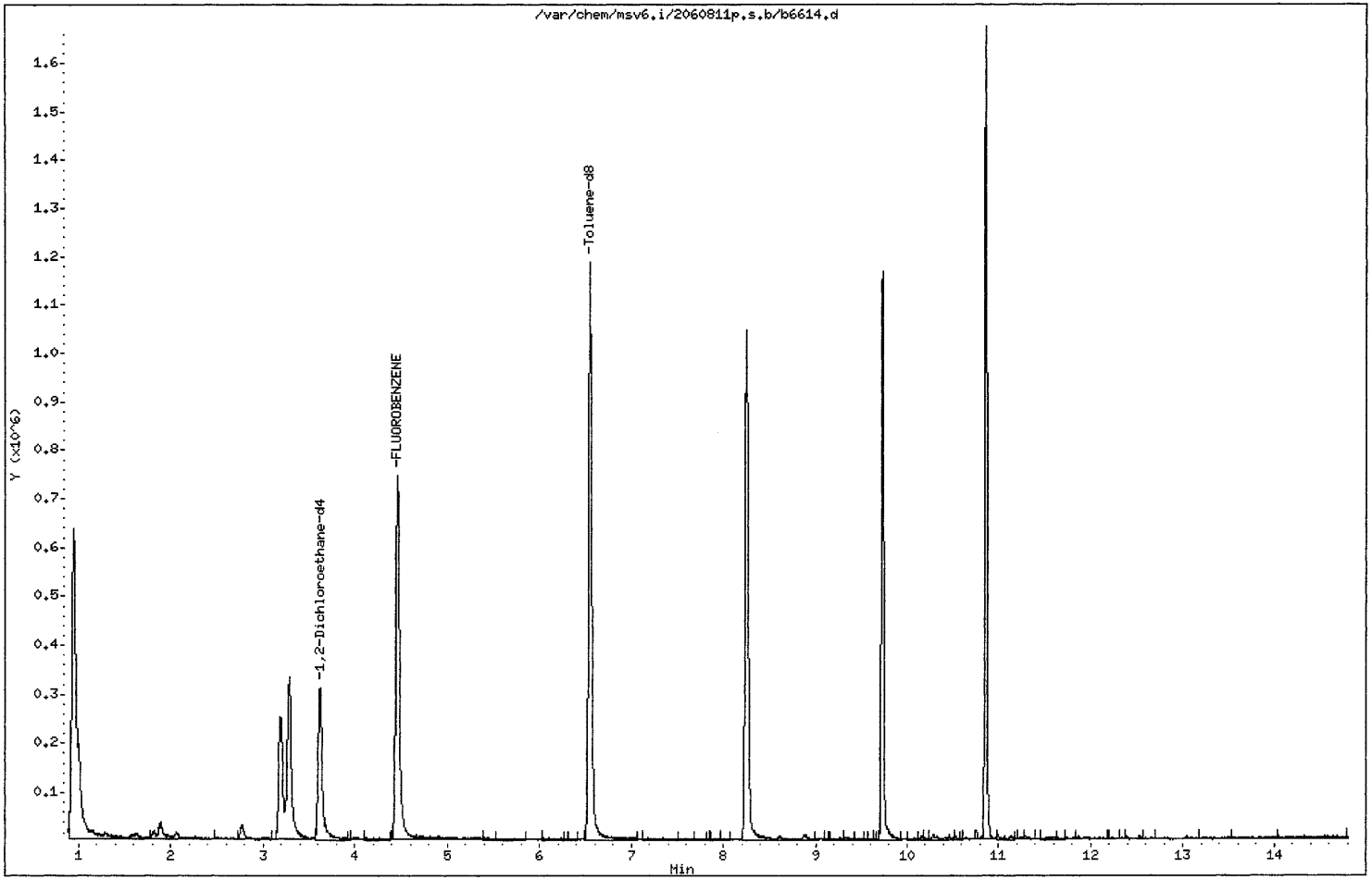
Instrument: msv6.i

Sample Info: 20608043108*FWPSE05-005-(0-0.5)

Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53



166593

Data File: /var/chem/msv6.i/2060811p.s.b/b6614.d

Date : 11-AUG-2006 21:11

Client ID: FWPSE05-005-(0-0.5)

Instrument: msv6.i

Sample Info: 20608043108*FWPSE05-005-(0-0.5)

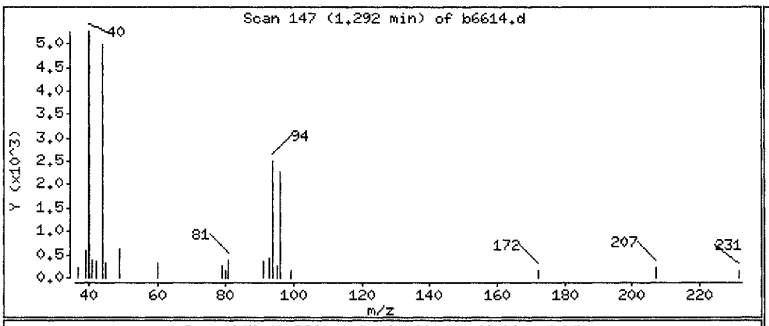
Operator: AJV

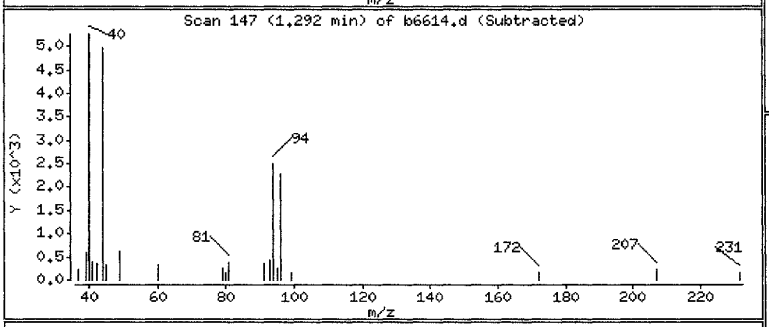
Column phase: DB-624-30M

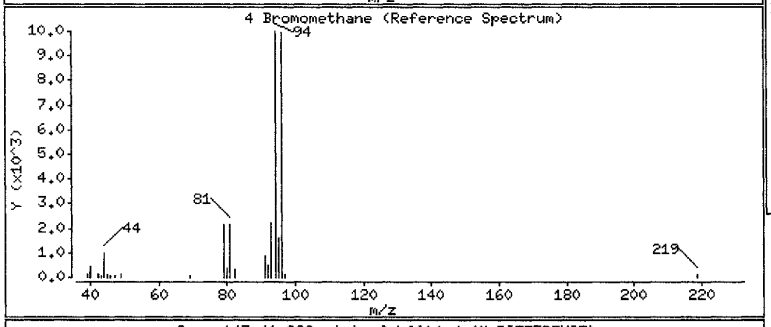
Column diameter: 0.53

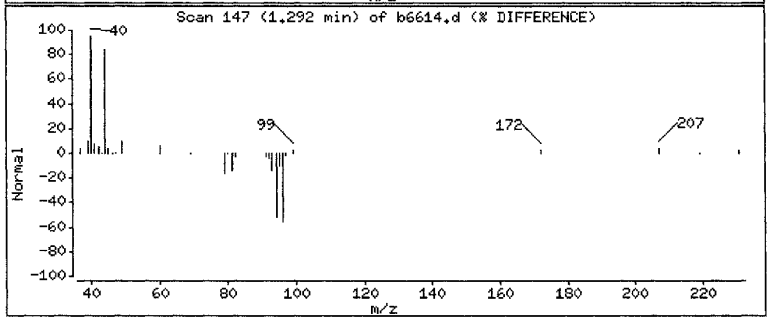
4 Bromomethane

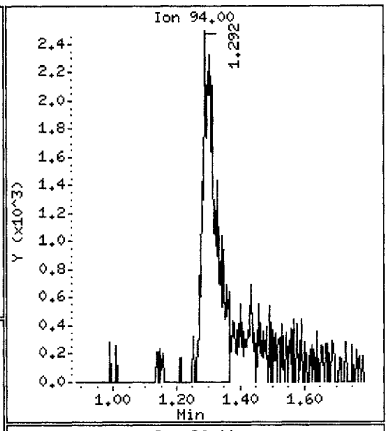
Concentration: 16.5 ug/Kg

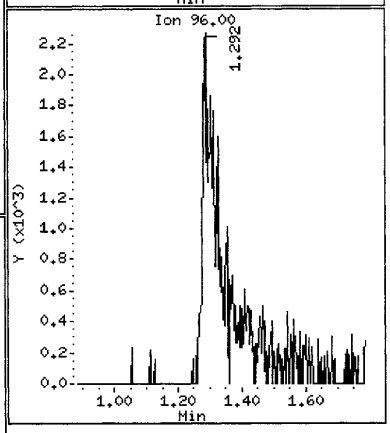








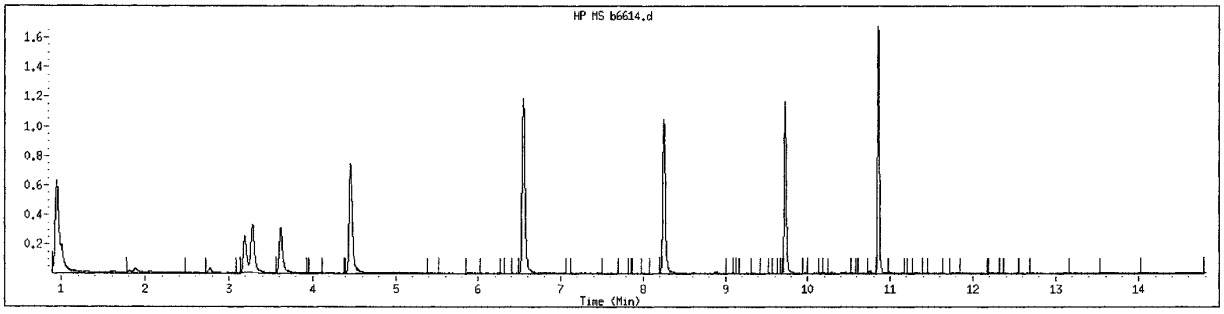




Data file : /var/chem/msv6.i/2060811p.s.b/b6614.d Page: 1
Report Date: 08/12/2006 11:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043108 SampleType : SAMPLE
Injection Date: 11-AUG-2006 21:11 Instrument : msv6.i
Operator : AJV
Sample Info : 20608043108*FWPSE05-005-(0-0.5)
Misc Info : MSV~8854~*10*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 10.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE05-005-(0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043108

Level: (low/med) LOW

Lab File ID: 2060811/G7246

% Moisture: not dec. 46.8

Date Collected: 08/02/06 Time: 1550

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

Date Received: 08/04/06

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 1316

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.469	U	0.197	0.469
71-36-3	n-Butyl alcohol	2.34	U	0.094	2.34

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7246.d
Lab Smp Id: 20608043108 Client Smp ID: FWPSE05-005-(0-0.5)
Inj Date : 11-AUG-2006 13:16
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043108*FWPSE05-005-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 7
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.01000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

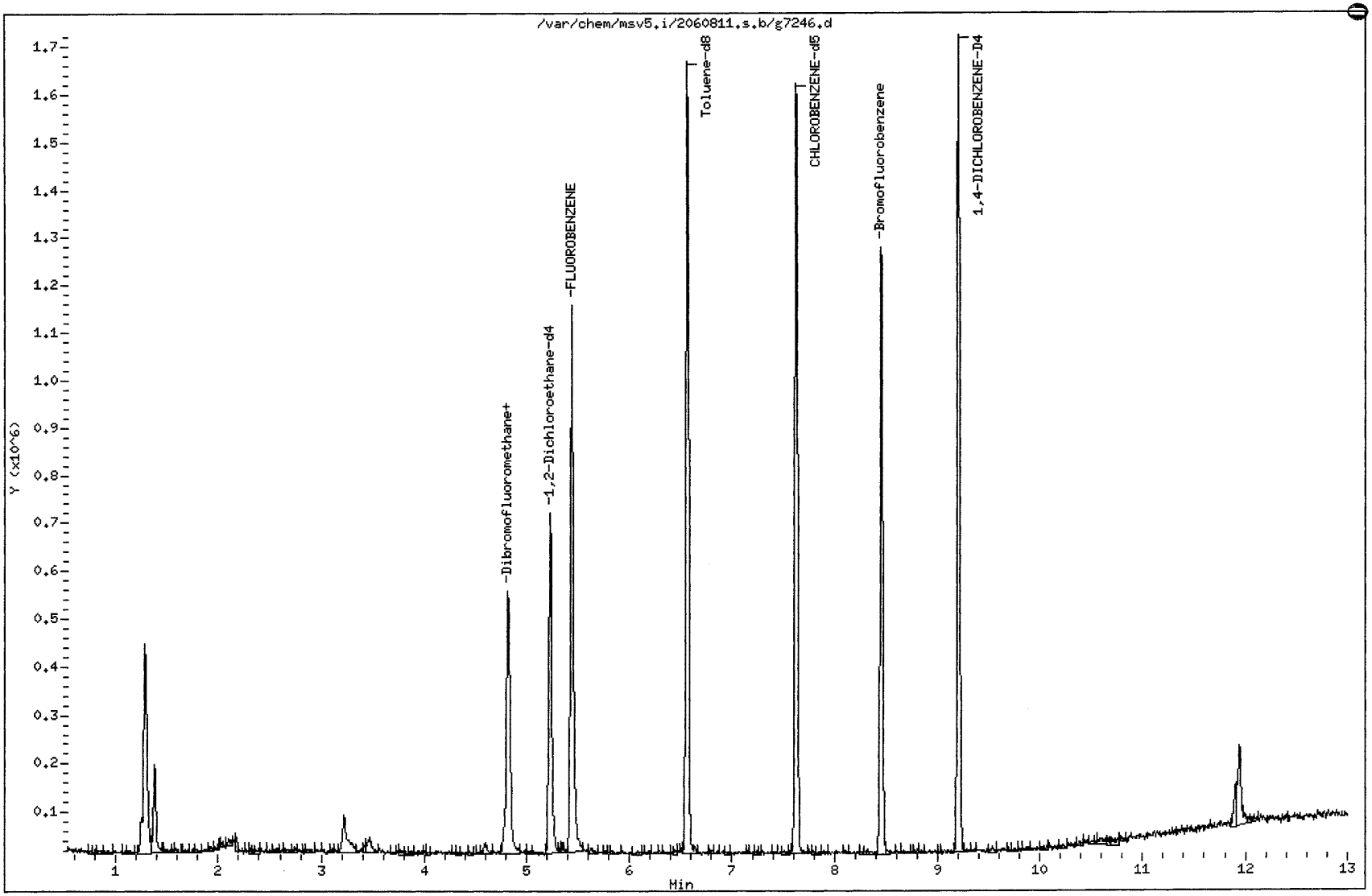
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
17 Methylene Chloride	49	3.219	3.228	(0.592)	62813	5.38258	269	
18 Acetone	43	3.301	3.292	(0.607)	32503	12.5913	628	
20 Methyl Acetate	43	3.424	3.427	(0.630)	36170	9.82905	490	3837
37 Ethyl Acetate	43	4.788	4.780	(0.880)	80534	30.4878	1520	5056
$ 39 Dibromofluoromethane	111	4.817	4.818	(0.886)	365374	54.0385	2700	6210
$ 48 1,2-Dichloroethane-d4	67	5.227	5.229	(0.961)	254823	58.4019	2910	
* 52 FLUOROBENZENE	96	5.439	5.438	(1.000)	889979	50.0000		
$ 67 Toluene-d8	98	6.557	6.556	(0.860)	911890	54.9955	2740	
* 83 CHLOROBENZENE-d5	82	7.623	7.619	(1.000)	490035	50.0000		
$ 94 Bromofluorobenzene	174	8.454	8.443	(1.109)	253249	50.2250	2510	
* 111 1,4-DICHLOROBENZENE-D4	152	9.198	9.199	(1.000)	337052	50.0000		

166597

Data File: /var/chem/msv5.i/2060811.s.b/g7246.d
Date : 11-AUG-2006 13:16
Client ID: FWPSE05-005-(0-0.5)
Sample Info: 20608043108*FWPSE05-005-(0-0.5)
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: VWM
Column diameter: 0.53

000137



166598

Data File: /var/chem/msv5.i/2060811.s.b/g7246.d

Date : 11-AUG-2006 13:16

Client ID: FWPSE05-005-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043108*FWPSE05-005-(0-0.5)

Purge Volume: 5.0

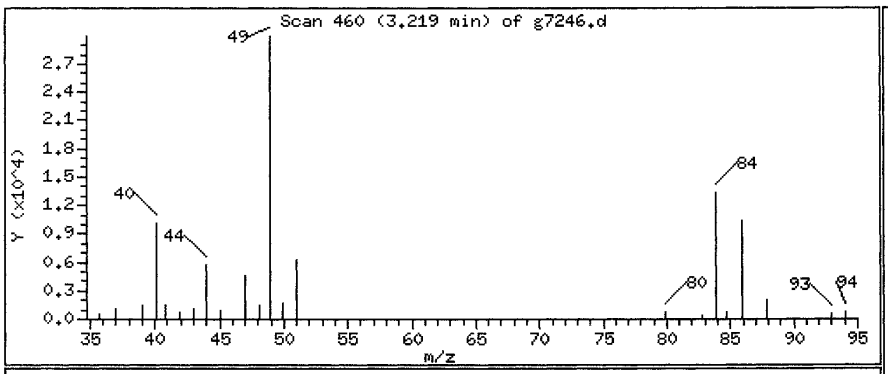
Operator: VWM

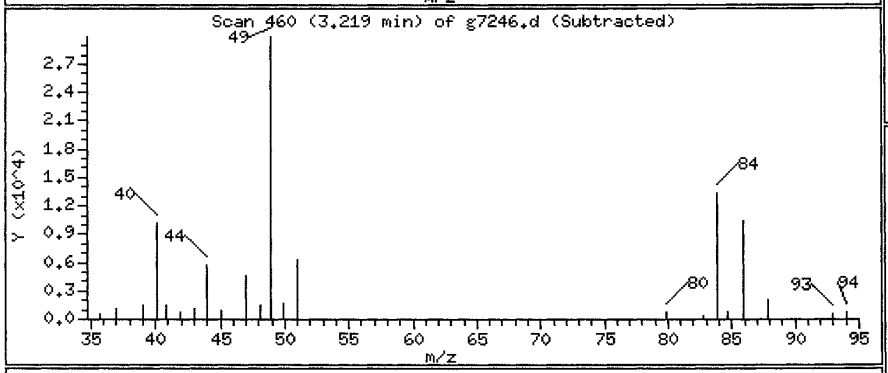
Column phase: DB-VRX-30M

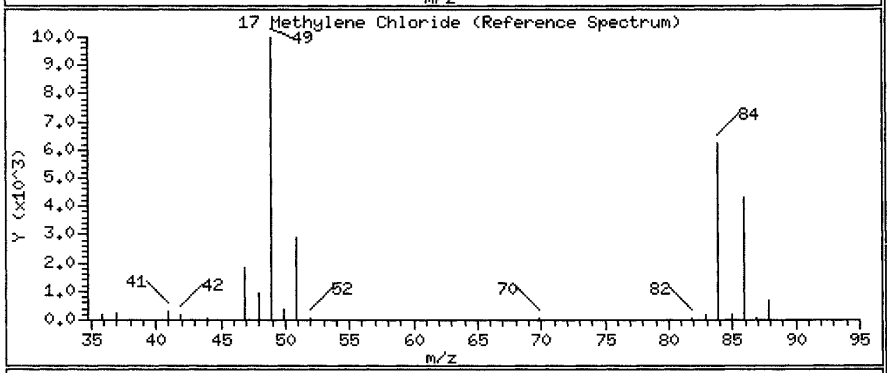
Column diameter: 0.53

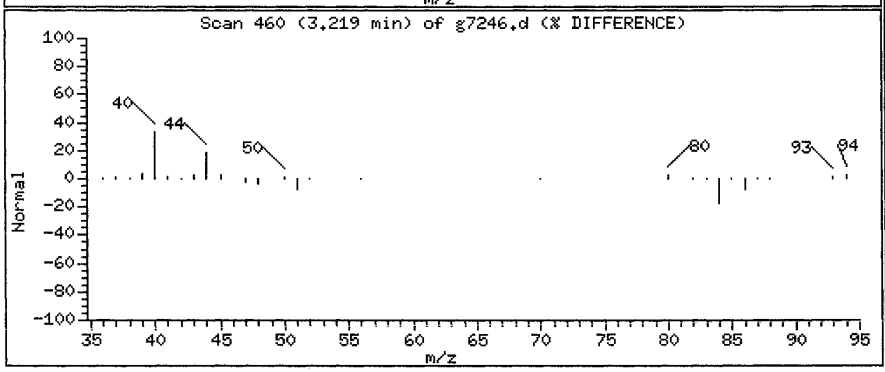
17 Methylene Chloride

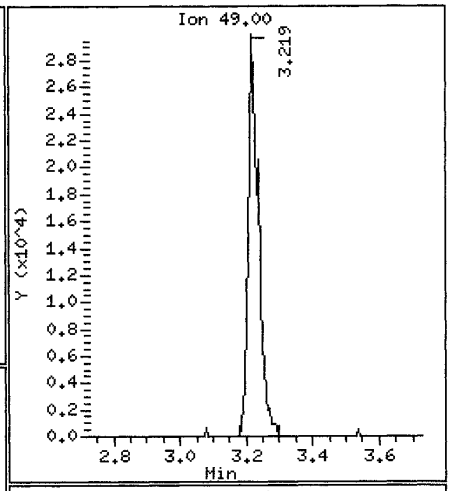
Concentration: 269 UG/KG

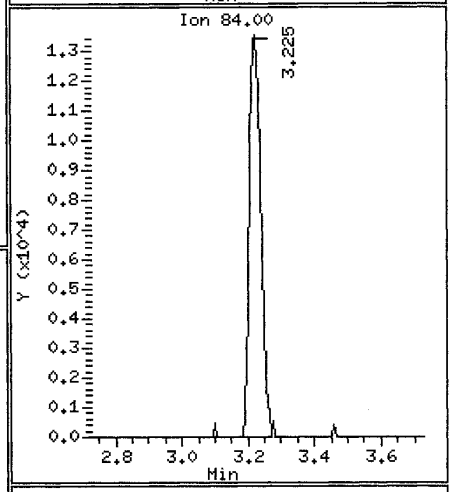


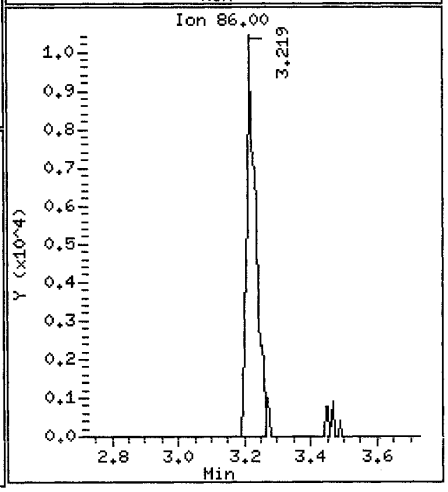












166599

Data File: /var/chem/msv5.i/2060811.s.b/g7246.d

Date : 11-AUG-2006 13:16

Client ID: FWPSE05-005-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043108*FWPSE05-005-(0-0.5)

Purge Volume: 5.0

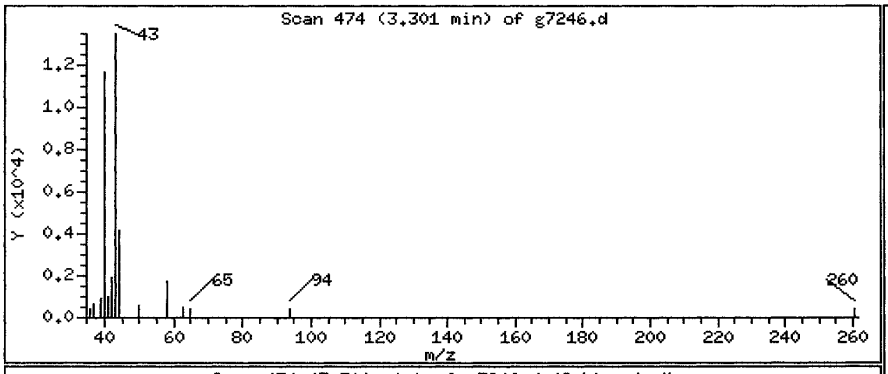
Operator: VWM

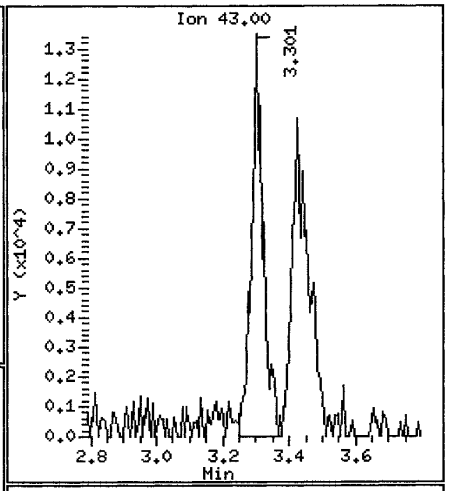
Column phase: DB-VRX-30M

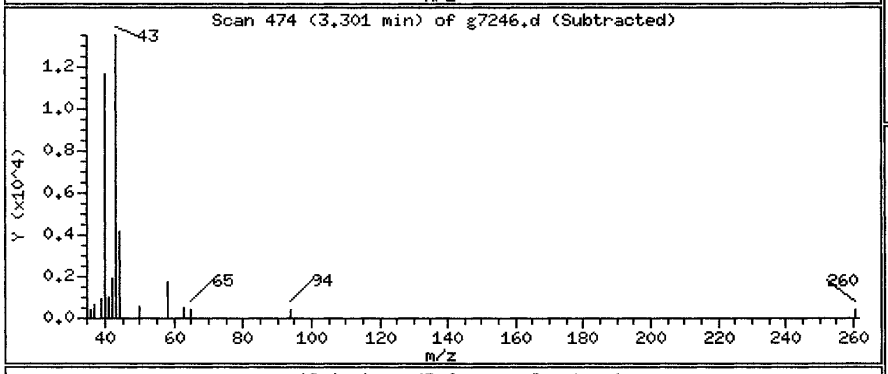
Column diameter: 0.53

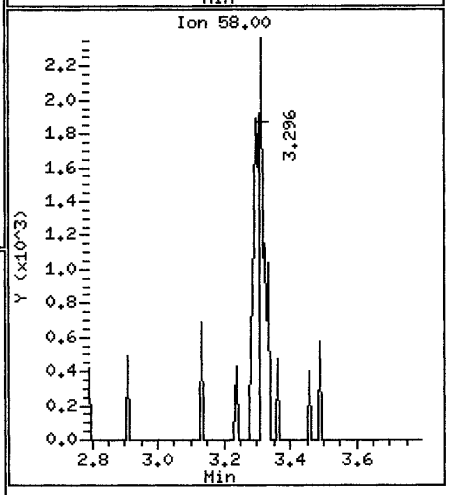
18 Acetone

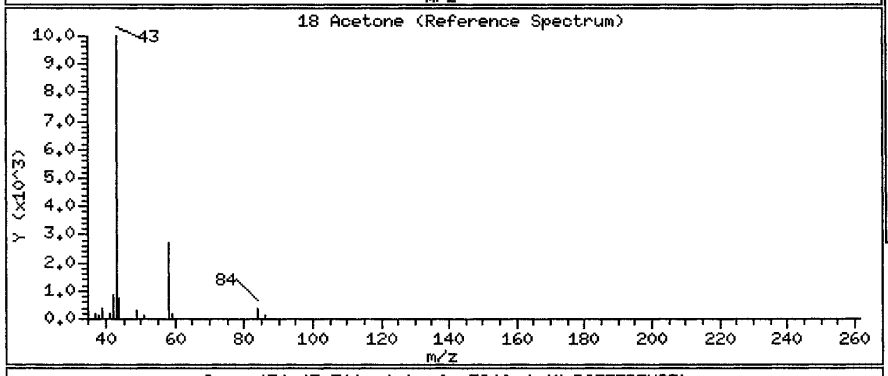
Concentration: 628 UG/KG

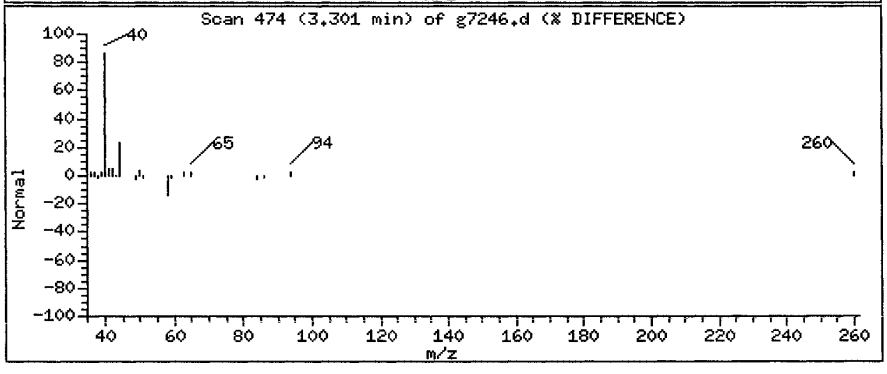












000139

166600

Data File: /var/chem/msv5.i/2060811.s.b/g7246.d

Date : 11-AUG-2006 13:16

Client ID: FWPSE05-005-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043108*FWPSE05-005-(0-0.5)

Purge Volume: 5.0

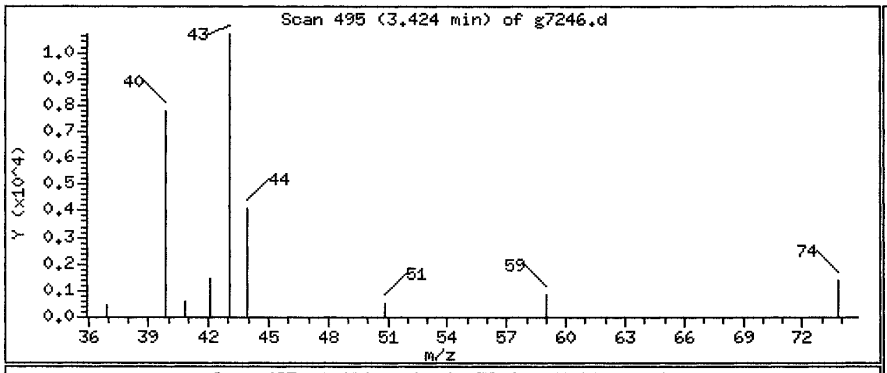
Operator: VWM

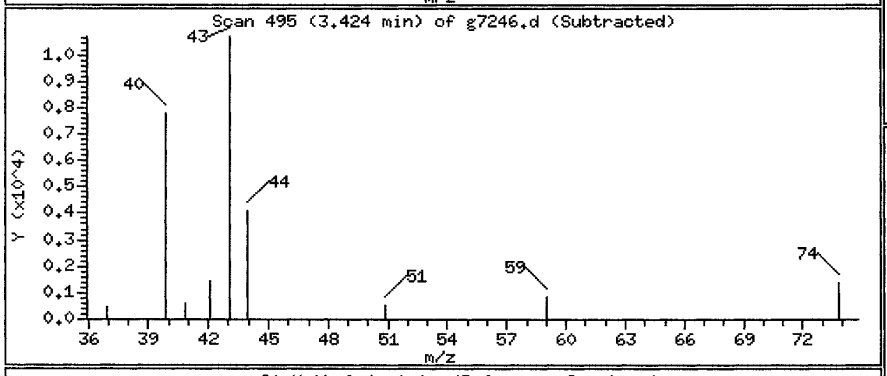
Column phase: DB-VRX-30M

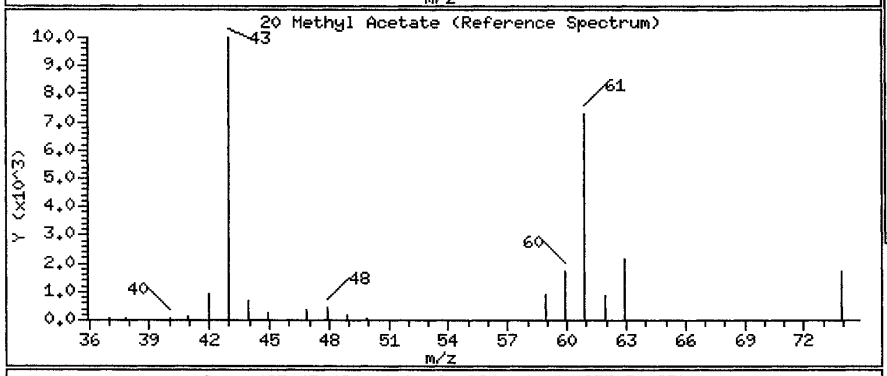
Column diameter: 0.53

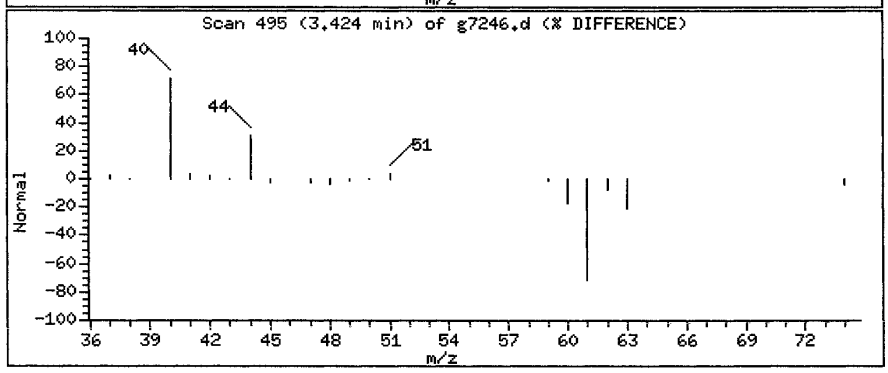
20 Methyl Acetate

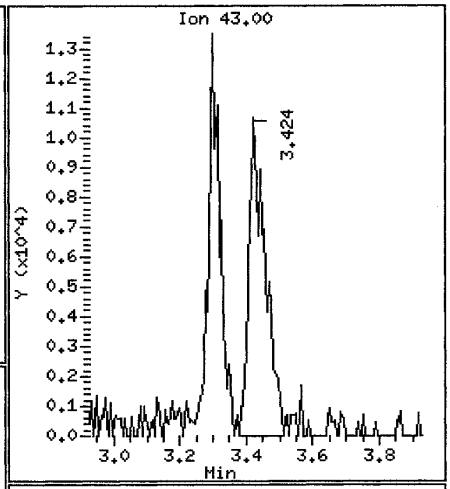
Concentration: 490 UG/KG

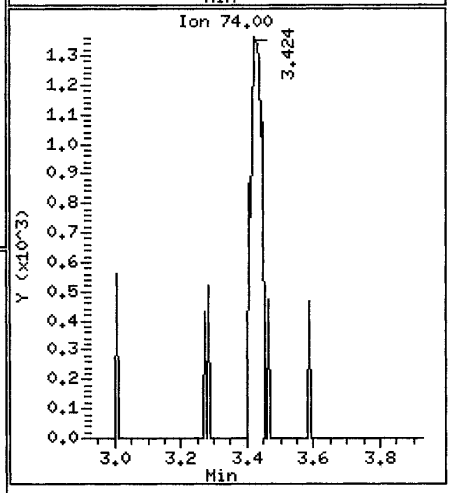












166601

Data File: /var/chem/msv5.i/2060811.s.b/g7246.d

Date : 11-AUG-2006 13:16

Client ID: FWPSE05-005-(0-0.5)

Instrument: msv5.i

Sample Info: 20608043108*FWPSE05-005-(0-0.5)

Purge Volume: 5.0

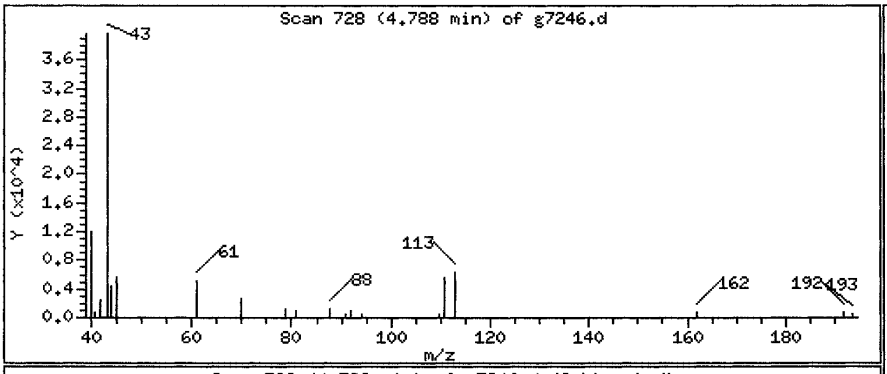
Operator: VWM

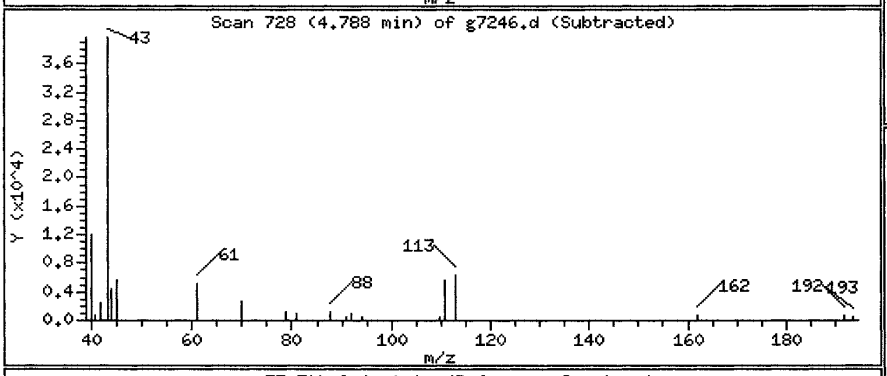
Column phase: DB-VRX-30M

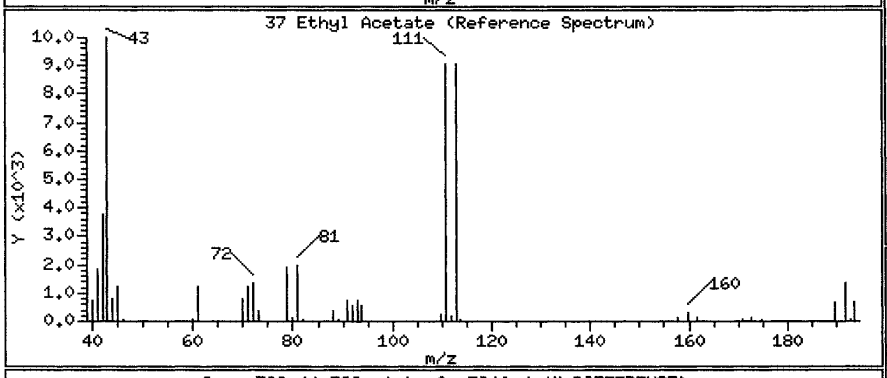
Column diameter: 0.53

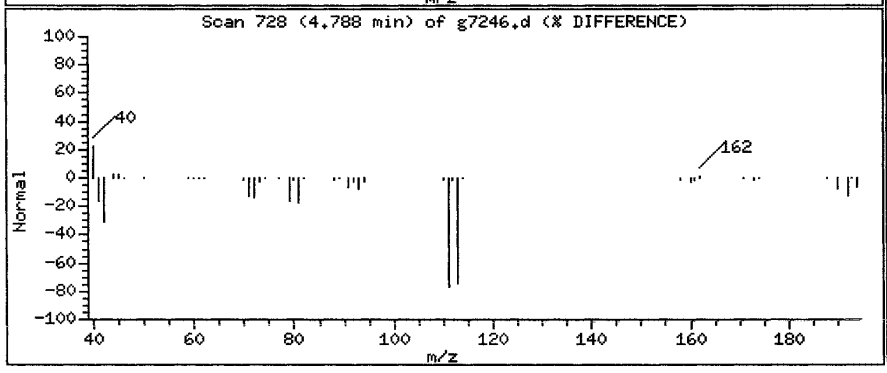
37 Ethyl Acetate

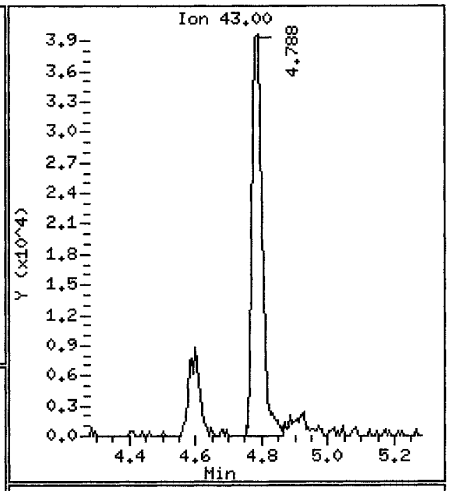
Concentration: 1520 UG/KG

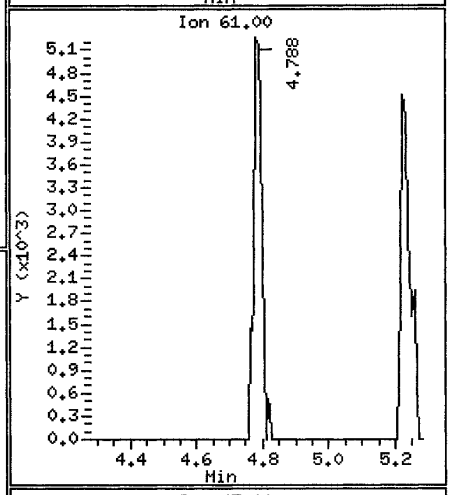


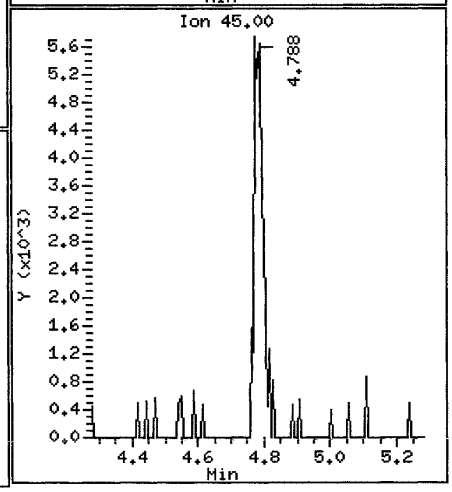










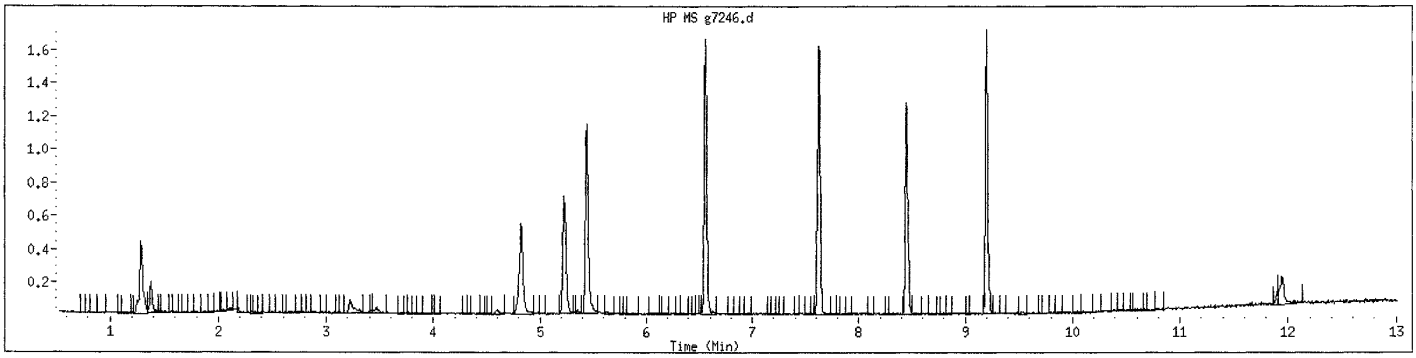


000141

166602

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043108 SampleType : SAMPLE
Injection Date: 11-AUG-2006 13:16 Instrument : msv5.i
Operator : VWM
Sample Info : 20608043108*FWPSE05-005-(0-0.5)
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE-006-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Lab Sample ID: 20608043109

Level: (low/med) LOW

Lab File ID: 2060806P/U8553

% Moisture: not dec.

Date Collected: 08/02/06 Time: 1615

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

Date Received: 08/04/06

Instrument ID: MSV3

Date Analyzed: 08/06/06 Time: 1916

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000343	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000173	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000227	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000131	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000252	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000229	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000102	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000462	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000378	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000181	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000190	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000206	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000240	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000205	0.00500
78-87-5	1,2-Dichloropropane	0.00500	U	0.000238	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000185	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000125	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000218	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000135	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000196	0.00500
78-93-3	2-Butanone	0.00500	U	0.000429	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000221	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000166	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000403	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000211	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000121	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000454	0.00500
67-64-1	Acetone	0.00427	JB	0.00142	0.025
107-02-8	Acrolein	0.025	U	0.00166	0.025
107-13-1	Acrylonitrile	0.025	U	0.00110	0.025
71-43-2	Benzene	0.00500	U	0.000225	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE-006-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043109

Lab File ID: 2060806P/U8553

Date Collected: 08/02/06 Time: 1615

Date Received: 08/04/06

Date Analyzed: 08/06/06 Time: 1916

Dilution Factor: 1 Analyst: VWM

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00500	U	0.000196	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000219	0.00500
75-25-2	Bromoform	0.00500	U	0.000216	0.00500
74-83-9	Bromomethane	0.00500	U	0.000477	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000414	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000098	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000128	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000213	0.00500
75-00-3	Chloroethane	0.00500	U	0.000596	0.00500
67-66-3	Chloroform	0.00500	U	0.000194	0.00500
74-87-3	Chloromethane	0.00500	U	0.000453	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000187	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000081	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000354	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000156	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000211	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000236	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000227	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000243	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000122	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000477	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000212	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000130	0.00500
75-09-2	Methylene chloride	0.010	U	0.000445	0.010
91-20-3	Naphthalene	0.00500	U	0.000304	0.00500
100-42-5	Styrene	0.00500	U	0.000135	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000227	0.00500
108-88-3	Toluene	0.00500	U	0.000213	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000270	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000190	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000360	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000240	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE-006-EB

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043109

Lab File ID: 2060806P/U8553

Date Collected: 08/02/06 Time: 1615

Date Received: 08/04/06

Date Analyzed: 08/06/06 Time: 1916

Dilution Factor: 1 Analyst: VWM

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00500	U	0.000089	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000509	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000163	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000286	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
103-65-1	n-Propylbenzene	0.00500	U	0.000175	0.00500
95-47-6	o-Xylene	0.00500	U	0.000223	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000157	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000179	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000159	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000139	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000492	0.00500

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8553.d
Lab Smp Id: 20608043109 Client Smp ID: FWPSE-006-EB
Inj Date : 06-AUG-2006 19:16
Operator : VWM Inst ID: msv3.i
Smp Info : 20608043109*FWPSE-006-EB
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 15:41 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	12 Acetone	43	2.430	2.427	(0.574)	15340	4.27334	4.27	
	24 Hexane	57	3.042	3.045	(0.719)	18916	1.38792	1.39	7356
$	39 Dibromofluoromethane	111	3.791	3.794	(0.896)	848173	52.1437	52.1	9535
$	45 1,2-Dichloroethane-d4	67	4.014	4.017	(0.949)	467357	48.2420	48.2	9502
*	48 FLUOROBENZENE	96	4.232	4.234	(1.000)	2159315	50.0000		9037
$	61 Toluene-d8	98	5.301	5.304	(1.253)	2267827	49.4858	49.5	9831
*	71 CHLOROBENZENE-d5	82	6.457	6.459	(1.000)	1030434	50.0000		9371
$	82 Bromofluorobenzene	174	7.578	7.580	(1.174)	993431	47.2215	47.2	9146
*	97 1,4-DICHLOROBENZENE-D4	152	8.882	8.884	(1.000)	1064011	50.0000		9551

Data File: /var/chem/msv3.i/2060806p.s.b/u8553.d

Page 1

Date : 06-AUG-2006 19:16

Client ID: FWPSE-006-EB

Instrument: msv3.i

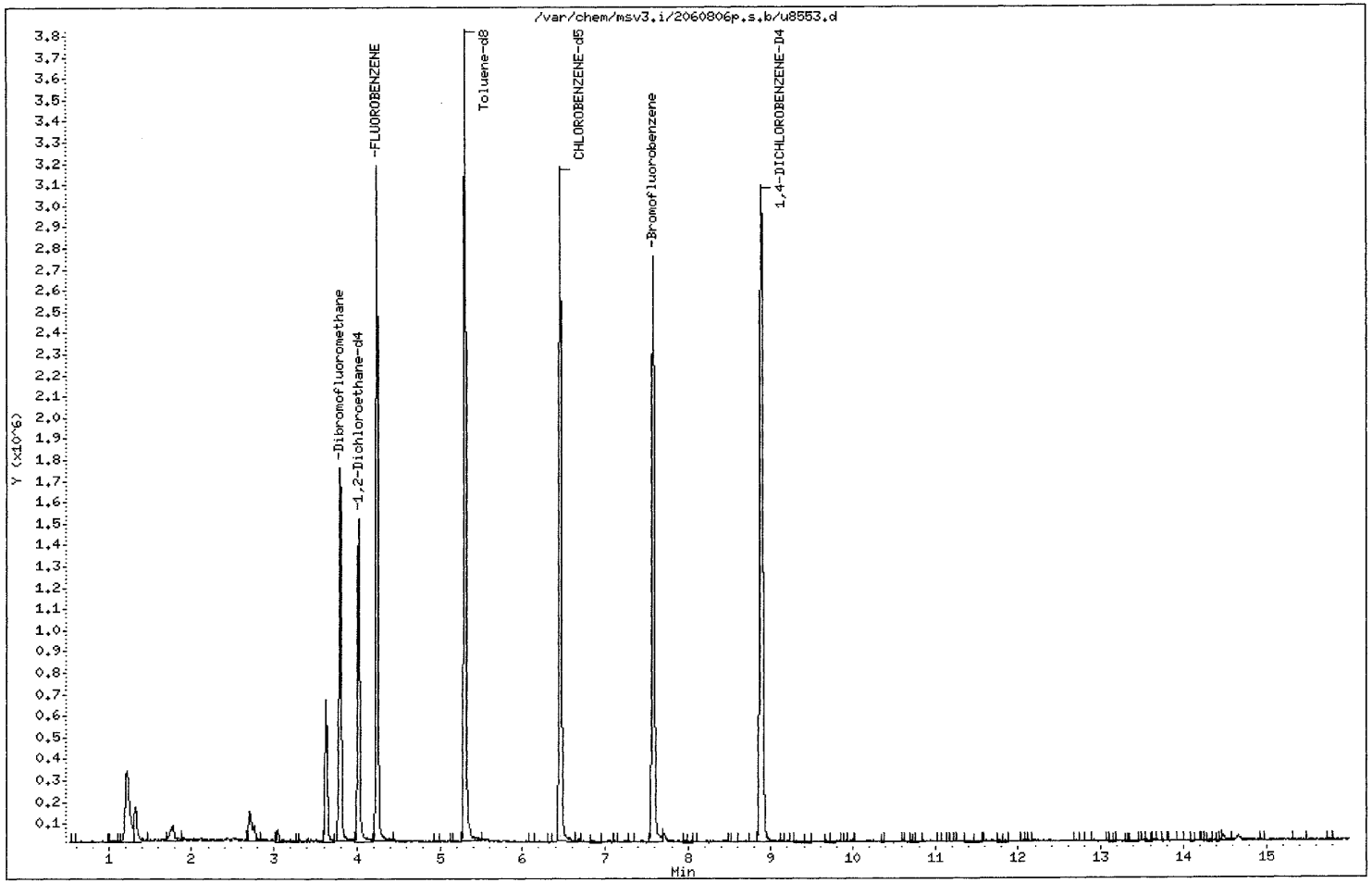
Sample Info: 20608043109*FWPSE-006-EB

Purge Volume: 5.0

Operator: VWM

Column phase: DB-624

Column diameter: 0.53



Data File: /var/chem/msv3.i/2060806p.s.b/u8553.d

Date : 06-AUG-2006 19:16

Client ID: FWPSE-006-EB

Instrument: msv3.i

Sample Info: 20608043109*FWPSE-006-EB

Purge Volume: 5.0

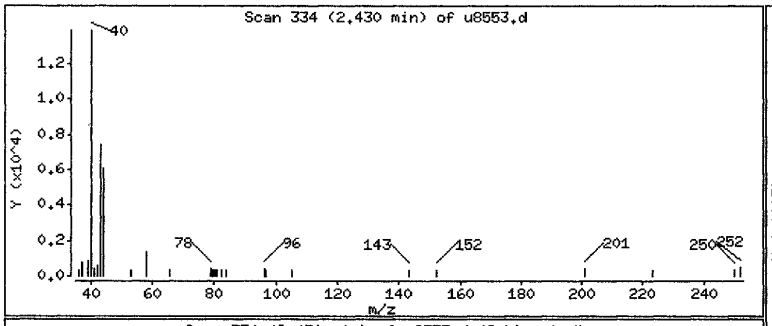
Operator: VWM

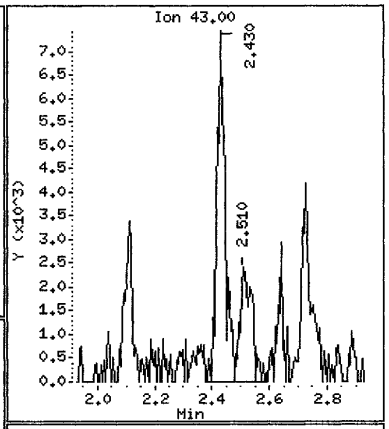
Column phase: DB-624

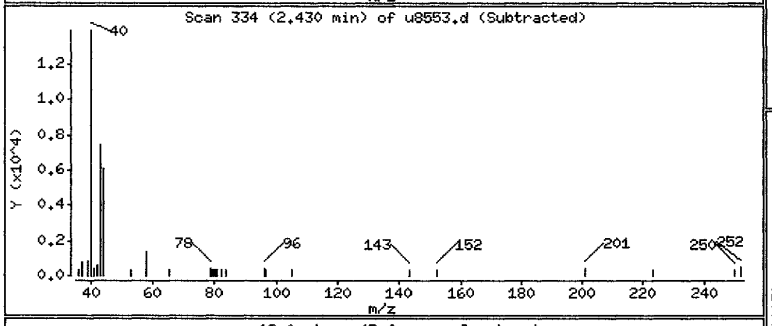
Column diameter: 0.53

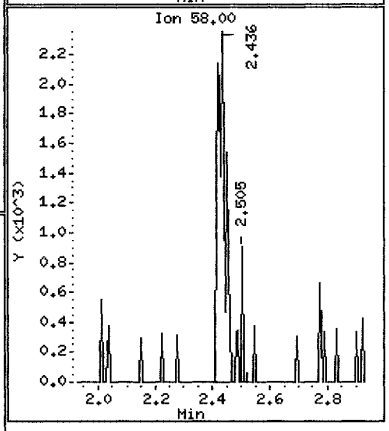
12 Acetone

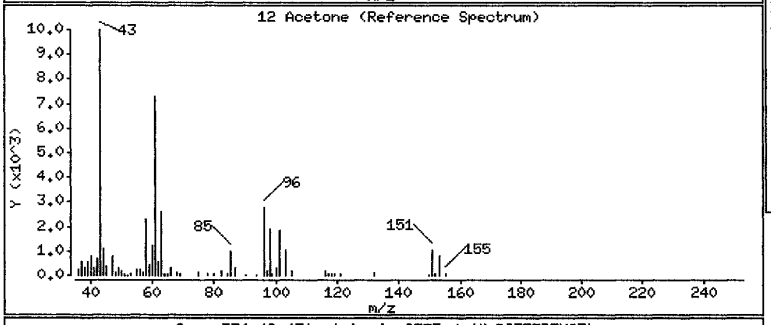
Concentration: 4.27 ug/L

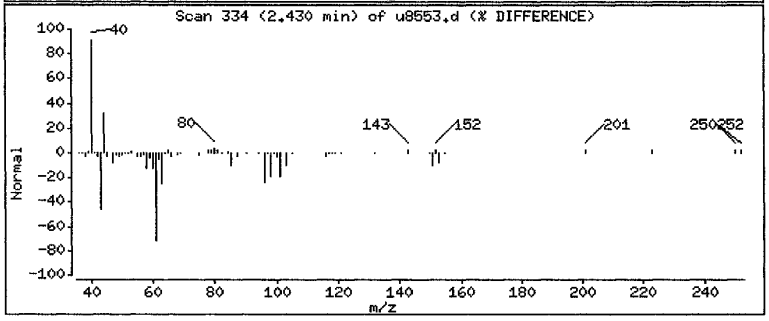












Data File: /var/chem/msv3.i/2060806p.s.b/u8553.d

Date : 06-AUG-2006 19:16

Client ID: FWPSE-006-EB

Instrument: msv3.i

Sample Info: 20608043109*FWPSE-006-EB

Purge Volume: 5.0

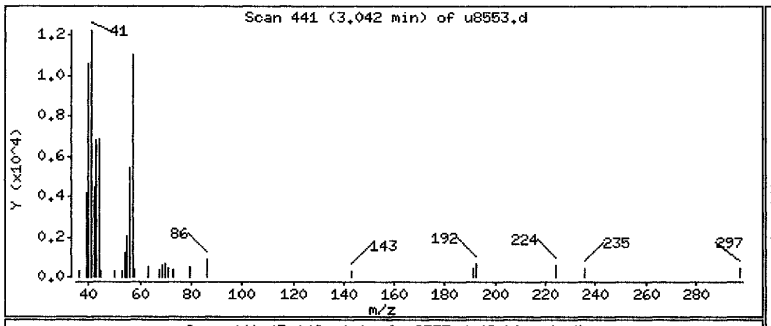
Operator: WWM

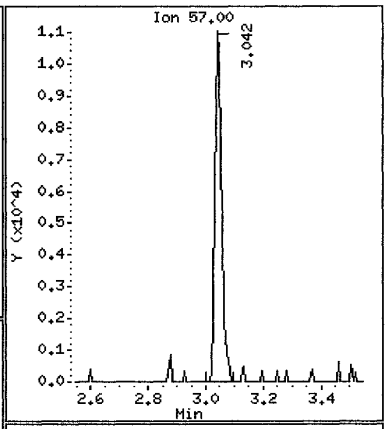
Column phase: DB-624

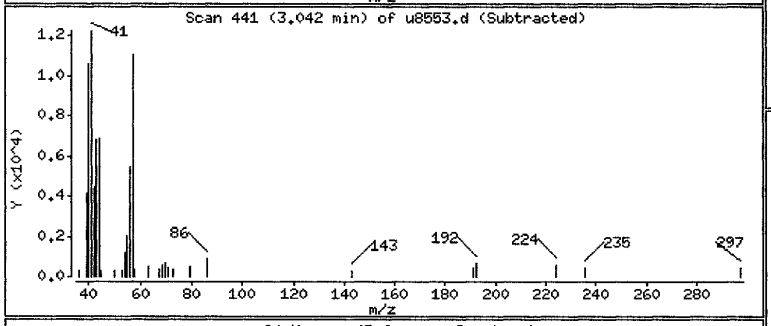
Column diameter: 0.53

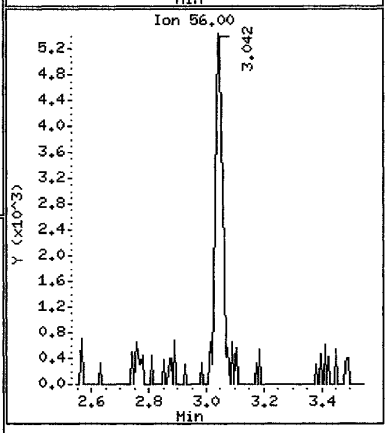
24 Hexane

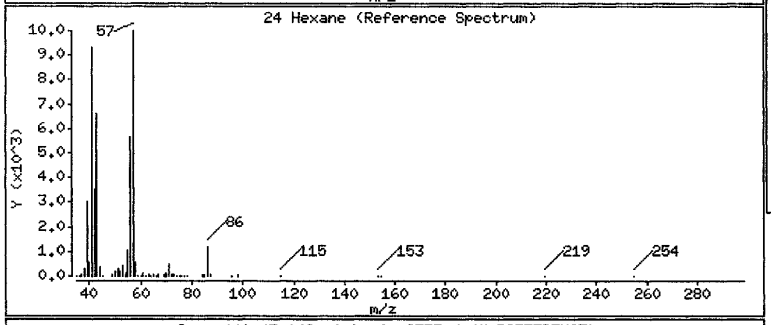
Concentration: 1.39 ug/L

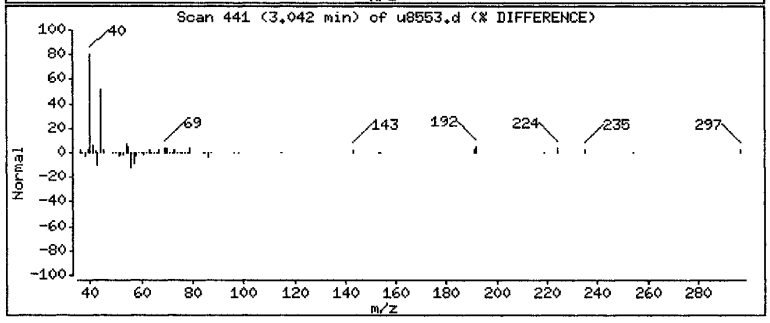








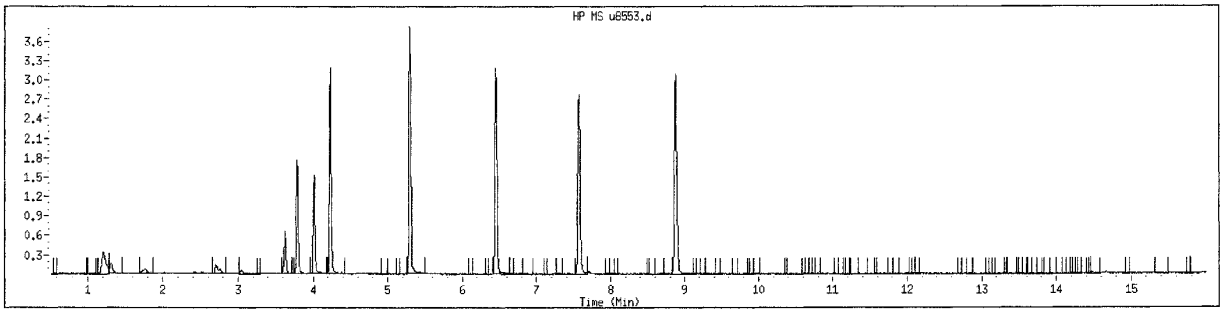




Data file : /var/chem/msv3.i/2060806p.s.b/u8553.d Page: 1
Report Date: 08/07/2006 07:55

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043109 SampleType : SAMPLE
Injection Date: 06-AUG-2006 19:16 Instrument : msv3.i
Operator : VWM
Sample Info : 20608043109*FWPSE-006-EB
Misc Info : MSV~8817~*1*ABD
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000150

166611

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWP-003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043110

Lab File ID: 2060806P/U8554

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Analyzed: 08/06/06 Time: 1942

Dilution Factor: 1 Analyst: VWM

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000343	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000173	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000227	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000131	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000252	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000229	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000102	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000462	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000378	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000181	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000190	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000206	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000240	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000205	0.00500
78-87-5	1,2-Dichloropropane	0.00500	U	0.000238	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000185	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000125	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000218	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000135	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000196	0.00500
78-93-3	2-Butanone	0.00500	U	0.000429	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000221	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000166	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000403	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000211	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000121	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000454	0.00500
67-64-1	Acetone	0.025	U	0.00142	0.025
107-02-8	Acrolein	0.025	U	0.00166	0.025
107-13-1	Acrylonitrile	0.025	U	0.00110	0.025
71-43-2	Benzene	0.00500	U	0.000225	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWP-003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043110

Lab File ID: 2060806P/U8554

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Analyzed: 08/06/06 Time: 1942

Dilution Factor: 1 Analyst: VWM

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00500	U	0.000196	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000219	0.00500
75-25-2	Bromoform	0.00500	U	0.000216	0.00500
74-83-9	Bromomethane	0.00500	U	0.000477	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000414	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000098	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000128	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000213	0.00500
75-00-3	Chloroethane	0.00500	U	0.000596	0.00500
67-66-3	Chloroform	0.00500	U	0.000194	0.00500
74-87-3	Chloromethane	0.00500	U	0.000453	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000187	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000081	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000354	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000156	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000211	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000236	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000227	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000243	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000122	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000477	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000212	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000130	0.00500
75-09-2	Methylene chloride	0.010	U	0.000445	0.010
91-20-3	Naphthalene	0.00500	U	0.000304	0.00500
100-42-5	Styrene	0.00500	U	0.000135	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000227	0.00500
108-88-3	Toluene	0.00500	U	0.000213	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000270	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000190	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000360	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000240	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWP-003

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 20608043110

Level: (low/med) LOW Lab File ID: 2060806P/U8554

% Moisture: not dec. Date Collected: 08/02/06 Time: 1350

GC Column: DB-624-30M ID: .53 (mm) Date Received: 08/04/06

Instrument ID: MSV3 Date Analyzed: 08/06/06 Time: 1942

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00500	U	0.000089	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000509	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000163	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000286	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
103-65-1	n-Propylbenzene	0.00500	U	0.000175	0.00500
95-47-6	o-Xylene	0.00500	U	0.000223	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000157	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000179	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000159	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000139	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000492	0.00500

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8554.d
Lab Smp Id: 20608043110 Client Smp ID: FWP-003
Inj Date : 06-AUG-2006 19:42
Operator : VWM Inst ID: msv3.i
Smp Info : 20608043110*FWP-003
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 15:41 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
24 Hexane	57	3.054	3.045	(0.722)	18735	1.32555	1.33	6922
$ 39 Dibromofluoromethane	111	3.791	3.794	(0.896)	893476	52.9674	53.0	9527
$ 45 1,2-Dichloroethane-d4	67	4.014	4.017	(0.949)	499202	49.6891	49.7	9384
* 48 FLUOROBENZENE	96	4.232	4.234	(1.000)	2239277	50.0000		8999
$ 61 Toluene-d8	98	5.301	5.304	(1.253)	2374863	49.9709	50.0	9813
* 71 CHLOROBENZENE-d5	82	6.457	6.459	(1.000)	1082820	50.0000		9290
$ 82 Bromofluorobenzene	174	7.578	7.580	(1.174)	1055280	47.7347	47.7	9096
* 97 1,4-DICHLOROBENZENE-D4	152	8.882	8.884	(1.000)	1105743	50.0000		9575

000155

Data File: /var/chem/msv3.i/2060806p.s.b/u8554.d

Page 1

Date : 06-AUG-2006 19:42

Client ID: FWP-003

Instrument: msv3.i

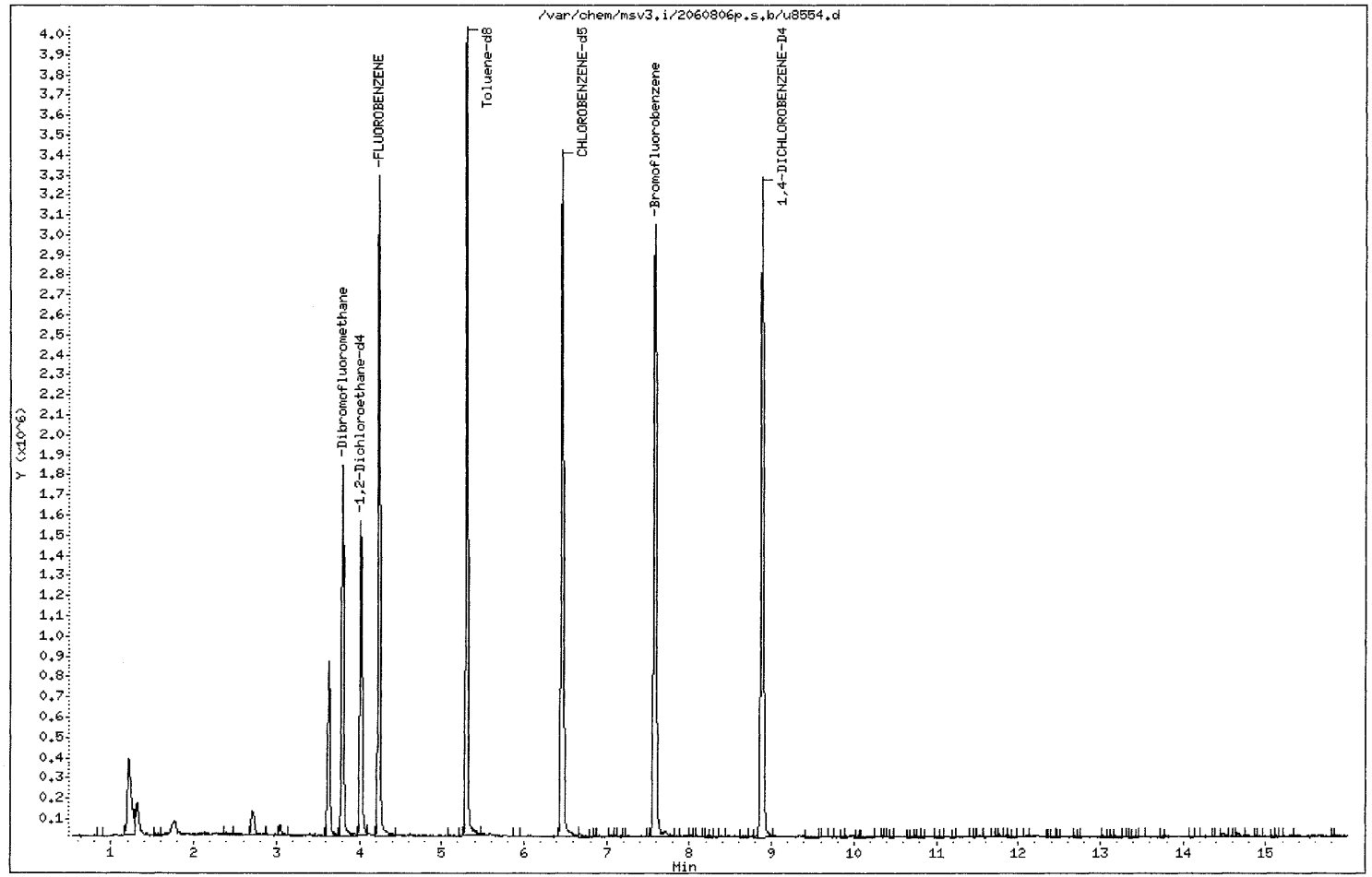
Sample Info: 20608043110*FWP-003

Purge Volume: 5.0

Operator: VWM

Column phase: DB-624

Column diameter: 0.53



166616

Data File: /var/chem/msv3.i/2060806p.s.b/u8554.d

Date : 06-AUG-2006 19:42

Client ID: FWP-003

Instrument: msv3.i

Sample Info: 20608043110*FWP-003

Purge Volume: 5.0

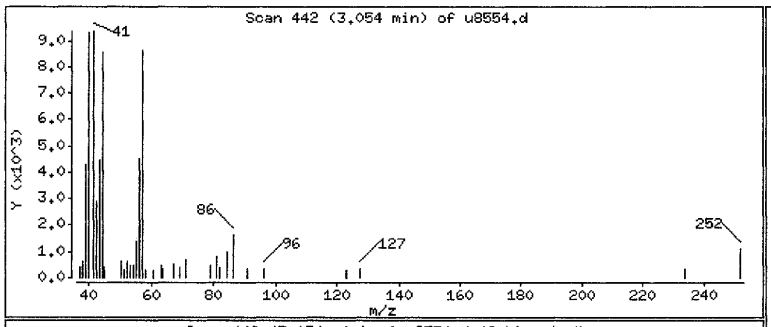
Operator: VWM

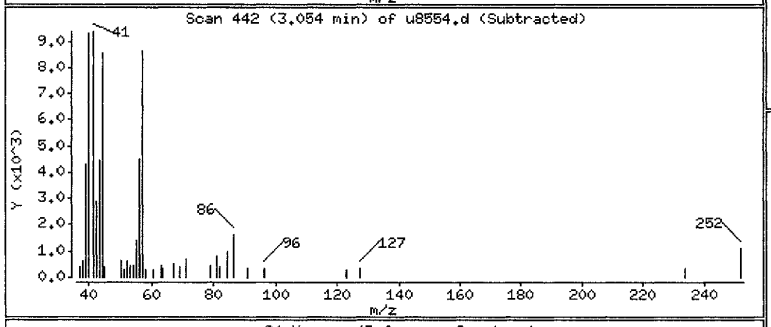
Column phase: DB-624

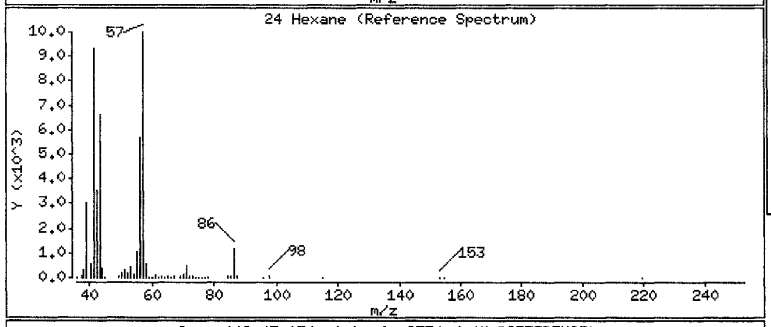
Column diameter: 0.53

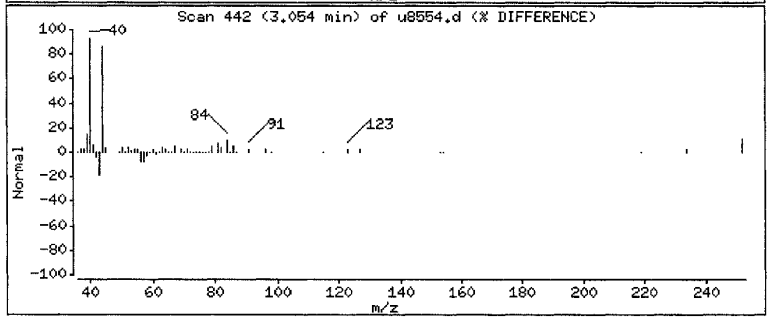
24 Hexane

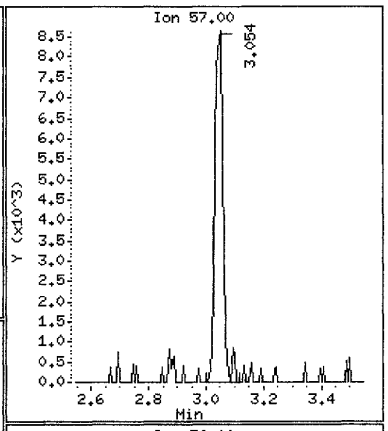
Concentration: 1.33 ug/L

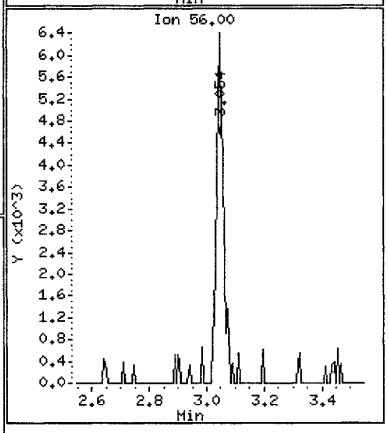








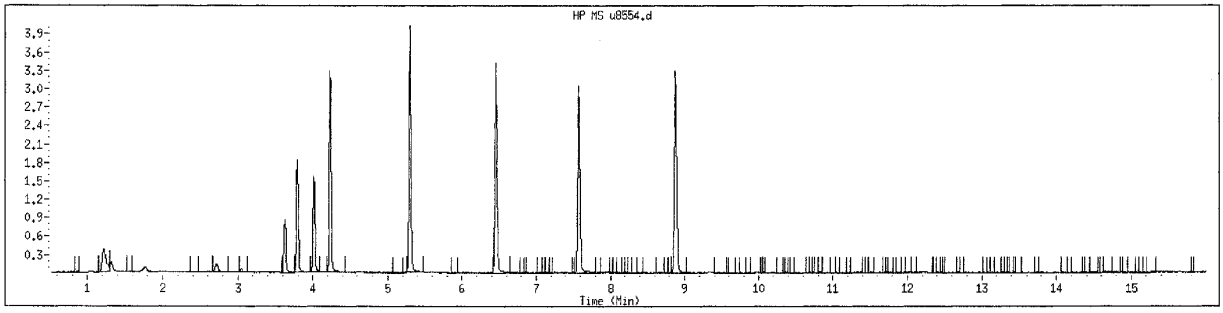




Data file : /var/chem/msv3.i/2060806p.s.b/u8554.d Page: 1
Report Date: 08/07/2006 07:56

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043110 SampleType : SAMPLE
Injection Date: 06-AUG-2006 19:42 Instrument : msv3.i
Operator : VWM
Sample Info : 20608043110*FWP-003
Misc Info : MSV~8817~*1*ABD
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000157

166618

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Calibration File Names:
Level 1: /var/chem/msv3.i/2060721p.s.b/u7870.d
Level 2: /var/chem/msv3.i/2060721p.s.b/u7872.d
Level 3: /var/chem/msv3.i/2060721p.s.b/u7873.d
Level 4: /var/chem/msv3.i/2060721p.s.b/u7874.d
Level 5: /var/chem/msv3.i/2060721p.s.b/u7875.d
Level 6: /var/chem/msv3.i/2060721p.s.b/u7871.d
Level 7: /var/chem/msv3.i/2060721p.s.b/u7868.d
Level 8: /var/chem/msv3.i/2060721p.s.b/u7869.d
Level 10: /var/chem/msv3.i/2060721p.s.b/u7867.d

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
M 138 Total-1-3 Dichloropropene	0.36822	0.44203	0.45898	0.45296	0.45329	0.39708						
	0.34282	0.41383	+++++				AVRG		0.41615		10.46728	
M 145 Total 1-3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
1 Dichlorodifluoromethane	0.93617	0.99200	0.90882	0.90334	0.86800	0.96549						
	0.89021	1.20911	1.02727				AVRG		0.96671		10.78487	
2 Chloromethane ++	0.30287	0.27256	0.25299	0.24459	0.23626	0.30130						
	+++++	0.25456	+++++				AVRG		0.26645		10.03465	
3 Vinyl Chloride +	0.26326	0.27363	0.25577	0.24361	0.23701	0.25920						
	+++++	0.32463	+++++				AVRG		0.26530		10.87227	

000158

166619

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	0.4000 Level 7	1 Level 8	0.2000 Level 10								
4 1,3-Butadiene	0.13740	0.11663	0.10008	0.10333	0.11130	0.12895					
	+++++	+++++	+++++				AVRG		0.11628		12.53319
5 Bromomethane	24874	94825	252006	444451	831332	43575					
	4720	7098	+++++				LINR	-0.06197	0.09655		0.99516
6 Chloroethane	0.15819	0.15658	0.15671	0.14913	0.11816	0.15971					
	+++++	0.17537	+++++				AVRG		0.15341		11.37401
7 Trichlorofluoromethane	0.67037	0.68207	0.64108	0.63144	0.62447	0.67069					
	0.56534	0.72753	0.81953				AVRG		0.67028		10.70195
8 Ethyl Ether	0.16483	0.15694	0.15019	0.15230	0.15678	0.15046					
	+++++	+++++	+++++				AVRG		0.15525		3.57697
19 tert-butyl alcohol	0.01679	0.01691	0.01751	0.01552	0.01784	0.01543					
	+++++	+++++	+++++				AVRG		0.01667		6.00045
28 2 Butanol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00
9 Acrolein	11613	47963	131263	310726	728367	21760					
	+++++	+++++	+++++				LINR	0.70671	0.01698		0.99528
10 1,1,2Trichlotrifluoroethane	0.35868	0.35730	0.34024	0.33205	0.33679	0.36540					
	0.30873	0.45165	0.43897				AVRG		0.36553		13.24015

0001159

166620

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
11 1,1-Dichloroethene +	0.26348	0.26197	0.25735	0.24921	0.25178	0.25582						
	0.28227	0.30815	+++++				AVRG		0.26625		7.41173	
12 Acetone	0.10446	0.08435	0.07903	0.07305	0.07443	0.08340						
	+++++	+++++	+++++				AVRG		0.08312		13.72592	
13 Methyl Iodide	0.54689	0.59819	0.59361	0.57658	0.56584	0.58235						
	0.54191	0.59305	+++++				AVRG		0.57480		3.74004	
14 Carbon Disulfide	0.76951	0.88384	0.83237	0.83481	0.83967	0.80338						
	0.88986	0.91577	+++++				AVRG		0.84615		5.69270	
17 Methyl Acetate	0.14550	0.13951	0.15158	0.13731	0.13881	0.13859						
	+++++	+++++	+++++				AVRG		0.14188		3.91091	
16 Ally Chloride	0.32426	0.30906	0.28159	0.29215	0.30078	0.30732						
	+++++	+++++	+++++				AVRG		0.30253		4.87466	
15 Acetonitrile	0.09240	0.08467	0.07875	0.07846	0.07904	0.08385						
	+++++	+++++	+++++				AVRG		0.08286		6.52462	
18 Methylene Chloride	98619	281351	631825	1195317	2381692	157058						
	+++++	48487	+++++				LINR	-0.08766	0.26828		0.99980	
23 2-Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

000160

166621

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2
	0.4000 Level 7	1 Level 8	0.2000 Level 10								
20 Acrylonitrile	0.07040	0.07400	0.07362	0.07191	0.07090	0.07135					
	+++++	0.08538	+++++				AVRG		0.07394		7.06240
22 trans-1,2-Dichloroethene	0.34963	0.35055	0.34613	0.32548	0.31609	0.35318					
	0.41340	0.45015	+++++				AVRG		0.36308		12.51741
21 MTBE	0.57636	0.59660	0.59190	0.59125	0.56636	0.58345					
	0.63125	0.60317	0.72704				AVRG		0.60749		7.96713
24 Hexane	0.33688	0.32672	0.31236	0.29330	0.29025	0.33401					
	+++++	+++++	+++++				AVRG		0.31559		6.44126
26 1,1-Dichloroethane ++	0.43637	0.43329	0.41144	0.40354	0.39183	0.43435					
	0.46523	0.47716	+++++				AVRG		0.43165		6.79097
25 Vinyl Acetate	0.31647	0.31912	0.32357	0.31168	0.32062	0.31238					
	+++++	0.39705	+++++				AVRG		0.32870		9.26209
29 Isopropyl Ether	0.47701	0.49687	0.44515	0.46811	0.48728	0.48521					
	+++++	+++++	+++++				AVRG		0.47660		3.82333
31 Chloroprene	0.37233	0.36893	0.37209	0.36315	0.37317	0.37139					
	+++++	+++++	+++++				AVRG		0.37018		1.00848
34 cis-1,2-Dichloroethene	0.41567	0.45794	0.45034	0.41599	0.39494	0.43947					
	0.51933	0.48054	0.57448				AVRG		0.46097		12.29447

000161

166622

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	0.4000 Level 7	1 Level 8	0.2000 Level 10								
35 2,2-Dichloropropane	0.36109	0.38725	0.39680	0.38560	0.39441	0.37767					
	0.38421	0.38879	+++++				AVRG		0.38448		2.90156
32 2-Butanone	33504	123271	283655	532172	1007182	57479					
	+++++	9034	+++++				LINR	-0.07693	0.11552		0.99752
33 Ethyl Acetate	0.05932	0.05510	0.05431	0.06076	0.05076	0.05352					
	+++++	+++++	+++++				AVRG		0.05563		6.73426
36 Propionitril	0.02671	0.02523	0.02529	0.02615	0.02554	0.02529					
	+++++	+++++	+++++				AVRG		0.02570		2.33832
M 30 Total 1,2-Dichloroethene	0.38265	0.40425	0.39824	0.37074	0.35551	0.39633					
	0.46637	0.46535	0.28724				AVRG		0.39185		13.96702
37 Bromochloromethane	0.18170	0.18470	0.17737	0.17011	0.16730	0.18717					
	0.20086	0.21047	+++++				AVRG		0.18496		7.93838
38 Chloroform +	0.59957	0.61609	0.59356	0.56072	0.55182	0.60269					
	0.62572	0.73401	0.76364				AVRG		0.62754		11.64827
135 Methacrylonitrile	0.09456	0.10848	0.10844	0.10549	0.10490	0.09549					
	+++++	+++++	+++++				AVRG		0.10289		6.10010
136 Tetrahydrofuran	0.04381	0.04953	0.04747	0.04796	0.04490	0.04762					
	+++++	+++++	+++++				AVRG		0.04688		4.51661

000162

166623

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
40 1,1,1-Trichloroethane	0.51954	0.57469	0.56097	0.54761	0.53266	0.54068						
	0.47201	0.59664	+++++				AVRG		0.54310		6.93395	
142 1-3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e-00		0.000e-00	<-
42 Cyclohexane	0.38123	0.40800	0.38231	0.37602	0.36034	0.39630						
	0.36762	0.40809	0.47341				AVRG		0.39481		8.56708	
43 1,1-Dichloropropene	0.37868	0.39517	0.38683	0.37966	0.36349	0.40227						
	0.38455	0.46658	+++++				AVRG		0.39466		7.92420	
44 Carbon Tetrachloride	0.53919	0.58437	0.55449	0.54294	0.52205	0.54615						
	0.53188	0.61558	0.68867				AVRG		0.56948		9.33459	
27 Isobutyl Alcohol	0.00666	0.00627	0.00642	0.00661	0.00615	0.00760						
	+++++	+++++	+++++				AVRG		0.00662		7.82637	
46 1,2-Dichloroethane	0.54484	0.55786	0.53039	0.48937	+++++	0.55031						
	+++++	0.61805	+++++				AVRG		0.54847		7.63420	<-
47 Benzene	0.97373	0.99623	0.97601	0.91290	+++++	0.96505						
	1.05640	1.11845	+++++				AVRG		0.99983		6.74640	
41 n-Butanol	0.00461	0.00381	0.00448	0.00441	0.00425	0.00400						
	+++++	+++++	+++++				AVRG		0.00426		7.20842	

000163

166624

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
49 Trichloroethene	0.35829	0.36645	0.34719	0.33578	0.33235	0.35028						
	0.38347	0.42073	+++++				AVRG		0.36182		8.00137	
51 Methyl Cyclohexane	0.40820	0.44812	0.43888	0.42112	0.41806	0.42976						
	+++++	0.41872	+++++				AVRG		0.42612		3.21484	
52 1,2-Dichloropropane +	0.24806	0.26227	0.24640	0.23241	0.22241	0.26237						
	+++++	0.26886	+++++				AVRG		0.24897		6.83794	
50 2,3Dichloro-1-propene	0.36345	0.40509	0.36422	0.38650	0.38555	0.38213						
	+++++	+++++	+++++				AVRG		0.38116		4.10158	<-
55 Dibromomethane	0.22974	0.23700	0.24031	0.22950	0.22526	0.23971						
	0.27133	0.25100	+++++				AVRG		0.24048		6.17254	
54 1,4-Dioxane	0.00175	0.00157	0.00172	0.00153	0.00145	0.00153						
	+++++	+++++	+++++				AVRG		0.00159		7.38019	
56 Bromodichloromethane	0.46947	0.49953	0.50231	0.48078	0.47357	0.47221						
	0.51563	0.55424	0.58521				AVRG		0.50588		7.94198	
143 1-4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
144 1-2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

0001164

166625

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
57 2-Chloroethyl vinyl ether	0.15200	0.17149	0.17558	0.17892	0.18275	0.15151						
	+++++	0.17059	+++++				AVRG		0.16898		7.38492	
140 1-Nitropropane	0.06654	0.07351	0.07179	0.07815	0.07893	0.06414						
	+++++	+++++	+++++				AVRG		0.07218		8.30435	
58 1-Bromo-2-chloroethane	0.39342	0.39590	0.38226	0.37313	0.35596	0.39641						
	+++++	0.46404	+++++				AVRG		0.39445		8.61858	
59 cis-1,3-Dichloropropene	0.37844	0.44712	0.45718	0.44521	0.44292	0.40677						
	0.35878	0.40799	+++++				AVRG		0.41805		8.59761	<-
60 4-methyl-2-pentanone	0.25005	0.28263	0.29606	0.29010	0.28461	0.27370						
	0.34197	0.28798	+++++				AVRG		0.28839		8.95220	
62 Toluene +	1.20013	1.28024	1.22405	1.17559	1.12664	1.24915						
	1.20161	1.31534	+++++				AVRG		1.22159		4.89072	
63 trans-1,3-Dichloropropene	0.35800	0.43694	0.46077	0.46071	0.46365	0.38739						
	0.32686	0.41966	+++++				AVRG		0.41425		12.52064	
141 2-Nitropropane	5018	32908	78598	168174	344892	15644						
	+++++	+++++	+++++				LINR	0.01834	0.07834		0.99982	
53 Methyl Methacrylate	0.19480	0.21472	0.21568	0.21597	0.21018	0.20532						
	+++++	+++++	+++++				AVRG		0.20945		3.94494	

000165

166626

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
64 Ethyl Methacrylate	0.22451	0.23315	0.22692	0.23521	0.22760	0.21668						
	+++++	+++++	+++++				AVRG		0.22735		2.90209	
65 1,1,2-Trichloroethane	0.50271	0.55191	0.55162	0.53627	0.53443	0.53710						
	0.50360	0.58907	+++++				AVRG		0.53834		5.17416	
66 1,3-Dichloropropane	0.82628	0.85000	0.82038	0.78406	0.77219	0.81111						
	0.96522	0.93985	+++++				AVRG		0.84614		8.30711	
67 Tetrachloroethene	77960	306566	698676	1345921	2654814	141370						
	8831	17079	5536				LINR	-0.02639	0.61182		0.99951	
68 2-Hexanone	0.37055	0.41060	0.40188	0.41624	0.40291	0.38398						
	+++++	0.36016	+++++				AVRG		0.39233		5.39421	
69 Dibromochloromethane	0.85616	0.90801	0.90854	0.91393	0.91325	0.87046						
	0.87748	0.87443	1.02094				AVRG		0.90480		5.36919	
146 Methyl Disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e-00	<-
70 1,2-Dibromoethane(EDB)	0.60367	0.64311	0.64723	0.65312	0.66432	0.61339						
	0.63904	0.66658	0.74237				AVRG		0.65254		6.08810	
151 1-chlorohexane	0.72718	0.79045	0.76140	0.77939	0.78941	0.74277						
	+++++	0.93381	+++++				AVRG		0.78920		8.62268	

000166

166627

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	0.4000 Level 7	1 Level 8	0.2000 Level 10								
72 Chlorobenzene ++	1.71148	1.70005	1.62502	1.59714	1.60012	1.64674					
	2.18745	1.99631	+++++				AVRG		1.75804		12.30558
73 1,1,1,2-Tetrachloroethane	0.66121	0.73775	0.72893	0.71905	0.71854	0.70550					
	0.80637	0.78867	0.90584				AVRG		0.75243		9.55060
74 Ethylbenzene +	0.86672	0.91991	0.86194	0.85953	0.84600	0.88017					
	1.14700	0.93719	+++++				AVRG		0.91481		10.81645
75 p,m-Xylene	1.05985	1.05985	1.02152	1.00220	1.00712	1.04434					
	1.03833	1.11981	+++++				AVRG		1.04413		3.60068
76 o-Xylene	0.97688	1.07439	1.04274	1.03203	1.05168	1.03163					
	0.85649	0.92213	+++++				AVRG		0.99850		7.49774
77 Styrene	1.71337	1.84413	1.81950	1.78247	1.80495	1.79806					
	1.64016	1.75388	+++++				AVRG		1.76957		3.72612
81 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e-00
79 Bromoform ++	0.62508	0.70030	0.73531	0.74615	0.74649	0.63536					
	0.70969	0.68631	+++++				AVRG		0.69809		6.75843
80 Isopropylbenzene	2.49928	2.86757	2.82937	2.78038	2.69804	2.66849					
	2.40089	2.40469	+++++				AVRG		2.64359		7.05923

0001627

166628

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
137 1,5-Cyclooctadiene	0.64624	0.69900	0.66238	0.66292	0.68388	0.67783						
	+++++	+++++	+++++				AVRG		0.67204		2.77808	
83 1,1,2,2-Tetrachloroethane++	0.54264	0.60893	0.60032	0.58432	0.57597	0.60251						
	0.62292	0.64123	0.68919				AVRG		0.60756		6.85235	
84 trans-1,4-Dichloro-2-Butene	0.13808	0.17683	0.16937	0.16524	0.15406	0.14665						
	+++++	0.19288	+++++				AVRG		0.16330		11.44825	
86 Bromobenzene	1.19027	1.28981	1.25052	1.20234	1.18307	1.22887						
	1.30538	1.25840	+++++				AVRG		1.23858		3.66776	
85 1,2,3-Trichloropropane	0.74245	0.76827	0.77926	0.76065	0.73318	0.72880						
	0.71533	0.92588	+++++				AVRG		0.76923		8.68879	
87 n-Propylbenzene	2.86819	3.23572	3.06682	3.07826	2.85868	3.07450						
	2.54828	2.71486	+++++				AVRG		2.93066		7.69437	
M 78 TOTAL XYLENE	1.03219	1.06470	1.02859	1.01214	1.02197	1.04010						
	0.97772	1.05391	+++++				AVRG		1.02892		2.59539	
88 2-Chlorotoluene	1.85136	2.05346	1.95113	1.90569	1.88032	1.90986						
	2.02448	1.95158	+++++				AVRG		1.94099		3.57806	
153 3-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

000168

166629

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
89 1,3,5-Trimethylbenzene	2.36186	2.66444	2.51289	2.46913	2.36504	2.44791						
	2.25723	2.22794	+++++				AVRG		2.41331		5.88088	
90 4-Chlorotoluene	2.30834	2.49038	2.34995	2.28998	2.25507	2.32661						
	2.54902	2.35851	+++++				AVRG		2.36598		4.29373	
147 1-3 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
154 2-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
91 tert-butylbenzene	1.41402	2.01650	1.95391	1.90545	1.86407	1.90289						
	1.56420	1.38678	+++++				AVRG		1.75098		14.52023	
93 1,2,4-Trimethylbenzene	2.38468	2.65649	2.57042	2.48161	2.41880	2.52523						
	2.20669	2.26977	+++++				AVRG		2.43921		6.19412	
92 Pentachloroethane	0.43425	0.45293	0.42030	0.41334	0.41091	0.42764						
	+++++	+++++	+++++				AVRG		0.42656		3.65386	
149 1-2 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
94 sec-Butylbenzene	2.70617	3.15133	2.97118	2.96078	2.82950	2.91322						
	2.42060	2.47186	+++++				AVRG		2.80308		9.07158	

000169

166630

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
96 1,3-Dichlorobenzene	1.50703	1.57219	1.48414	1.42171	1.40735	1.57071						
	1.80240	1.57173	+++++				AVRG		1.54216		8.03938	
95 p-Isopropyltoluene	2.43680	2.74156	2.68134	2.59891	2.46821	2.66910						
	2.38450	2.18515	+++++				AVRG		2.52070		7.40162	
98 1,4-Dichlorobenzene	1.52773	1.60955	1.53433	1.48455	1.48660	1.60108						
	1.99622	1.81680	+++++				AVRG		1.63211		11.14381	
99 n-Butylbenzene	2.08708	2.49336	2.44022	2.36681	2.28242	2.29850						
	2.05922	1.78170	+++++				AVRG		2.22616		10.60499	
100 1,2-Dichlorobenzene	1.45347	1.53502	1.44887	1.39958	1.36777	1.51449						
	2.02605	1.70863	+++++				AVRG		1.55673		13.91114	
148 1-4 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e-00		0.000e-00	<-
101 1,2-Dibromo-3-Chloropropane	17846	82333	212941	439321	928122	38563						
	1374	3954	185				LINR	0.02398	0.19302		0.99962	
M 150 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
102 Benzal Chloride	30155	121511	320963	749761	2345603	75502						
	+++++	+++++	+++++				QUAD	-0.01468	7.61577	-1.78009	0.99976	

000170

166631

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	0.4000 Level 7	1 Level 8	0.2000 Level 10									
103 1,2,4-Trichlorobenzene	0.98715	1.16276	1.15506	1.12087	1.08646	1.08646						
	1.31669	1.00986	+++++				AVRG		1.11566		9.19235	
104 Hexachlorobutadiene	0.84191	0.93097	0.87784	0.84854	0.79362	0.87590						
	1.15216	0.90966	+++++				AVRG		0.90382		12.04294	
105 Naphthalene	1.76971	2.21212	2.32161	2.29048	2.23382	2.06955						
	+++++	1.74042	+++++				AVRG		2.09110		11.62626	
106 1,2,3-Trichlorobenzene	0.99899	1.11987	1.11181	1.07083	1.05167	1.08055						
	1.22396	1.03056	+++++				AVRG		1.08603		6.31534	
152 2-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
155 2,2,4-Trimethylpentane	0.62224	0.70859	0.64792	0.70614	0.69367	0.70169						
	+++++	+++++	+++++				AVRG		0.68004		5.31149	
$ 39 Dibromofluoromethane	0.37358	0.38770	0.38653	0.37100	0.35851	0.38256						
	+++++	+++++	+++++				AVRG		0.37665		2.96819	
$ 45 1,2-Dichloroethane-d4	0.23352	0.23305	0.22746	0.21394	0.20166	0.23632						
	+++++	+++++	+++++				AVRG		0.22433		6.09823	

000171

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 21-JUL-2006 08:08
End Cal Date : 21-JUL-2006 15:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Cal Date : 31-Aug-2006 10:42 rjo

Compound	5 Level 1	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2
	0.4000 Level 7	1 Level 8	0.2000 Level 10								
$ 61 Toluene-d8	1.04459 +++++	1.11553 +++++	1.08187 +++++	1.03566	1.00549	1.08386	AVRG		1.06117		3.75152
$ 82 Bromofluorobenzene	1.00581 +++++	1.04892 +++++	1.03610 +++++	1.01441	1.00003	1.01964	AVRG		1.02082		1.81876

Average %RSD Results.

Calculated Average %RSD = 7.52870798
Maximun Average %RSD = 15
* 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

000172

166633

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7856.d
Lab Smp Id: 1000 Client Smp ID: V3BFB01
Inj Date : 21-JUL-2006 07:11
Operator : ABD Inst ID: msv3.i
Smp Info : 1000*V3BFB01
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/bfb3.m
Meth Date : 27-Jun-2006 14:01 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		
7.568	7.500 (0.000)	95	121114			100.00- 100.00	96.86
7.568	7.500 (0.000)	50	22725			15.00- 40.00	18.76
7.568	7.500 (0.000)	75	68365			30.00- 60.00	56.45
7.568	7.500 (0.000)	96	8729			5.00- 9.00	7.21
7.568	7.500 (0.000)	173	0			0.00- 2.00	0.00
7.568	7.500 (0.000)	174	124757			50.00- 120.00	103.01
7.568	7.500 (0.000)	175	9159			5.00- 9.00	7.34
7.568	7.500 (0.000)	176	125042			95.00- 101.00	100.23
7.568	7.500 (0.000)	177	9352			5.00- 9.00	7.48

000173

166634

Data File: /var/chem/msv3.i/2060721.s.b/u7856.d

Page 1

Date : 21-JUL-2006 07:11

Client ID: V3BFB01

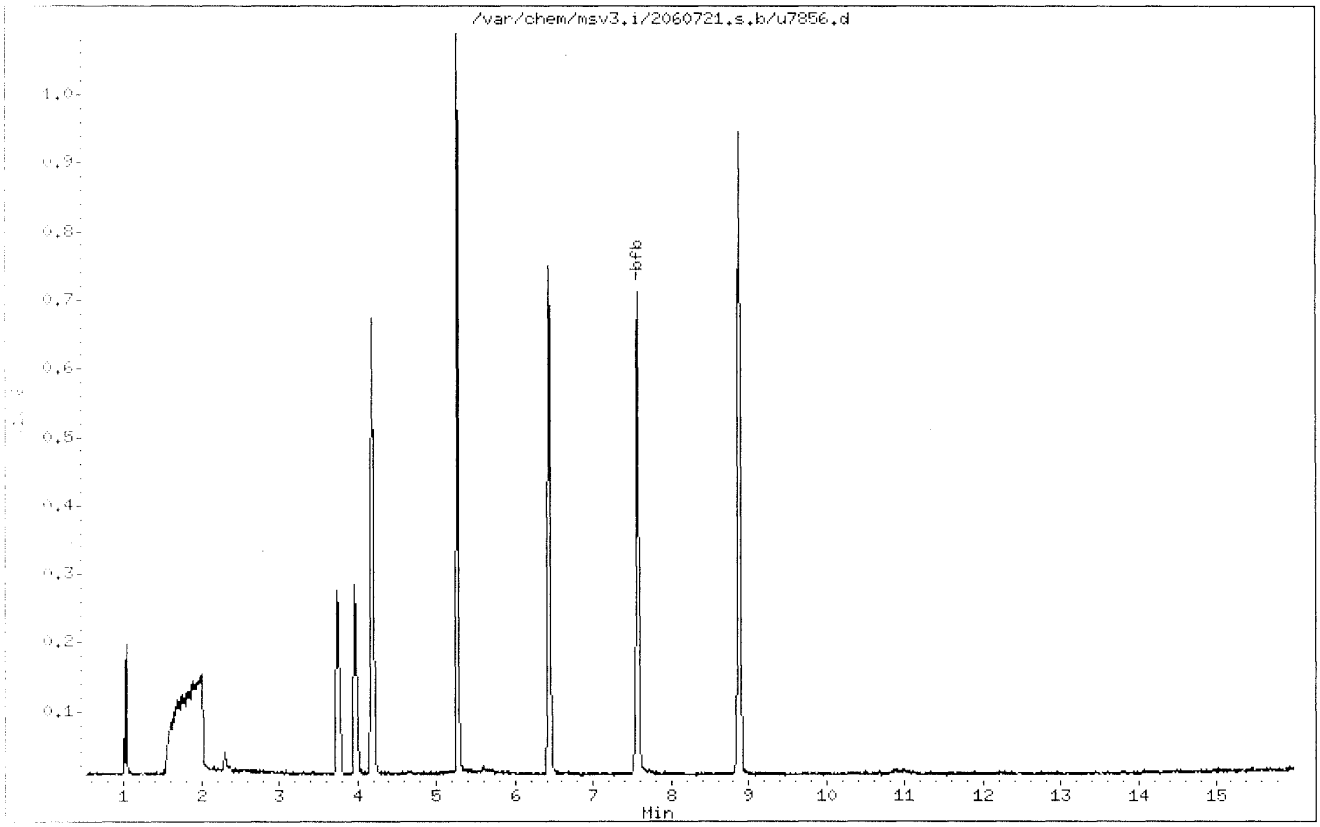
Instrument: msv3.i

Sample Info: 1000*V3BFB01

Operator: ABD

Column phase: DB-624-30M

Column diameter: 0.53



000174

166635

Data File: /var/chem/msv3.i/2060721.s.b/u7856.d

Date : 21-JUL-2006 07:11

Client ID: W3BFB01

Instrument: msv3.i

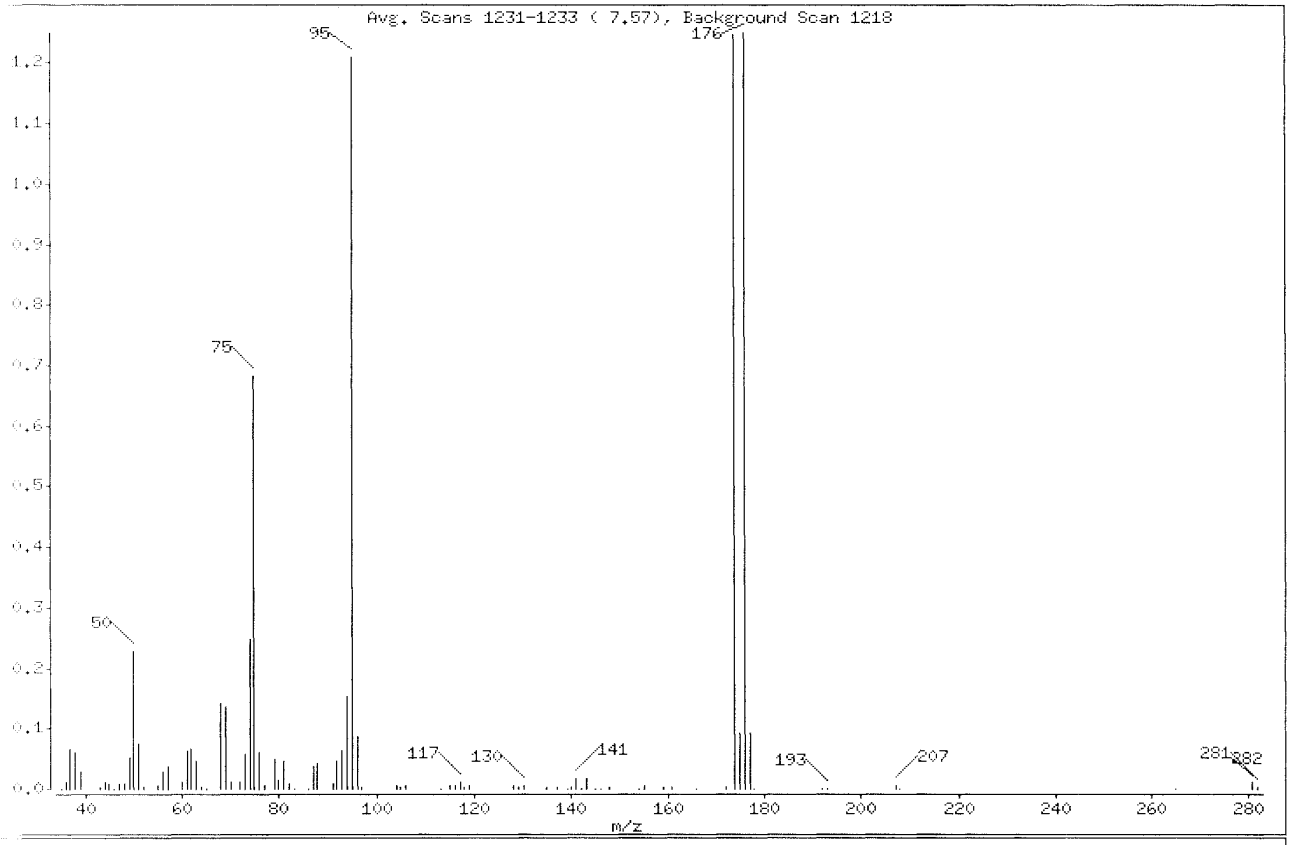
Sample Info: 1000*W3BFB01

Operator: ABD

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	18.76
75	30.00 - 60.00% of mass 95	56.45
96	5.00 - 9.00% of mass 95	7.21
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	103.01
175	5.00 - 9.00% of mass 174	7.56 (7.34)
176	95.00 - 101.00% of mass 174	103.24 (100.23)
177	5.00 - 9.00% of mass 176	7.72 (7.48)

166636

Data File: /var/chem/msv3.i/2060721.s.b/u7856.d

Date : 21-JUL-2006 07:11

Client ID: W3BFB01 Instrument: msv3.i

Sample Info: 1000*W3BFB01

Operator: ABD

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

Data File: u7856.d
Spectrum: Avg. Scans 1231-1233 (7.57), Background Scan 1218
Location of Maximum: 176.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	141	65.00	131	96.00	8729	148.00	417
36.00	1232	68.00	14143	97.00	238	154.00	109
37.00	6561	69.00	13654	104.00	644	155.00	634
38.00	6112	70.00	1204	105.00	276	159.00	283
39.00	2739	72.00	1037	106.00	485	161.00	226
43.00	179	73.00	5652	113.00	142	166.00	114
44.00	1210	74.00	24776	115.00	531	172.00	355
45.00	878	75.00	68360	116.00	496	174.00	124752
46.00	108	76.00	6082	117.00	1146	175.00	9159
47.00	971	77.00	584	118.00	341	176.00	125040
48.00	995	79.00	4953	119.00	557	177.00	9352
49.00	5180	80.00	1357	128.00	488	178.00	126
50.00	22720	81.00	4544	129.00	151	192.00	102
51.00	7454	82.00	812	130.00	642	193.00	136
52.00	329	83.00	133	135.00	341	207.00	462
55.00	591	86.00	123	137.00	352	208.00	113
56.00	2740	87.00	3699	139.00	123	265.00	100
57.00	3804	88.00	4329	140.00	160	281.00	1091
60.00	1144	91.00	733	141.00	1816	282.00	277
61.00	6261	92.00	4485	142.00	129		
62.00	6641	93.00	6264	143.00	1749		
63.00	4526	94.00	15281	145.00	111		
64.00	373	95.00	121112	146.00	125		

166637

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7858.d
Lab Smp Id: 1201 Client Smp ID: V3STD005APP9
Inj Date : 21-JUL-2006 08:08
Operator : ABD Inst ID: msv3.i
Smp Info : 1201*V3STD005APP9
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 15-Aug-2006 14:57 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 08:08 Cal File: u7858.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
68 FLUOROBENZENE	96	4.236	4.229	(1.000)	2153090	50.0000		9281
71 CHLOROBENZENE-d5	82	6.461	6.453	(1.000)	1028306	50.0000		9526
87 1,4 DICHLOROBENZENE-D4	152	8.886	8.884	(1.000)	1145692	50.0000		9601
8 Ethyl Ether	59	2.252	2.238	(0.532)	177448	25.0000	26.5	9077
15 Acetonitrile	41	2.635	2.616	(0.622)	99474	25.0000	27.9	8083
17 Allyl Chloride	39	2.629	2.616	(0.621)	69817	5.00000	5.36	8184
31 Chloroprene	53	3.201	3.188	(0.756)	80167	5.00000	5.03	8759
33 Ethyl Acetate	43	3.527	3.525	(0.833)	63862	25.0000	26.7	7142
36 Propionitril	54	3.538	3.537	(0.835)	28759	25.0000	26.0	7477
41 n Butanol	56	4.391	4.400	(1.036)	4967	25.0000	27.1	5510
53 Methyl Methacrylate	41	4.665	4.663	(1.101)	41942	5.00000	4.65	6849(a)
57 Isobutyl Alcohol	43	3.956	3.983	(0.934)	7172	25.0000	25.2	5820(H)
58 1,4 Dioxane	58	4.711	4.715	(1.112)	9424	125.000	141	6776
64 Ethyl Methacrylate	41	5.529	5.527	(1.305)	48340	5.00000	4.94	8920(a)
69 Pentachloroethane	167	8.440	8.438	(0.950)	49752	5.00000	5.09	8596
108 Benzal Chloride	125	11.099	11.103	(1.249)	30155	10.0000	9.23	8391

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
4	1,3 Butadiene	39	1.605	1.592	(0.379)	29584	5.00000	5.91	3984(M)
19	tert butyl alcohol	59	2.766	2.816	(0.653)	3614	5.00000	5.04	9077(M)
29	Isopropyl Ether	45	3.178	3.171	(0.750)	102705	5.00000	5.00	8809
50	2,3Dichloro-1-propene	75	4.642	4.635	(1.096)	78253	5.00000	4.77	9114(a)
135	Methacrylonitrile	41	3.636	3.628	(0.858)	20359	5.00000	4.59	8351(a)
136	Tetrahydrofuran	42	3.699	3.691	(0.873)	47168	25.0000	23.4	9120
147	1,5 Cyclooctadiene	67	7.531	7.523	(1.166)	66453	5.00000	4.81	8721(a)
160	1 Nitropropane	43	4.945	4.938	(1.167)	14327	5.00000	4.61	7516(a)
161	2 Nitropropane	43	5.535	5.464	(0.857)	5018	5.00000	4.03	6493(a)
165	2,2,4 Trimethylpentane	57	4.105	4.097	(0.969)	133974	5.00000	4.58	3107(aA)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv3.i/2060721.s.b/u7858.d

Date : 21-JUL-2006 08:08

Client ID: V3STD005APP9

Sample Info: 1201*V3STD005APP9

Purge Volume: 5.0

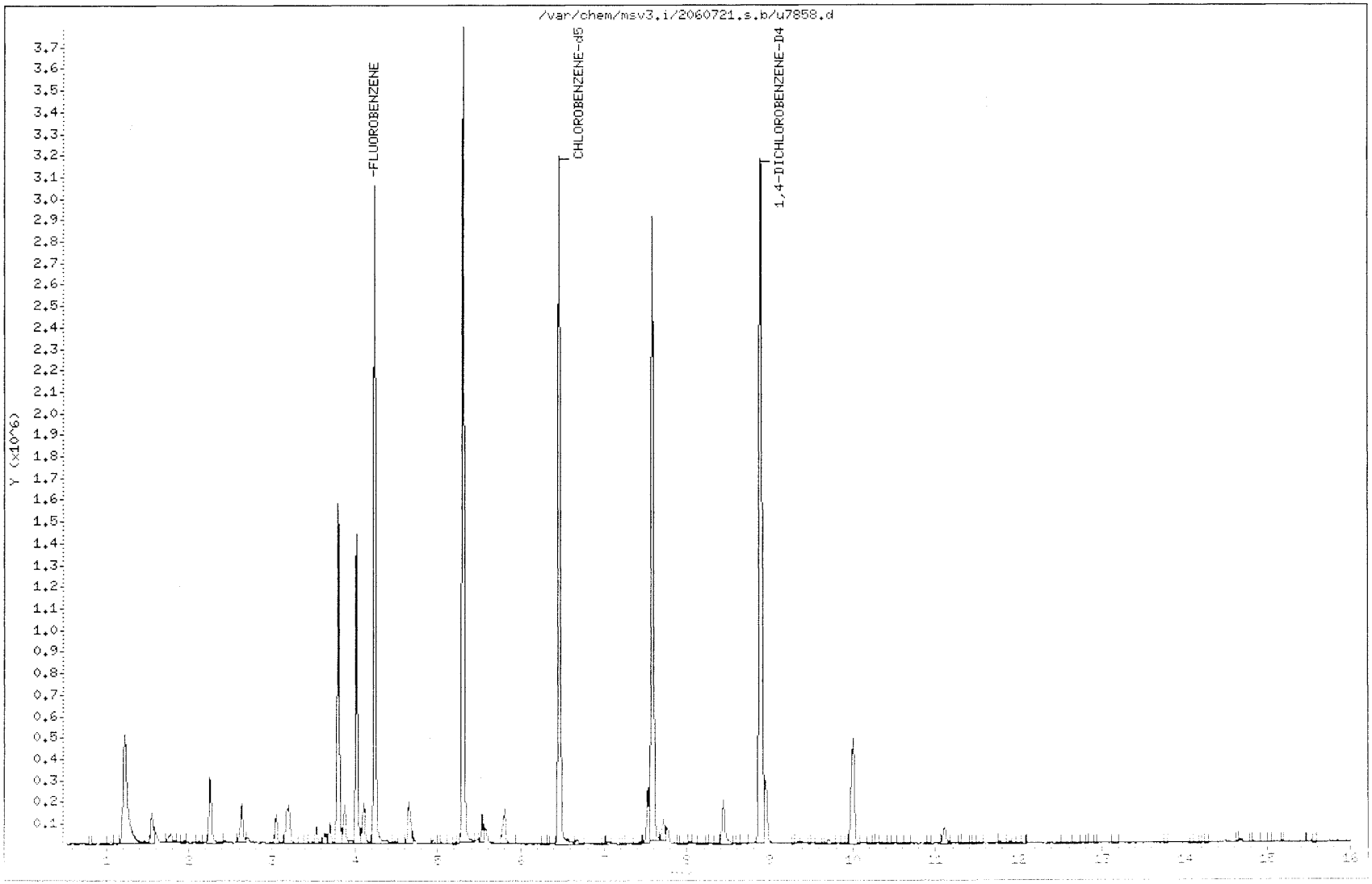
Column phase: DB-624

Instrument: msv3.i

Operator: ABD

Column diameter: 0.53

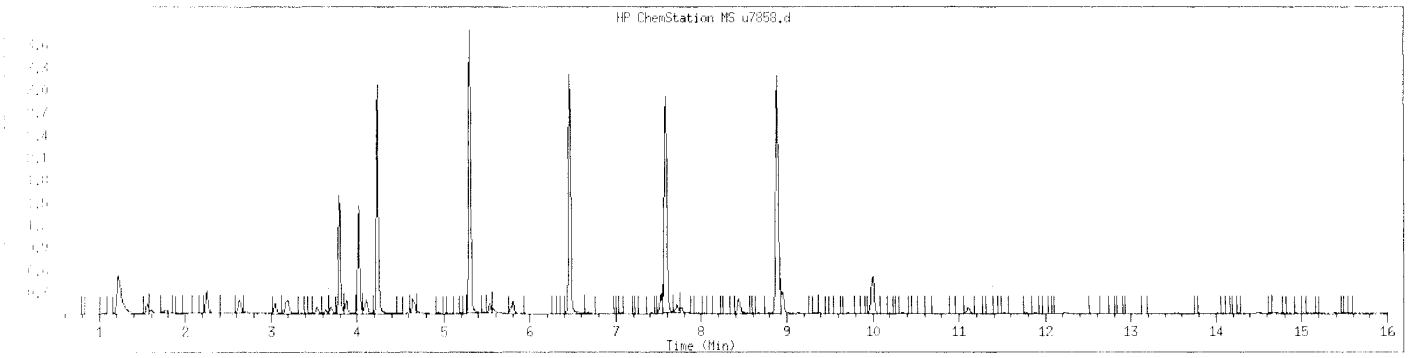
000179



Data file : /var/chem/msv3.i/2060721.s.b/u7858.d Page: 1
Report Date: 08/28/2006 13:41

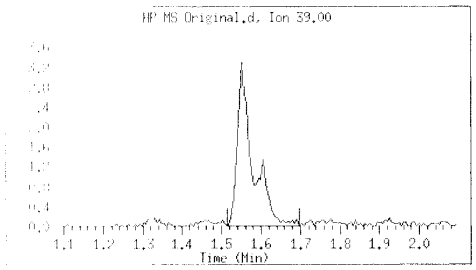
MANUAL INTEGRATION GRAPHIC REPORT

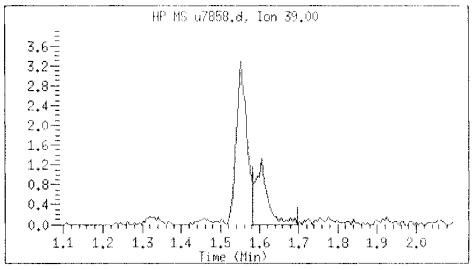
Lab ID : 1201 SampleType : CALIB_1
Injection Date: 21-JUL-2006 08:08 Instrument : msv3.i
Operator : ABD
Sample Info : 1201*V3STD005APP9
Misc Info : MSV~8732~*1*ABD
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



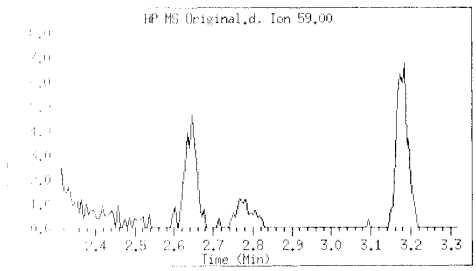
Original Final

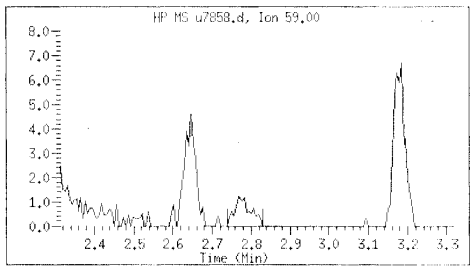
4 1,3-Butadiene CAS#: 106-99-0





19 tert-butyl alcohol CAS#: 75-65-0





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166641

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7859.d
Lab Smp Id: 1206 Client Smp ID: V3STD010APP9
Inj Date : 21-JUL-2006 08:35
Operator : ABD Inst ID: msv3.i
Smp Info : 1206*V3STD010APP9
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 15-Aug-2006 14:57 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 08:35 Cal File: u7859.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT STG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
58 FLUOROBENZENE	96	4.235	4.229	(1.000)	2195196	50.0000		9190
77 CHLOROBENZENE-d5	82	6.460	6.453	(1.000)	1065800	50.0000		9466
97 1,4 DICHLOROBENZENE-D4	152	8.885	8.884	(1.000)	1175712	50.0000		9661
8 Ethyl Ether	59	2.251	2.238	(0.531)	330297	50.0000	48.5	9252
15 Acetonitrile	41	2.628	2.616	(0.621)	184071	50.0000	50.6	8642
16 Allyl Chloride	39	2.628	2.616	(0.621)	134926	10.0000	10.2	8139
21 Chloroprene	53	3.200	3.188	(0.756)	163055	10.0000	10.0	8718
23 Ethyl Acetate	43	3.526	3.525	(0.833)	117487	50.0000	48.1	7690
36 Propionitril	54	3.532	3.537	(0.834)	55525	50.0000	49.2	7025
41 n Butanol	56	4.384	4.400	(1.035)	8771	50.0000	46.9	5723
53 Methyl Methacrylate	41	4.664	4.663	(1.101)	90144	10.0000	9.80	7008
57 Isobutyl Alcohol	43	3.955	3.983	(0.934)	16678	50.0000	57.4	7355
64 1,4 Dioxane	58	4.710	4.715	(1.112)	16794	250.000	247	8210
74 Ethyl Methacrylate	41	5.534	5.527	(1.307)	95129	10.0000	9.53	9142
92 Pentachloroethane	167	8.439	8.438	(0.950)	100556	10.0000	10.0	8900
102 Benzal Chloride	125	11.098	11.103	(1.249)	75502	20.0000	23.4	8207

000181

166642

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
4 1,3 Butadiene	39	1.599	1.592	(0.377)	56615	10.0000	11.1	4037(M)
7 tert butyl alcohol	59	2.771	2.816	(0.654)	6773	10.0000	9.26	1731(M)
29 Isopropyl Ether	45	3.171	3.171	(0.749)	213026	10.0000	10.2	9274
30 2,3Dichloro-1 propene	75	4.641	4.635	(1.096)	167770	10.0000	10.0	9060
35 Methacrylonitrile	41	3.635	3.628	(0.858)	41925	10.0000	9.28	9090
36 Tetrahydrofuran	42	3.692	3.691	(0.872)	104544	50.0000	50.8	9290
37 1,5 Cyclooctadiene	67	7.524	7.523	(1.165)	144487	10.0000	10.1	9098
40 1 Nitropropane	43	4.939	4.938	(1.166)	28159	10.0000	8.89	8331
41 2 Nitropropane	43	5.471	5.464	(0.847)	15644	10.0000	10.3	7123
44 2,2,4 Trimethylpentane	57	4.104	4.097	(0.969)	308071	10.0000	10.3	3170(A)

QC Flag Legend

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

000182

166643

Data File: /var/chem/msv3.i/2060721.s.b/u7859.d

Page 1

Date : 21-JUL-2006 08:35

Client ID: V3STD010APP9

Instrument: msv3.i

Sample Info: 1206*V3STD010APP9

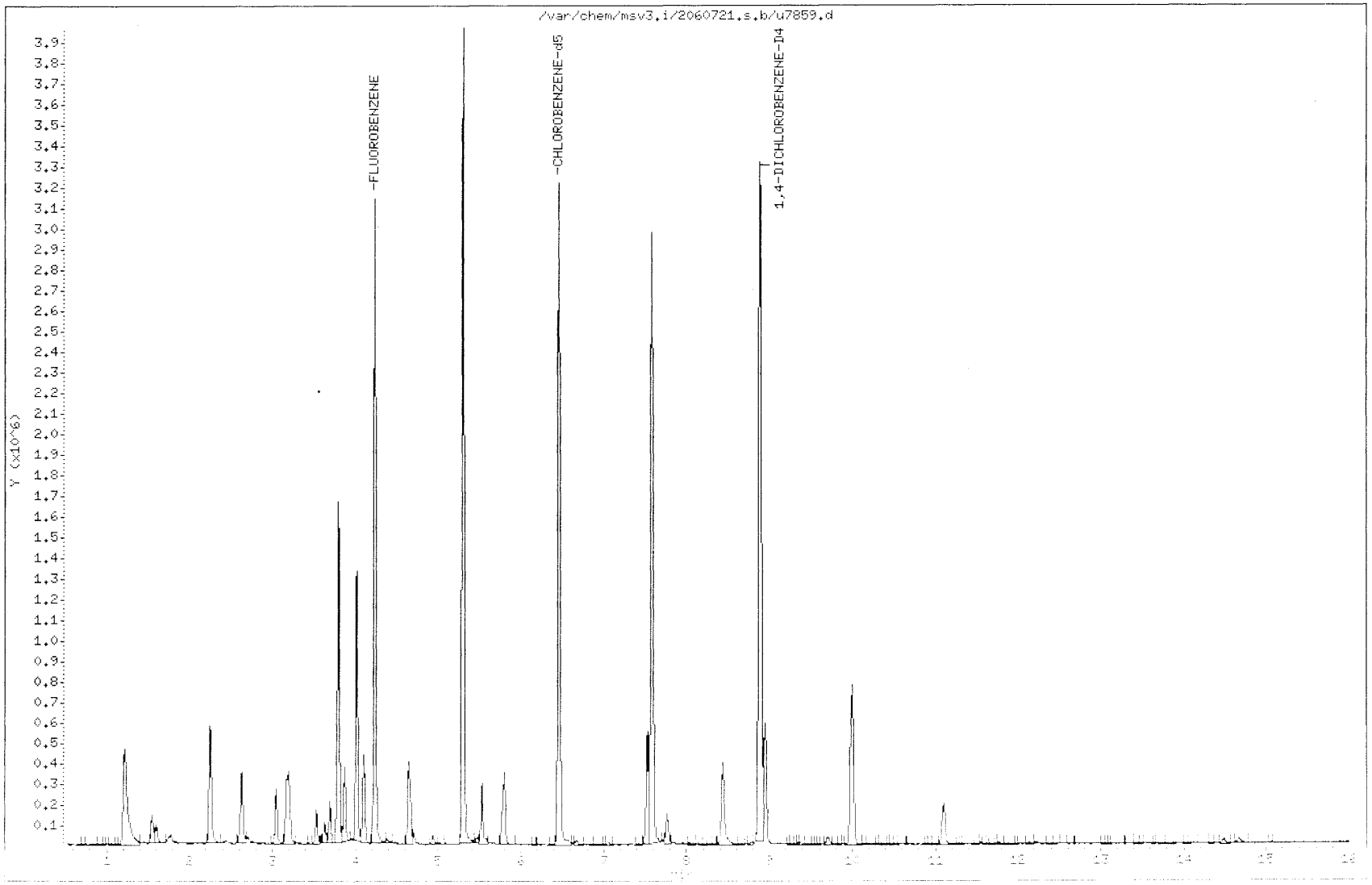
Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

000183

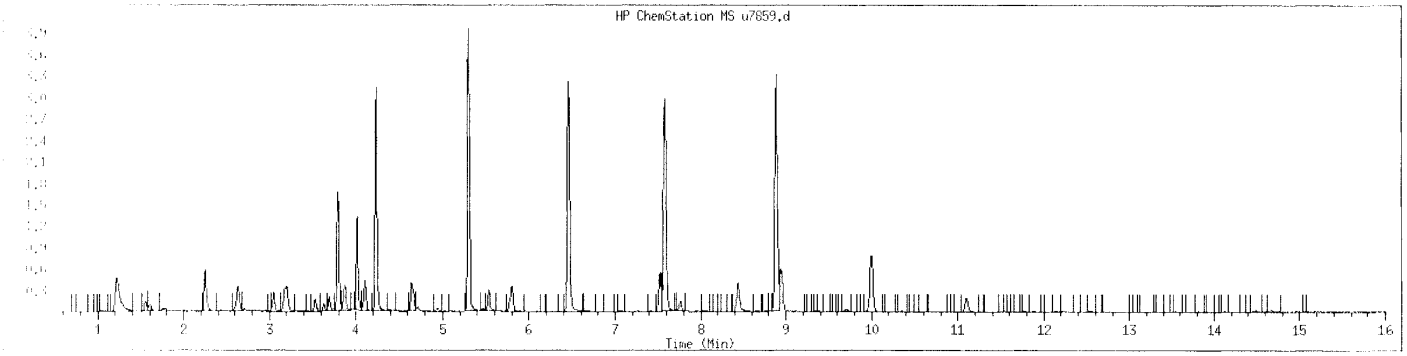


166644

Data file : /var/chem/msv3.i/2060721.s.b/u7859.d
Report Date: 08/28/2006 13:41

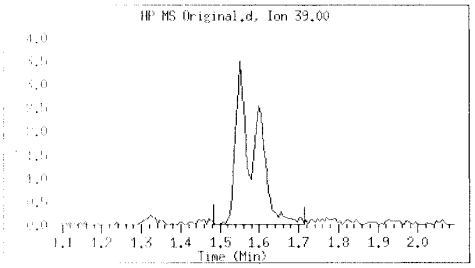
MANUAL INTEGRATION GRAPHIC REPORT

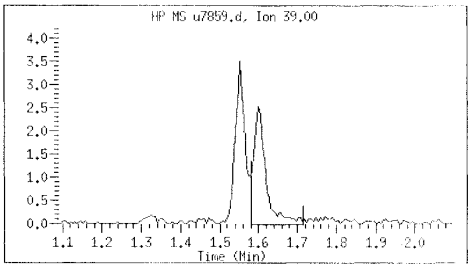
Lab ID : 1206 SampleType : CALIB 6
Injection Date: 21-JUL-2006 08:35 Instrument : msv3.i
Operator : ABD
Sample Info : 1206*V3STD010APP9
Misc Info : MSV~8732~*1*ABD
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



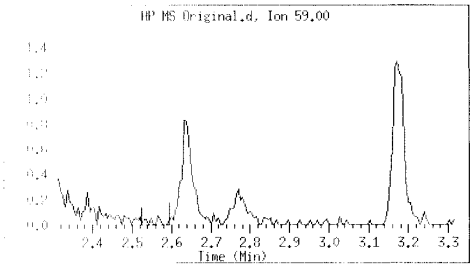
Original Final

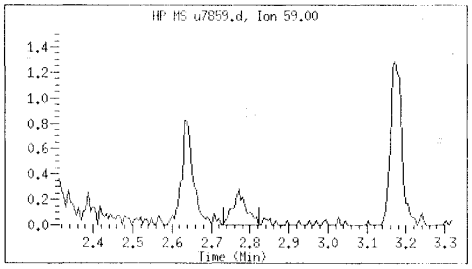
4 1,3-Butadiene CAS#: 106-99-0





19 tert-butyl alcohol CAS#: 75-65-0





000184

166645

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7860.d
Lab Smp Id: 1202 Client Smp ID: V3STD020APP9
Inj Date : 21-JUL-2006 09:01
Operator : ABD Inst ID: msv3.i
Smp Info : 1202*V3STD020APP9
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 15-Aug-2006 14:57 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 09:01 Cal File: u7860.d
Als bottle: 6 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
48 FLUOROBENZENE	96	4.232	4.229	(1.000)	2109696	50.0000		9174
71 CHLOROBENZENE-d5	82	6.457	6.453	(1.000)	1022123	50.0000		9411
97 1,4 DICHLOROBENZENE-D4	152	8.888	8.884	(1.000)	1125777	50.0000		9723
8 Ethyl Ether	59	2.248	2.238	(0.531)	662203	100.000	101	9179
15 Acetonitrile	41	2.631	2.616	(0.622)	357236	100.000	102	8261(H)
16 Ally Chloride	39	2.631	2.616	(0.622)	260813	20.0000	20.4	7735
21 Chloroprene	53	3.203	3.188	(0.757)	311329	20.0000	19.9	8394
23 Ethyl Acetate	43	3.523	3.525	(0.832)	232481	100.000	99.0	7876
26 Propionitril	54	3.534	3.537	(0.835)	106460	100.000	98.2	7775
41 n Butanol	56	4.387	4.400	(1.036)	16058	100.000	89.4	9223(MH)
53 Methyl Methacrylate	41	4.667	4.663	(1.103)	181200	20.0000	20.5	7217
57 Isobutyl Alcohol	43	3.963	3.983	(0.936)	26455	100.000	94.7	8611
58 1,4 Dioxane	58	4.713	4.715	(1.114)	33029	500.000	506	8491
64 Ethyl Methacrylate	41	5.530	5.527	(1.307)	196751	20.0000	20.5	9264
92 Pentachloroethane	167	8.436	8.438	(0.949)	203959	20.0000	21.2	9040
102 Benzal Chloride	125	11.107	11.103	(1.250)	121511	40.0000	39.3	8290

166646

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
4 1,3-Butadiene	39	1.601	1.592	(0.378)	98421	20.0000	20.1	9148
19 tert-butyl alcohol	59	2.779	2.816	(0.657)	14270	20.0000	20.3	0(M)
28 2-Butanol	45	2.248	2.248	(0.531)	441540	40.0000		9179(a)
29 Isopropyl Ether	45	3.168	3.171	(0.749)	419294	20.0000	20.9	9295
50 2,3Dichloro-1-propene	75	4.644	4.635	(1.097)	341844	20.0000	21.3	9343
75 Methacrylonitrile	41	3.632	3.628	(0.858)	91544	20.0000	21.1	9362
136 Tetrahydrofuran	42	3.689	3.691	(0.872)	208991	100.000	106	9228
137 1,5 Cyclooctadiene	67	7.521	7.523	(1.165)	285785	20.0000	20.8	9053
140 1 Nitropropane	43	4.936	4.938	(1.166)	62036	20.0000	20.4	8952
141 2 Nitropropane	43	5.468	5.464	(0.847)	32908	20.0000	21.5	7821
145 2,2,4-Trimethylpentane	57	4.101	4.097	(0.969)	597966	20.0000	20.8	3238(A)

QC Flag Legend

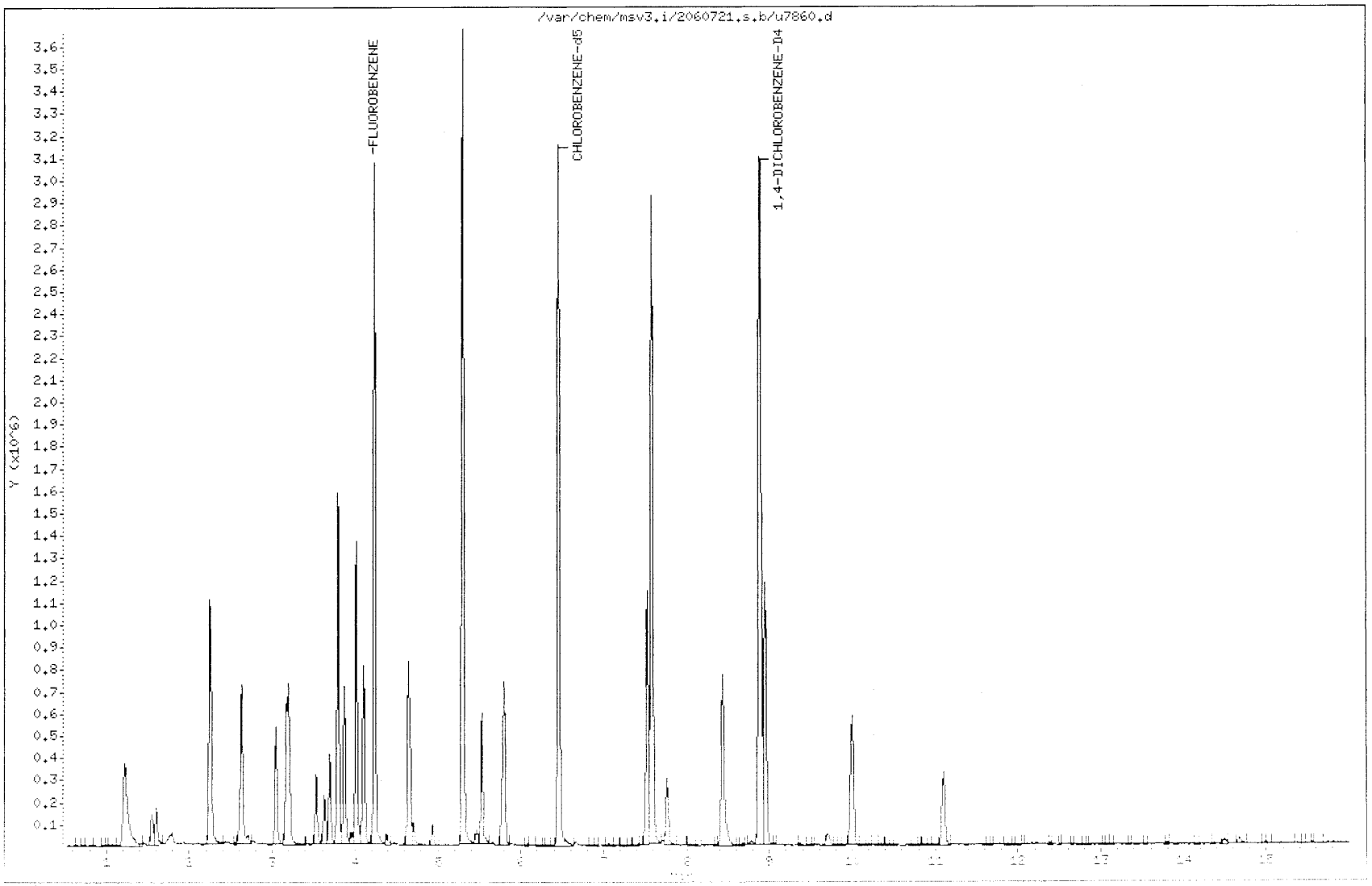
J - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

166647

000187

Data File: /var/chem/msv3.i/2060721.s.b/u7860.d
Date : 21-JUL-2006 09:01
Client ID: V3STD020APP9
Sample Info: 1202*V3STD020APP9
Purge Volume: 5.0
Column phase: DB-624

Instrument: msv3.i
Operator: ABD
Column diameter: 0.53

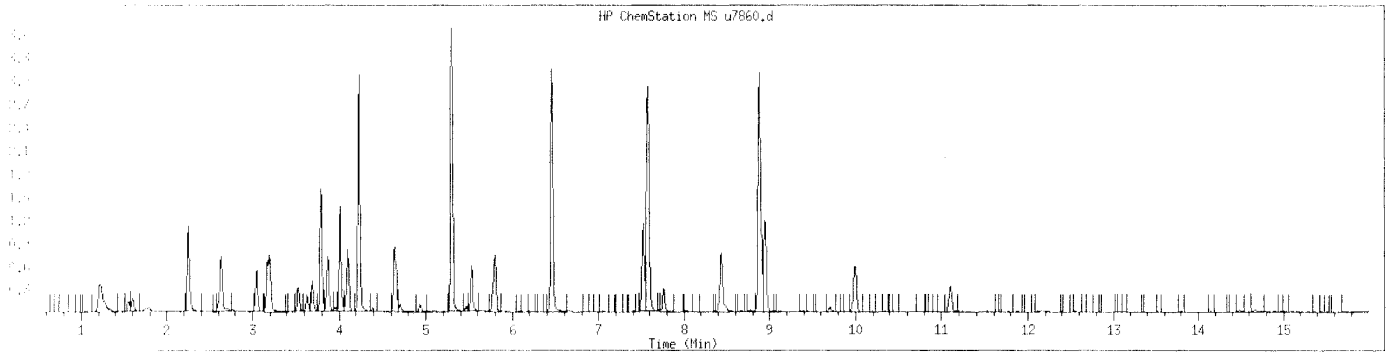


166648

Data file : /var/chem/msv3.i/2060721.s.b/u7860.d Page: 1
Report Date: 08/28/2006 13:41

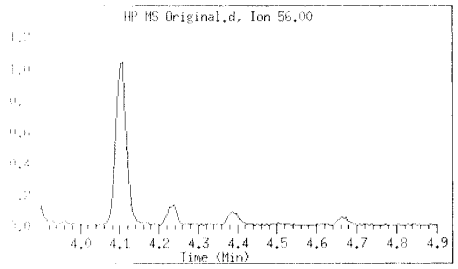
MANUAL INTEGRATION GRAPHIC REPORT

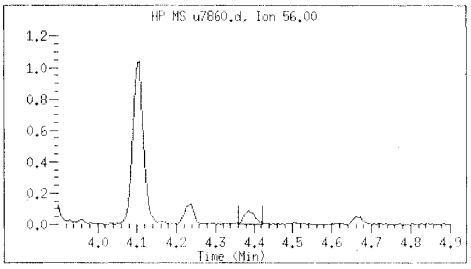
Lab ID : 1202 SampleType : CALIB_2
Injection Date: 21-JUL-2006 09:01 Instrument : msv3.i
Operator : ABD
Sample Info : 1202*V3STD020APP9
Misc Info : MSV~8732~*1*ABD
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



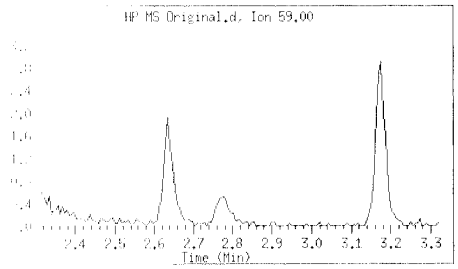
Original Final

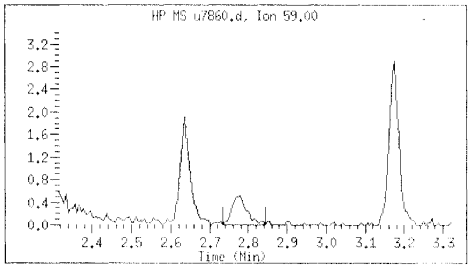
41 n-Butanol CAS#: 71-36-3





19 tert-butyl alcohol CAS#: 75-65-0





000188

166649

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7861.d
Lab Smp Id: 1203 Client Smp ID: V3STD050APP9
Inj Date : 21-JUL-2006 09:27
Operator : ABD Inst ID: msv3.i
Smp Info : 1203*V3STD050APP9
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 15-Aug-2006 14:57 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 09:27 Cal File: u7861.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
48 FLUOROBENZENE	96	4.233	4.229	(1.000)	2143960	50.0000		9195
71 CHLOROBENZENE-d5	82	6.452	6.453	(1.000)	1049068	50.0000		9291
97 1,4 DICHLOROBENZENE-D4	152	8.883	8.884	(1.000)	1176113	50.0000		9656
8 Ethyl Ether	59	2.243	2.238	(0.530)	1610051	250.000	242	9254
15 Acetonitrile	41	2.620	2.616	(0.619)	844181	250.000	238	9024
16 Allyl Chloride	39	2.620	2.616	(0.619)	603716	50.0000	46.5	8733
31 Chloroprene	53	3.192	3.188	(0.754)	797750	50.0000	50.3	8937
33 Ethyl Acetate	43	3.524	3.525	(0.832)	582168	250.000	244	7925
36 Propionitril	54	3.535	3.537	(0.835)	271082	250.000	246	8462
41 n Butanol	56	4.387	4.400	(1.036)	47972	250.000	263	9382(M)
53 Methyl Methacrylate	41	4.662	4.663	(1.101)	462411	50.0000	51.5	7003
57 Isobutyl Alcohol	43	3.970	3.983	(0.938)	68857	250.000	243	9204
58 1,4 Dioxane	58	4.708	4.715	(1.112)	92084	1250.00	1390	9119
64 Ethyl Methacrylate	41	5.531	5.527	(1.307)	486502	50.0000	49.9	9448
92 Pentachloroethane	167	8.437	8.438	(0.950)	494318	50.0000	49.3	9241
107 Benzal Chloride	125	11.096	11.103	(1.249)	320963	100.000	96.6	8328

000189

166650

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
8 1,3 Butadiene	39	1.596	1.592	(0.377)	214561	50.0000	43.0	9318(M)
10 tert Butyl alcohol	59	2.775	2.816	(0.655)	37535	50.0000	52.5	5549(MH)
29 Isopropyl Ether	45	3.169	3.171	(0.749)	954380	50.0000	46.7	9114
30 2,3Dichloro-1-propene	75	4.639	4.635	(1.096)	780876	50.0000	47.8	9174
35 Methacrylonitrile	41	3.627	3.628	(0.857)	232490	50.0000	52.7	9333
36 Tetrahydrofuran	42	3.690	3.691	(0.872)	508914	250.000	253	9462
137 1,5 Cyclooctadiene	67	7.522	7.523	(1.166)	694882	50.0000	49.3	9144
140 1 Nitropropane	43	4.936	4.938	(1.166)	153918	50.0000	49.7	9498
141 2 Nitropropane	43	5.463	5.464	(0.847)	78598	50.0000	48.7	9021
145 2,2,4 Trimethylpentane	57	4.101	4.097	(0.969)	1389121	50.0000	47.6	3192(A)

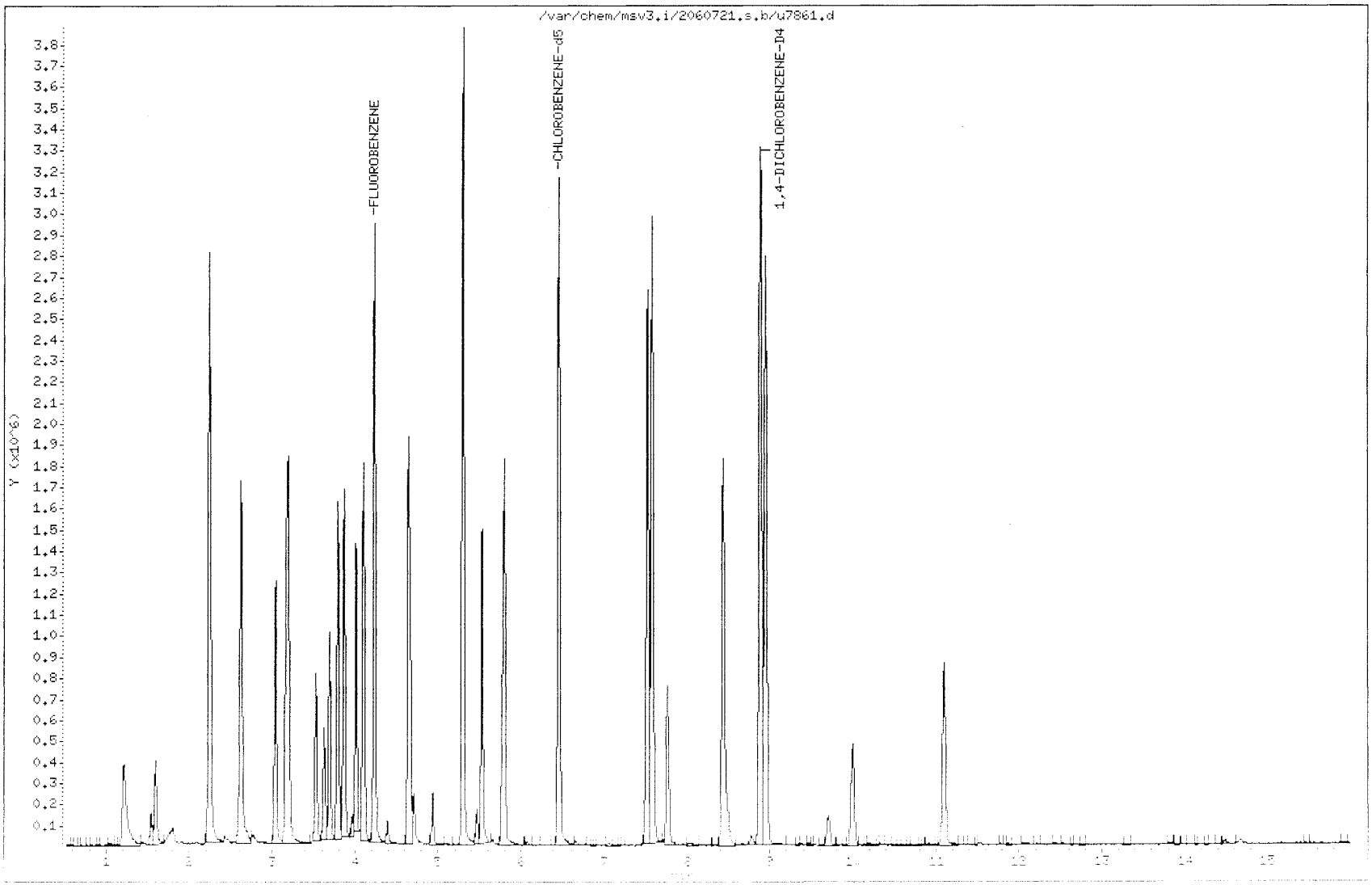
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
R - Operator selected an alternate compound hit.

000191

Data File: /var/chem/msv3.i/2060721.s.b/u7861.d
Date : 21-JUL-2006 09:27
Client ID: V3STD050APP9
Sample Info: 1203*V3STD050APP9
Purge Volume: 5.0
Column phase: DB-624

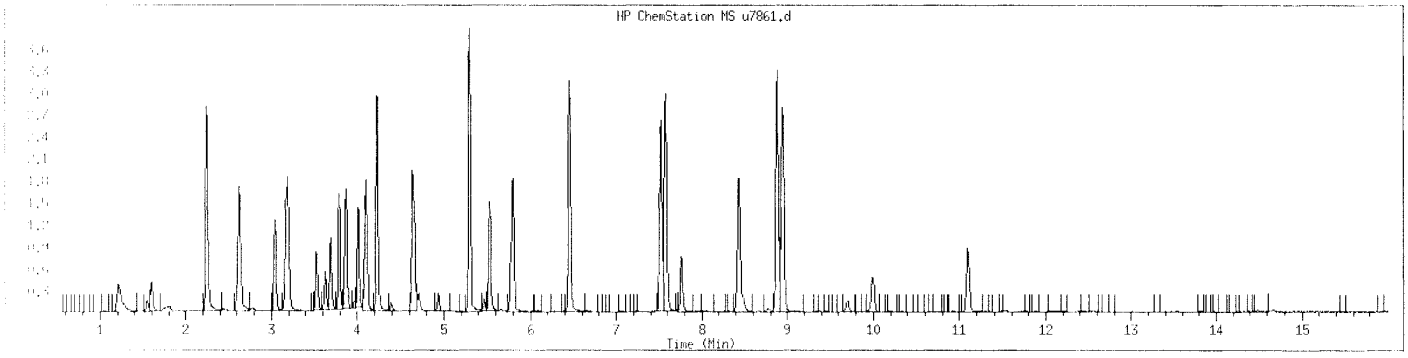
Instrument: msv3.i
Operator: ABD
Column diameter: 0.53



166652

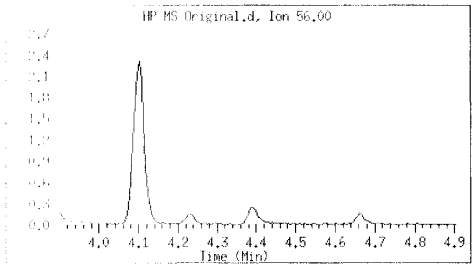
MANUAL INTEGRATION GRAPHIC REPORT

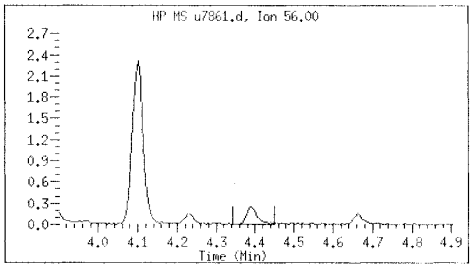
Lab ID : 1203 SampleType : CALIB_3
Injection Date: 21-JUL-2006 09:27 Instrument : msv3.i
Operator : ABD
Sample Info : 1203*V3STD050APP9
Misc Info : MSV~8732~*1*ABD
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



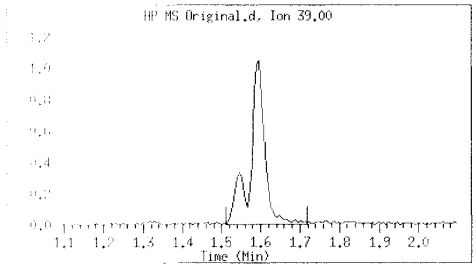
Original Final

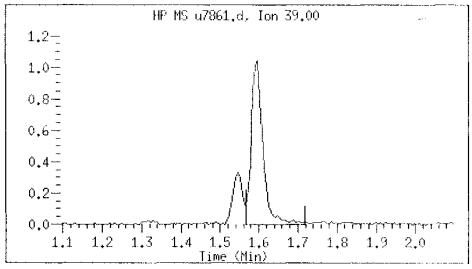
41 n-Butanol CAS#: 71-36-3





4 1,3-Butadiene CAS#: 106-99-0



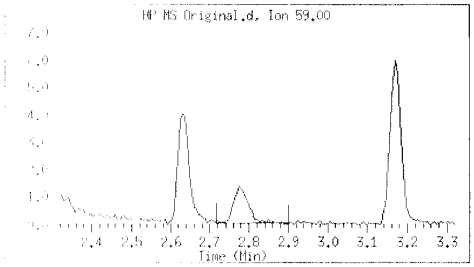


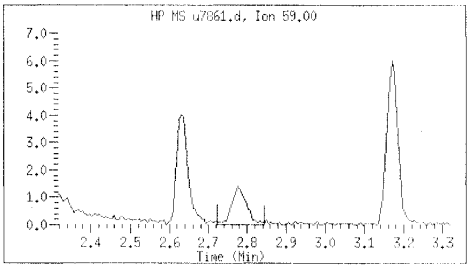
000192

166653

Original Final

19 tert-butyl alcohol CAS#: 75-65-0





000193

166654

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7862.d
Lab Smp Id: 1204 Client Smp ID: V3STD100APP9
Inj Date : 21-JUL-2006 09:53
Operator : ABD Inst ID: msv3.i
Smp Info : 1204*V3STD100APP9
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 15-Aug-2006 14:57 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 09:53 Cal File: u7862.d
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

		QUANT SIG					AMOUNTS		
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
38	FLUOROBENZENE	96	4.226	4.229	(1.000)	2106435	50.0000		9152
71	CHLOROBENZENE-d5	82	6.457	6.453	(1.000)	1076150	50.0000		9499
97	1,4 DICHLOROBENZENE-D4	152	8.882	8.884	(1.000)	1205651	50.0000		9673
8	Ethyl Ether	59	2.242	2.238	(0.530)	3208005	500.000	490	9170
15	Acetonitrile	41	2.614	2.616	(0.618)	1652652	500.000	473	9184
16	Ally Chloride	39	2.614	2.616	(0.618)	1230777	100.000	96.6	9195
31	Chloroprene	53	3.191	3.188	(0.755)	1529900	100.000	98.1	8778
33	Ethyl Acetate	43	3.523	3.525	(0.834)	1279850	500.000	546	8014
36	Propionitril	54	3.534	3.537	(0.836)	550742	500.000	509	8409
41	n Butanol	56	4.398	4.400	(1.041)	92960	500.000	518	6356
53	Methyl Methacrylate	41	4.661	4.663	(1.103)	909846	100.000	103	7176
57	Isobutyl Alcohol	43	3.975	3.983	(0.940)	139278	500.000	499	9429
64	1,4 Dioxane	58	4.712	4.715	(1.115)	161148	2500.00	2470	9430
84	Ethyl Methacrylate	41	5.525	5.527	(1.307)	990905	100.000	103	9392
92	Pentachloroethane	167	8.436	8.438	(0.950)	996684	100.000	96.9	9241
102	Benzal Chloride	125	11.101	11.103	(1.250)	749761	200.000	202	8551

000194

166655

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
4 1,3 Butadiene	39	1.595	1.592	(0.378)	435302	100.000	88.9	9520
29 tert-butyl alcohol	59	2.797	2.816	(0.662)	65404	100.000	93.2	5422
39 Isopropyl Ether	45	3.168	3.171	(0.750)	1972107	100.000	98.2	8860
80 2,3Dichloro-1-propene	75	4.638	4.635	(1.097)	1628288	100.000	101	9260
105 Methacrylonitrile	41	3.626	3.628	(0.858)	444399	100.000	103	9412
106 Tetrahydrofuran	42	3.689	3.691	(0.873)	1010185	500.000	511	9488
137 1,5 Cyclooctadiene	67	7.521	7.523	(1.165)	1426804	100.000	98.6	9142
140 1 Nitropropane	43	4.936	4.938	(1.168)	329242	100.000	108	9462
141 2 Nitropropane	43	5.467	5.464	(0.847)	168174	100.000	101	9327
145 2,2,4 Trimethylpentane	57	4.095	4.097	(0.969)	2974876	100.000	104	3085(A)

QC Flag Legend

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

166656

Data File: /var/chem/msv3.i/2060721.s.b/u7862.d

Date : 21-JUL-2006 09:53

Client ID: V3STD100APP9

Instrument: msv3.i

Sample Info: 1204*V3STD100APP9

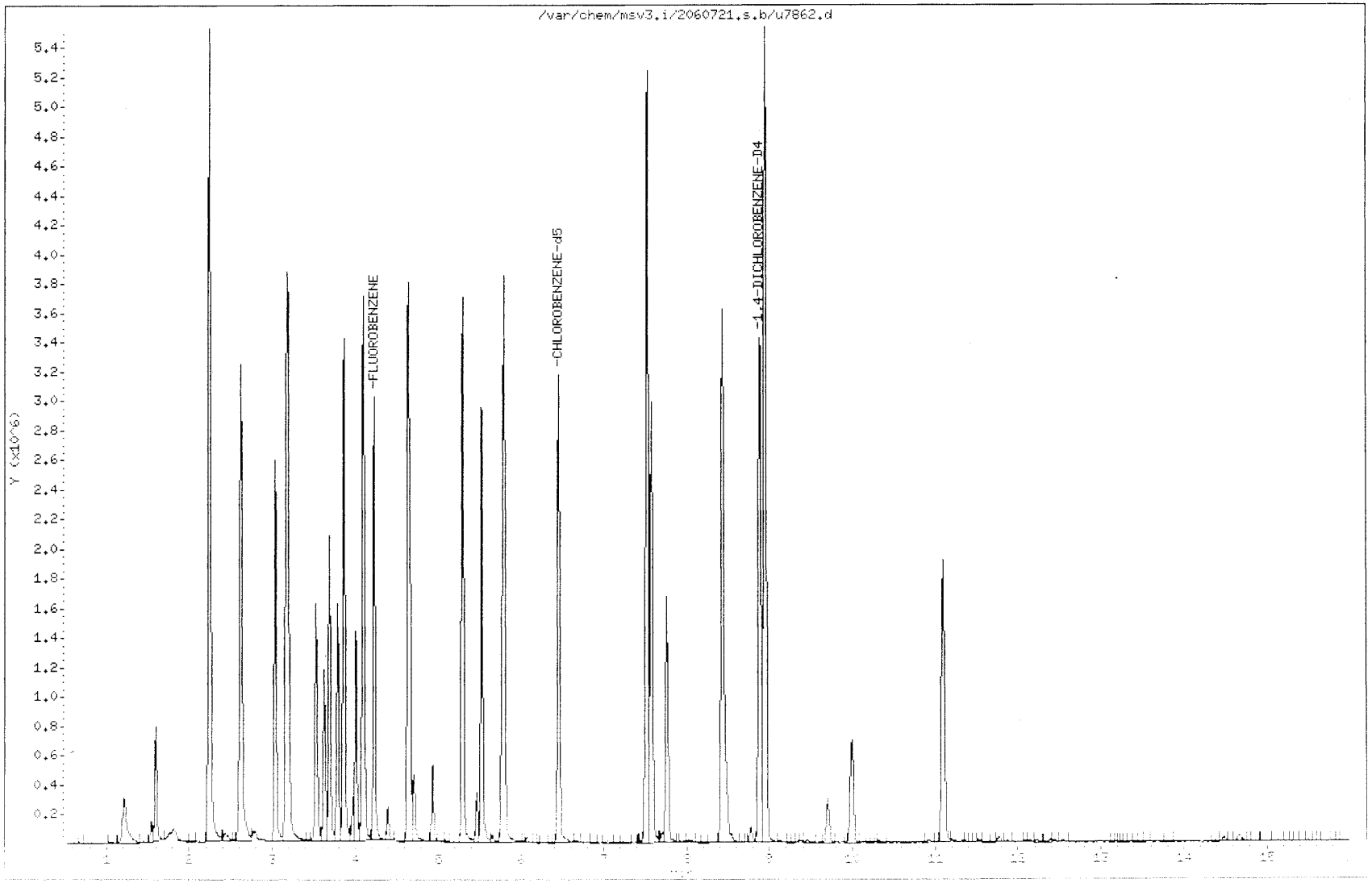
Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

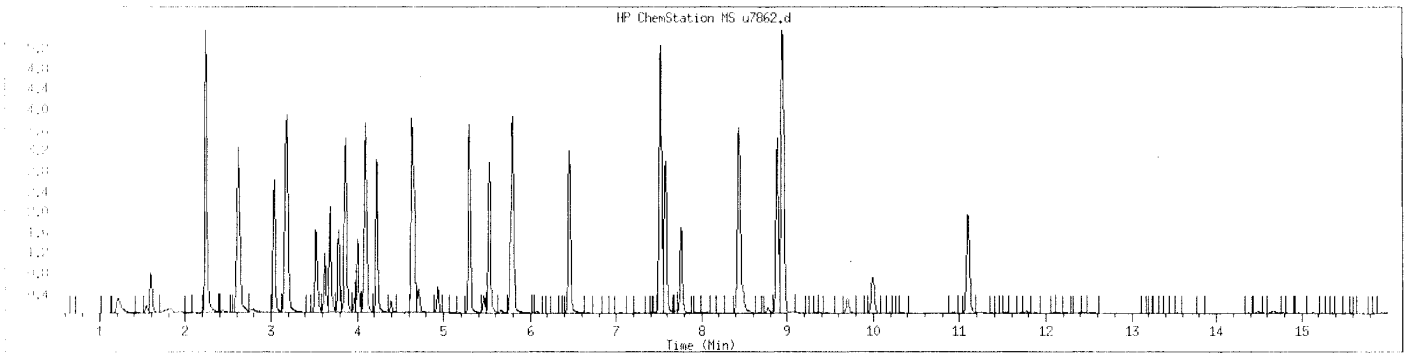
Column diameter: 0.53

000196



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1204	SampleType	: CALIB_4
Injection Date	: 21-JUL-2006 09:53	Instrument	: msv3.i
Operator	: ABD		
Sample Info	: 1204*V3STD100APP9		
Misc Info	: MSV~8732~*1*ABD		
Method	: /var/chem/msv3.i/2060721.s.b/8260Bw3.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	APP9



NO MANUAL INTEGRATIONS

166658

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7863.d
Lab Smp Id: 1205 Client Smp ID: V3STD200APP9
Inj Date : 21-JUL-2006 10:19
Operator : ABD Inst ID: msv3.i
Smp Info : 1205*V3STD200APP9
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 15-Aug-2006 14:57 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 10:19 Cal File: u7863.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
48 FLUOROBENZENE	96	4.229	4.229	(1.000)	2201513	50.0000		9239
71 CHLOROBENZENE-d5	82	6.453	6.453	(1.000)	1106672	50.0000		9429
97 1,4 DICHLOROBENZENE-D4	152	8.884	8.884	(1.000)	1257278	50.0000		9592
8 Ethyl Ether	59	2.238	2.238	(0.529)	6902938	1000.00	1010	9180(A)
15 Acetonitrile	41	2.616	2.616	(0.619)	3480171	1000.00	954	9172
16 Allyl Chloride	39	2.616	2.616	(0.619)	2648724	200.000	199	8980
31 Chloroprene	53	3.188	3.188	(0.754)	3286117	200.000	202	9184(A)
33 Ethyl Acetate	43	3.525	3.525	(0.834)	2234827	1000.00	912	8282
35 Propionitril	54	3.537	3.537	(0.836)	1124699	1000.00	994	8543
41 n Butanol	56	4.400	4.400	(1.041)	187156	1000.00	998	6400
54 Methyl Methacrylate	41	4.663	4.663	(1.103)	1850872	200.000	201	7288(A)
57 Isobutyl Alcohol	43	3.983	3.983	(0.942)	270685	1000.00	929	9399
58 1,4 Dioxane	58	4.715	4.715	(1.115)	319747	5000.00	4690	9344
66 Ethyl Methacrylate	41	5.527	5.527	(1.307)	2004299	200.000	200	9336(A)
92 Pentachloroethane	167	8.438	8.438	(0.950)	2066516	200.000	193	9319
100 Benzal Chloride	125	11.103	11.103	(1.250)	2345603	400.000	400	9062

000198

166659

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
6 1,3 Butadiene	39	1.592	1.592	(0.376)	980127	200.000	191	9669
19 tert-butyl alcohol	59	2.816	2.816	(0.666)	157110	200.000	214	5429(A)
29 Isopropyl Ether	45	3.171	3.171	(0.750)	4291006	200.000	204	8242(A)
56 2,3Dichloro-1-propene	75	4.635	4.635	(1.096)	3395207	200.000	202	9197(A)
78 Methacrylonitrile	41	3.628	3.628	(0.858)	923733	200.000	204	9418(A)
84 Tetrahydrofuran	42	3.691	3.691	(0.873)	1976897	1000.00	958	9469
94 1,5 Cyclooctadiene	67	7.523	7.523	(1.166)	3027337	200.000	204	9146(A)
100 1 Nitropropane	43	4.938	4.938	(1.168)	695072	200.000	219	9698(A)
101 2 Nitropropane	43	5.464	5.464	(0.847)	344892	200.000	200	9386
115 2,2,4 Trimethylpentane	57	4.097	4.097	(0.969)	6108510	200.000	204	3048(A)

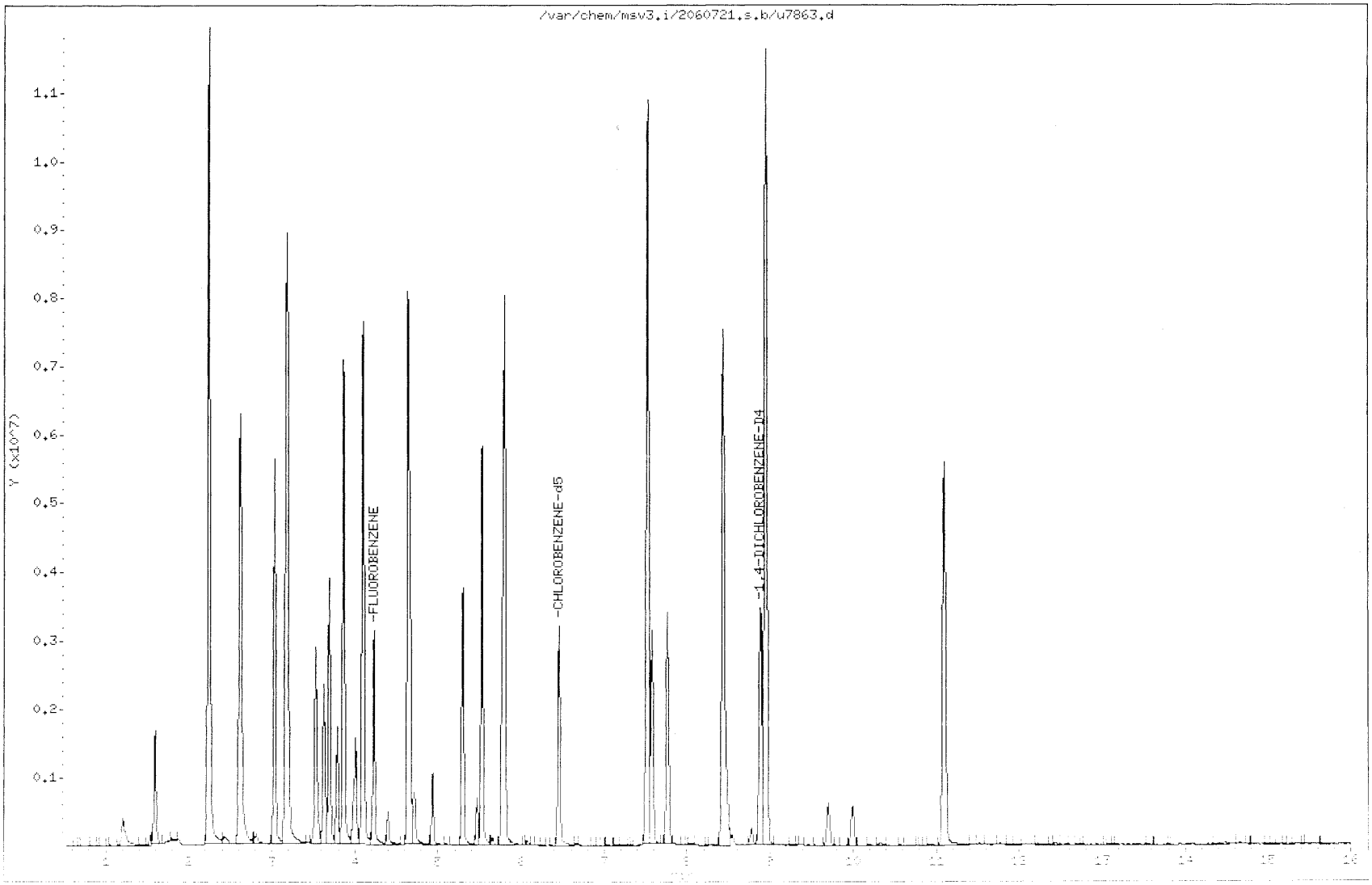
QC Flag Legend

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

000200

Data File: /var/chem/msv3.i/2060721.s.b/u7863.d
Date : 21-JUL-2006 10:19
Client ID: W3STD200APP9
Sample Info: 1205*W3STD200APP9
Purge Volume: 5.0
Column phase: DB-624

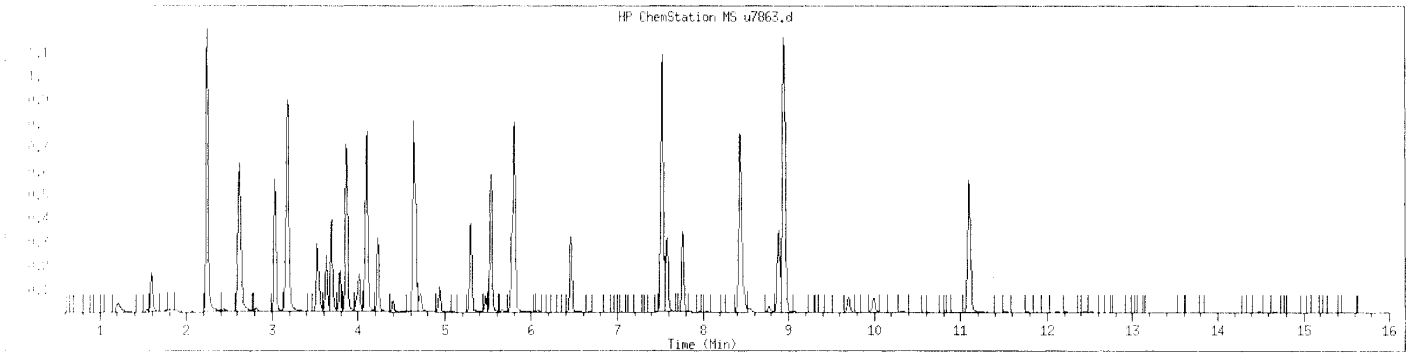
Instrument: msv3.i
Operator: ABD
Column diameter: 0.53



166661

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1205	SampleType	: CALIB_5
Injection Date	: 21-JUL-2006 10:19	Instrument	: msv3.i
Operator	: ABD		
Sample Info	: 1205*V3STD200APP9		
Misc Info	: MSV~8732~*1*ABD		
Method	: /var/chem/msv3.i/2060721.s.b/8260Bw3.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	APP9



NO MANUAL INTEGRATIONS

166662

Data file : /var/chem/msv3.i/2060721.s.b/u7865.d
Report Date: 08/10/2006 14:37

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 206072131
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 1600
Client Smp ID: APP9ICV
Level: LOW
Operator: ABD
Data Type: MS DATA
Sample Type: LCS
SpikeList File: APP9ICV.spk
Quant Type: ISTD
Sublist File: APP9.sub
Method File: /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Misc Info: MSV~8732~*1*ABD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
4	1,3-Butadiene	50.0	43.1	86.15	70-130
8	Ethyl Ether	250	251	100.33	70-130
15	Acetonitrile	250	257	102.95	70-130
16	Ally Chloride	50.0	53.0	105.95	70-130
19	tert-butyl alcohol	50.0	42.5	84.90	70-130
27	Isobutyl Alcohol	250	242	97.00	70-130
28	2 Butanol	100	0.00		70-130
29	Isopropyl Ether	50.0	59.5	118.97	70-130
31	Chloroprene	50.0	53.1	106.19	70-130
33	Ethyl Acetate	500	499	99.78	70-130
36	Propionitril	250	263	105.25	70-130
41	n-Butanol	250	297	119.00	70-130
50	2,3Dichloro-1-propene	50.0	56.8	113.66	70-130
53	Methyl Methacrylate	50.0	56.3	112.67	70-130
54	1,4-Dioxane	1250	1330	106.68	70-130
64	Ethyl Methacrylate	50.0	56.4	112.74	70-130
81	Cyclohexanone	100	0.00		70-130
92	Pentachloroethane	50.0	51.3	102.66	70-130
102	Benzal Chloride	100	121	120.67	70-130
135	Methacrylonitrile	50.0	62.3	124.51	70-130
136	Tetrahydrofuran	250	235	94.13	70-130
137	1,5-Cyclooctadiene	50.0	54.1	108.11	70-130

166663

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721.s.b/u7865.d
Lab Smp Id: 1600 Client Smp ID: APP9ICV
Inj Date : 21-JUL-2006 11:11
Operator : ABD Inst ID: msv3.i
Smp Info : 1600*APP9ICV
Misc Info : MSV~8732~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721.s.b/8260Bw3.m
Meth Date : 07-Aug-2006 17:41 rjo Quant Type: ISTD
Cal Date : 21-JUL-2006 10:19 Cal File: u7863.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
48 FLUOROBENZENE	96	4.227	4.229	(1.000)	2173687	50.0000		9214
71 CHLOROBENZENE-d5	82	6.452	6.453	(1.000)	1099549	50.0000		9289
97 1,4 DICHLOROBENZENE-D4	152	8.882	8.884	(1.000)	1210595	50.0000		9556
8 Ethyl Ether	59	2.242	2.238	(0.530)	1692934	250.830	251	9194
15 Acetonitrile	41	2.620	2.616	(0.620)	927128	257.373	257	9058
16 Allyl Chloride	39	2.620	2.616	(0.620)	696758	52.9772	53.0	8852
31 Chloroprene	53	3.192	3.188	(0.755)	854480	53.0965	53.1	8682
34 Ethyl Acetate	43	3.518	3.525	(0.832)	1206515	498.906	499	8945
36 Propionitril	54	3.529	3.537	(0.835)	294010	263.121	263	6576
41 n Butanol	56	4.387	4.400	(1.038)	55082	297.492	297	6291
53 Methyl Methacrylate	41	4.662	4.663	(1.103)	512963	56.3362	56.3	7194
57 Isobutyl Alcohol	43	3.958	3.983	(0.936)	69775	242.492	242	9108
58 1,4 Dioxane	58	4.707	4.715	(1.114)	89711	1333.53	1330	9040
66 Ethyl Methacrylate	41	5.525	5.527	(1.307)	557129	56.3693	56.4	9390
92 Pentachloroethane	167	8.431	8.438	(0.949)	530152	51.3322	51.3	9135

000203

166664

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
102 Benzal Chloride	125	11.096	11.103	(1.249)	420022	120.668	121	8379
4 1,3 Butadiene	39	1.596	1.592	(0.378)	217758	43.0761	43.1	9198
19 tert-butyl alcohol	59	2.768	2.816	(0.655)	30758	42.4524	42.5	5381
29 Isopropyl Ether	45	3.163	3.171	(0.748)	1232530	59.4856	59.5	9282
30 2,3Dichloro-1-propene	75	4.639	4.635	(1.097)	941698	56.8304	56.8	9312
135 Methacrylonitrile	41	3.626	3.628	(0.858)	278478	62.2561	62.3	9474
136 Tetrahydrofuran	42	3.689	3.691	(0.873)	479628	235.321	235	9359
137 1,5 Cyclooctadiene	67	7.521	7.523	(1.166)	798889	54.0562	54.1	9116
140 1 Nitropropane	43	4.930	4.938	(1.166)	178497	56.8854	56.9	9453
141 2 Nitropropane	43	5.462	5.464	(0.847)	87190	51.5273	51.5	9197
144 2,2,4 Trimethylpentane	57	4.101	4.097	(0.970)	1882511	63.6757	63.7	3147(A)

QC Flag Legend

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

166665

Data File: /var/chem/msv3.i/2060721.s.b/u7865.d

Page 1

Date : 21-JUL-2006 11:11

Client ID: APP9ICV

Instrument: msv3.i

Sample Info: 1600*APP9ICV

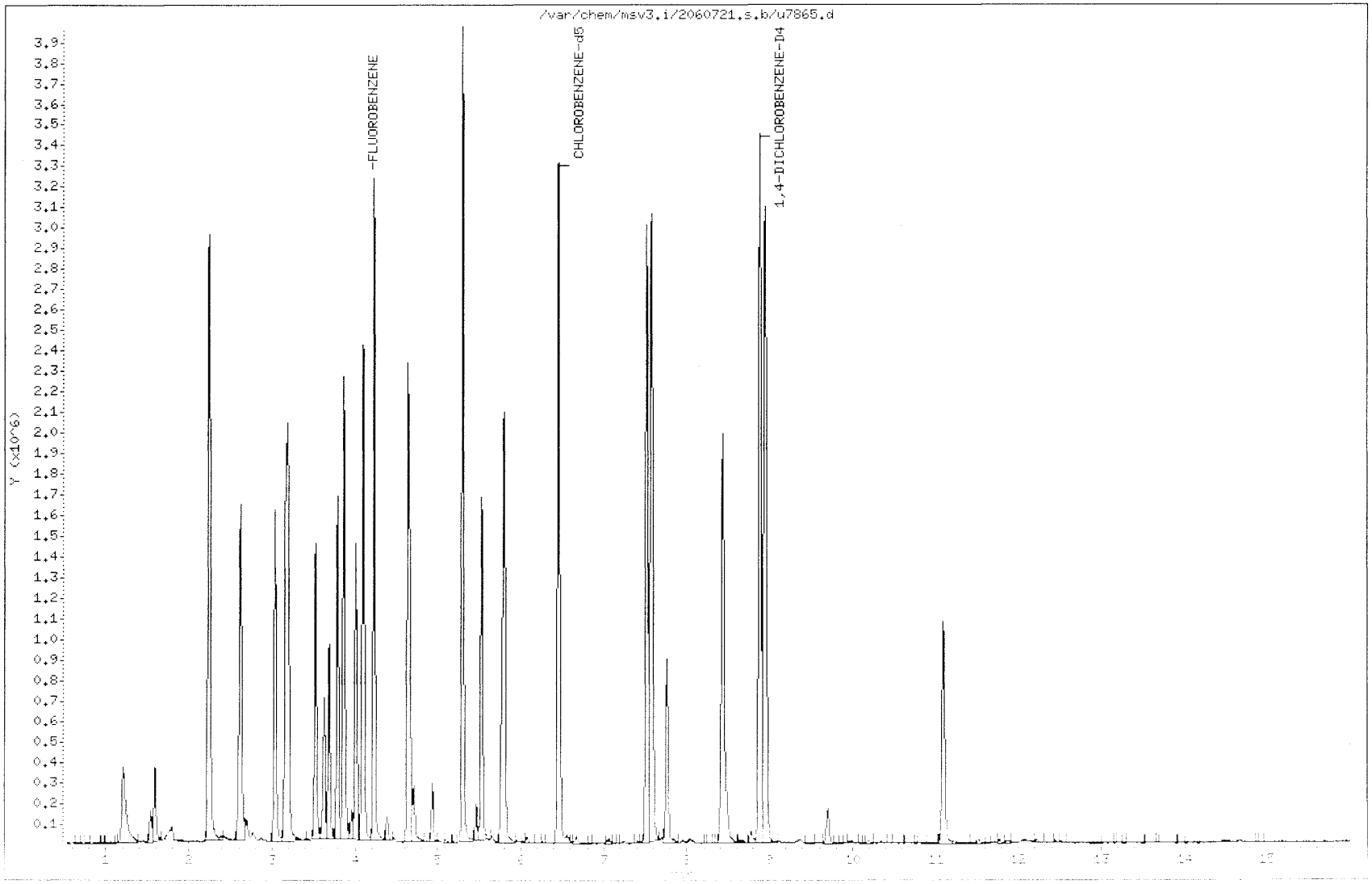
Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

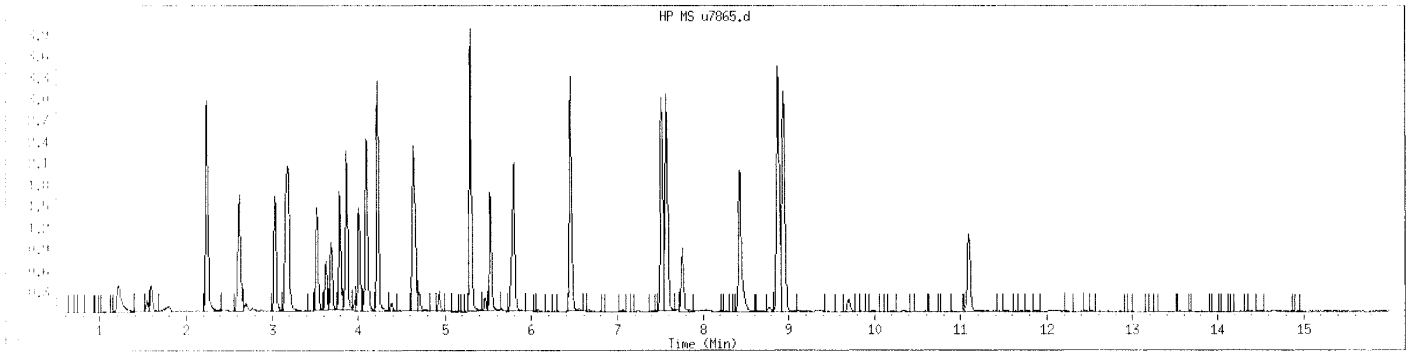
000205



166666

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 21-JUL-2006 11:11	Instrument	: msv3.i
Operator	: ABD		
Sample Info	: 1600*APP9ICV		
Misc Info	: MSV~8732~*1*ABD		
Method	: /var/chem/msv3.i/2060721.s.b/8260Bw3.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: APP9



NO MANUAL INTEGRATIONS

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7866.d
Lab Smp Id: 1000 Client Smp ID: V3BFB01
Inj Date : 21-JUL-2006 11:33
Operator : ABD Inst ID: msv3.i
Smp Info : 1000*V3BFB01
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/bfb3.m
Meth Date : 27-Jun-2006 14:01 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		
7.566	7.500 (0.000)	95	75530			100.00- 100.00	93.17
7.566	7.500 (0.000)	50	15205			15.00- 40.00	20.13
7.566	7.500 (0.000)	75	42144			30.00- 60.00	55.80
7.566	7.500 (0.000)	96	5166			5.00- 9.00	6.84
7.566	7.500 (0.000)	173	242			0.00- 2.00	0.30
7.566	7.500 (0.000)	174	81066			50.00- 120.00	107.33
7.566	7.500 (0.000)	175	6858			5.00- 9.00	8.46
7.566	7.500 (0.000)	176	78736			95.00- 101.00	97.13
7.566	7.500 (0.000)	177	5958			5.00- 9.00	7.57

166668

Data File: /var/chem/msv3.i/2060721p.s.b/u7866.d

Date : 21-JUL-2006 11:33

Client ID: V3BFB01

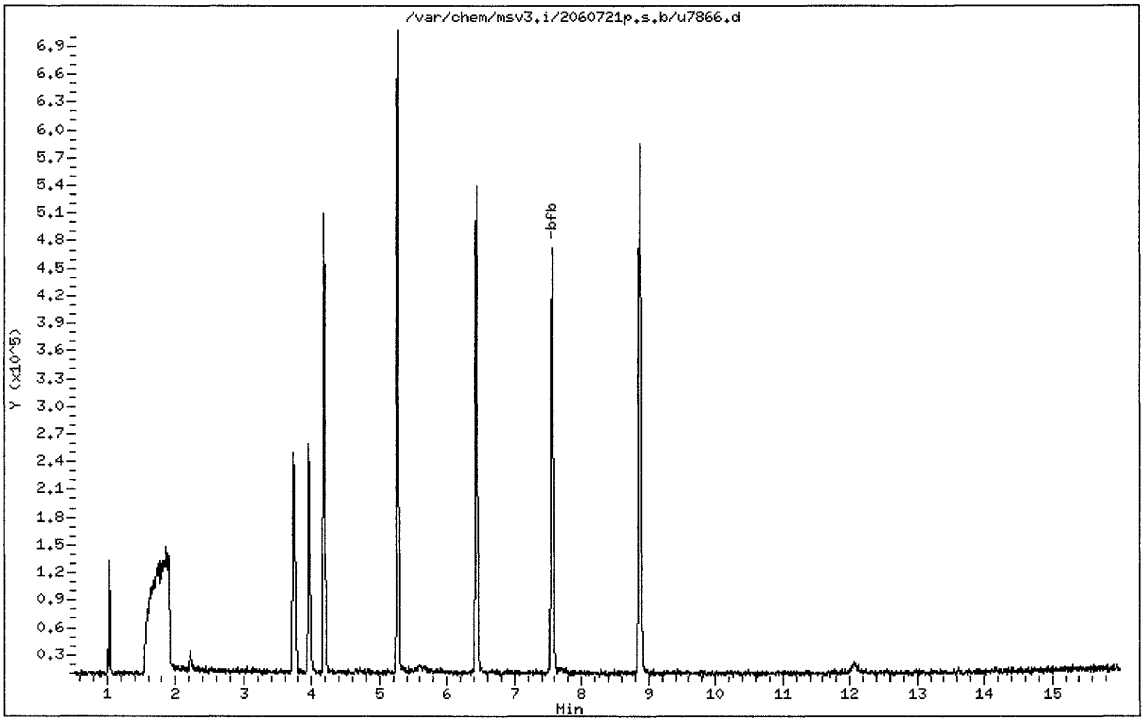
Instrument: msv3.i

Sample Info: 1000*V3BFB01

Operator: ABD

Column phase: DB-624-30M

Column diameter: 0.53



166669

Data File: /var/chem/msv3.i/2060721p.s.b/u7866.d

Date : 21-JUL-2006 11:33

Client ID: V3BFB01

Instrument: msv3.i

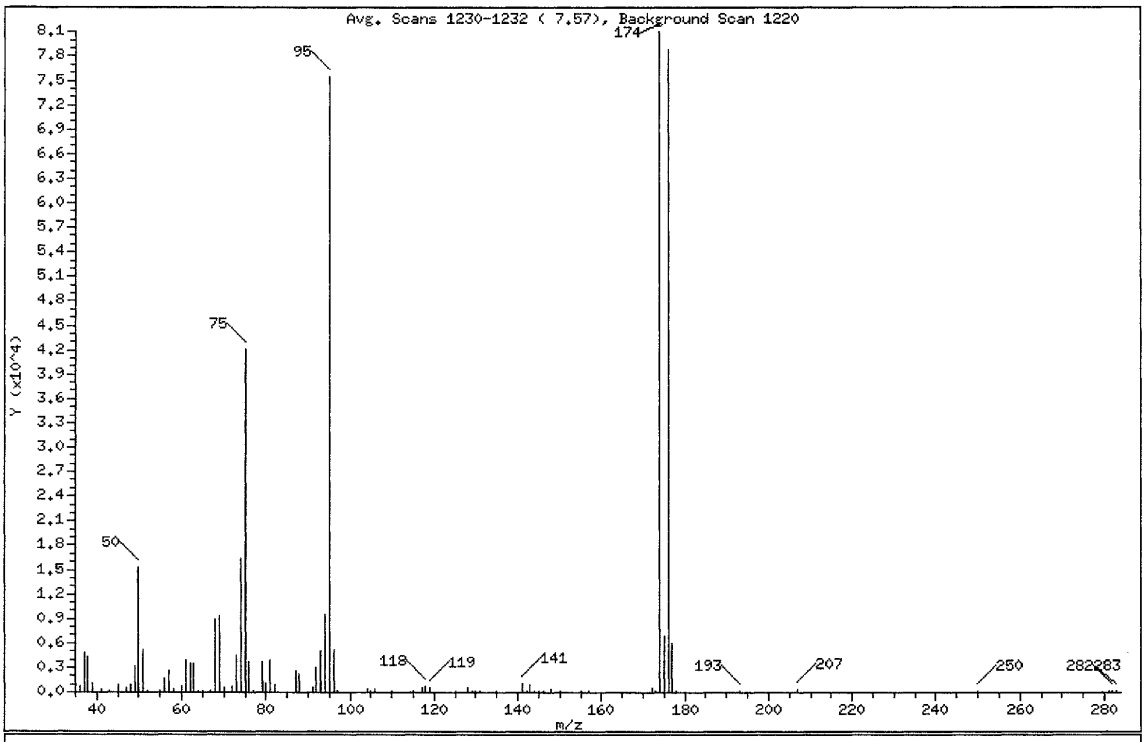
Sample Info: 1000xV3BFB01

Operator: ABD

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	20.13
75	30.00 - 60.00% of mass 95	55.80
96	5.00 - 9.00% of mass 95	6.84
173	Less than 2.00% of mass 174	0.32 (0.30)
174	50.00 - 120.00% of mass 95	107.33
175	5.00 - 9.00% of mass 174	9.08 (8.46)
176	95.00 - 101.00% of mass 174	104.24 (97.13)
177	5.00 - 9.00% of mass 176	7.89 (7.57)

166670

Data File: /var/chem/msv3.i/2060721p.s.b/u7866.d

Date : 21-JUL-2006 11:33

Client ID: V3BFB01 Instrument: msv3.i

Sample Info: 1000xV3BFB01

Operator: ABD

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

Data File: u7866.d
Spectrum: Avg. Scans 1230-1232 (7.57), Background Scan 1220
Location of Maximum: 174.00
Number of points: 83

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	737	64.00	192	94.00	9485	144.00	103
37.00	4772	65.00	193	95.00	75528	145.00	232
38.00	4217	67.00	192	96.00	5166	146.00	103
39.00	1072	68.00	8978	97.00	189	148.00	285
41.00	387	69.00	9329	104.00	316	150.00	101
43.00	103	70.00	620	105.00	175	155.00	224
45.00	972	72.00	661	106.00	465	157.00	159
47.00	508	73.00	4527	110.00	126	172.00	650
48.00	903	74.00	16480	115.00	163	173.00	242
49.00	3088	75.00	42144	117.00	543	174.00	81064
50.00	15205	76.00	3687	118.00	659	175.00	6858
51.00	5277	77.00	272	119.00	622	176.00	78736
52.00	109	79.00	3745	125.00	111	177.00	5958
55.00	212	80.00	1129	128.00	554	178.00	171
56.00	1735	81.00	3951	129.00	117	193.00	110
57.00	2700	82.00	864	130.00	172	207.00	341
58.00	317	87.00	2698	131.00	120	250.00	107
60.00	753	88.00	2234	135.00	139	281.00	103
61.00	3960	91.00	642	141.00	1100	282.00	127
62.00	3539	92.00	2956	142.00	127	283.00	232
63.00	3522	93.00	5017	143.00	946		

166671

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7867.d
Lab Smp Id: 1209 Client Smp ID: V3STD0.20
Inj Date : 21-JUL-2006 12:10
Operator : ABD Inst ID: msv3.i
Smp Info : 1209*V3STD0.20*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 12:10 Cal File: u7867.d
Als bottle: 1 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M	138 Total-1-3 Dichloropropene	100				3336	0.40000	0.203	0
	1 Dichlorodifluoromethane	85	1.338	1.333	(0.151)	4728	0.20000	0.213	1621
	2 Chloromethane ++	50	1.487	1.476	(0.352)	3105	0.20000	0.278	2434(H)
	7 Trichlorofluoromethane	101	2.053	2.031	(0.486)	6876	0.20000	0.245	4030
	10 1,1,2Trichlotrifluoroethane	101	2.385	2.380	(0.564)	3683	0.20000	0.240	7659
	11 1,1-Dichloroethene +	96	2.396	2.386	(0.567)	4521	0.20000	0.405	7395
	12 Acetone	43	2.425	2.426	(0.574)	20936	0.20000	6.00	
	21 MTBE	73	2.871	2.866	(0.679)	6100	0.20000	0.239	7619
	24 Hexane	57	3.037	3.032	(0.719)	12174	0.20000	0.920	7386
	26 1,1-Dichloroethane ++	63	3.140	3.129	(0.743)	5220	0.20000	0.288	4621
	34 cis-1,2-Dichloroethene	61	3.494	3.490	(0.827)	4820	0.20000	0.249	(M)
M	30 Total 1,2-Dichloroethene	61				4820	0.40000	0.249	0
	38 Chloroform +	83	3.683	3.684	(0.871)	6407	0.20000	0.243	5814
$	39 Dibromofluoromethane	111	3.786	3.787	(0.896)	5341	0.20000	0.338	5166
	40 1,1,1-Trichloroethane	97	3.820	3.821	(0.904)	5937	0.20000	0.261	7342
	42 Cyclohexane	56	3.872	3.867	(0.916)	3972	0.20000	0.240	5880

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	44 Carbon Tetrachloride	117	3.923	3.930	(0.928)	5778	0.20000	0.242	8738
$	45 1,2-Dichloroethane-d4	67	4.009	4.010	(0.949)	3282	0.20000	0.349	4523
	46 1,2-Dichloroethane	62	4.055	4.062	(0.959)	7994	0.20000	0.347	8478
	47 Benzene	78	4.061	4.062	(0.961)	12060	0.20000	0.288	8445
*	48 FLUOROBENZENE	96	4.226	4.227	(1.000)	2097532	50.0000		9206
	49 Trichloroethene	130	4.472	4.473	(1.058)	4596	0.20000	0.303	8063
	51 Methyl Cyclohexane	83	4.615	4.611	(1.092)	4035	0.20000	0.226	8818
	52 1,2-Dichloropropane +	63	4.226	4.616	(1.000)	101333	0.20000	9.70	4367
	56 Bromodichloromethane	83	4.793	4.794	(1.134)	4910	0.20000	0.231	7146
$	61 Toluene-d8	98	5.296	5.297	(1.253)	13260	0.20000	0.298	7291
	62 Toluene +	91	5.347	5.348	(1.265)	18894	0.20000	0.369	8017
	63 trans-1,3-Dichloropropene	75	5.479	5.486	(1.296)	3336	0.20000	0.192	
	65 1,1,2-Trichloroethane	97	5.622	5.629	(0.871)	3379	0.20000	0.307	7196
	66 1,3-Dichloropropane	76	5.765	5.766	(0.893)	3727	0.20000	0.215	7181
	69 Dibromochloromethane	129	5.959	5.960	(0.923)	4178	0.20000	0.226	7419
	70 1,2-Dibromoethane(EDB)	107	6.079	6.069	(0.942)	3038	0.20000	0.228	4792
*	71 CHLOROBENZENE-d5	82	6.457	6.457	(1.000)	1023080	50.0000		9501
	72 Chlorobenzene ++	112	6.480	6.487	(1.004)	10220	0.20000	0.284	3765
	73 1,1,1,2-Tetrachloroethane	133	6.543	6.544	(1.013)	3707	0.20000	0.241	7376
	74 Ethylbenzene +	106	6.566	6.567	(1.017)	6684	0.20000	0.357	
	75 p,m-Xylene	106	6.669	6.670	(1.033)	21420	0.40000	1.00	
	76 o-Xylene	106	7.046	7.053	(1.091)	9305	0.20000	0.455	
	77 Styrene	104	7.057	7.064	(1.093)	9144	0.20000	0.253	8715
	80 Isopropylbenzene	105	7.406	7.413	(1.147)	13988	0.20000	0.259	8468
$	82 Bromofluorobenzene	174	7.584	7.585	(1.174)	10422	0.20000	0.499	7929
	83 1,1,2,2-Tetrachloroethane++	83	7.698	7.705	(0.867)	3172	0.20000	0.227	6433
	86 Bromobenzene	77	7.755	7.756	(0.873)	7280	0.20000	0.255	7933
	85 1,2,3-Trichloropropane	75	7.761	7.768	(0.874)	4143	0.20000	0.234	8136
	87 n-Propylbenzene	91	7.841	7.848	(0.883)	18027	0.20000	0.267	
M	78 TOTAL XYLENE	106				30725	0.20000	1.46	0
	88 2-Chlorotoluene	91	7.944	7.956	(0.894)	10766	0.20000	0.241	
	89 1,3,5-Trimethylbenzene	105	8.024	8.036	(0.903)	14595	0.20000	0.263	8365
	90 4-Chlorotoluene	91	8.070	8.071	(0.909)	12055	0.20000	0.221	(M)
	91 tert-butylbenzene	91	8.396	8.408	(0.945)	10484	0.20000	0.260	8220
	93 1,2,4-Trimethylbenzene	105	8.470	8.465	(0.954)	30903	0.20000	0.551	
	94 sec-Butylbenzene	105	8.665	8.671	(0.976)	13556	0.20000	0.210	
	96 1,3-Dichlorobenzene	146	8.819	8.814	(0.993)	10197	0.20000	0.287	
	95 p-Isopropyltoluene	119	8.825	8.837	(0.994)	14075	0.20000	0.243	7987
*	97 1,4-DICHLOROBENZENE-D4	152	8.882	8.888	(1.000)	1150622	50.0000		9587
	98 1,4-Dichlorobenzene	146	8.911	8.917	(1.003)	12635	0.20000	0.336	
	99 n-Butylbenzene	91	9.339	9.340	(1.052)	11531	0.20000	0.225	7736
	100 1,2-Dichlorobenzene	146	9.368	9.375	(1.055)	10260	0.20000	0.286	
	101 1,2-Dibromo-3-Chloropropane	157	10.363	10.370	(1.167)	185	0.20000	1.24	0(M)
	103 1,2,4-Trichlorobenzene	180	11.524	11.525	(1.297)	7047	0.20000	0.274	
	104 Hexachlorobutadiene	225	11.770	11.777	(1.325)	6091	0.20000	0.293	8946
	105 Naphthalene	128	11.873	11.874	(1.337)	13389	0.20000	0.278	7489
	106 1,2,3-Trichlorobenzene	180	12.228	12.223	(1.377)	6297	0.20000	0.252	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000214

Data File: /var/chem/msv3.i/2060721p.s.b/u7867.d

Page 1

Date : 21-JUL-2006 12:10

Client ID: W3STD0.20

Instrument: msv3.i

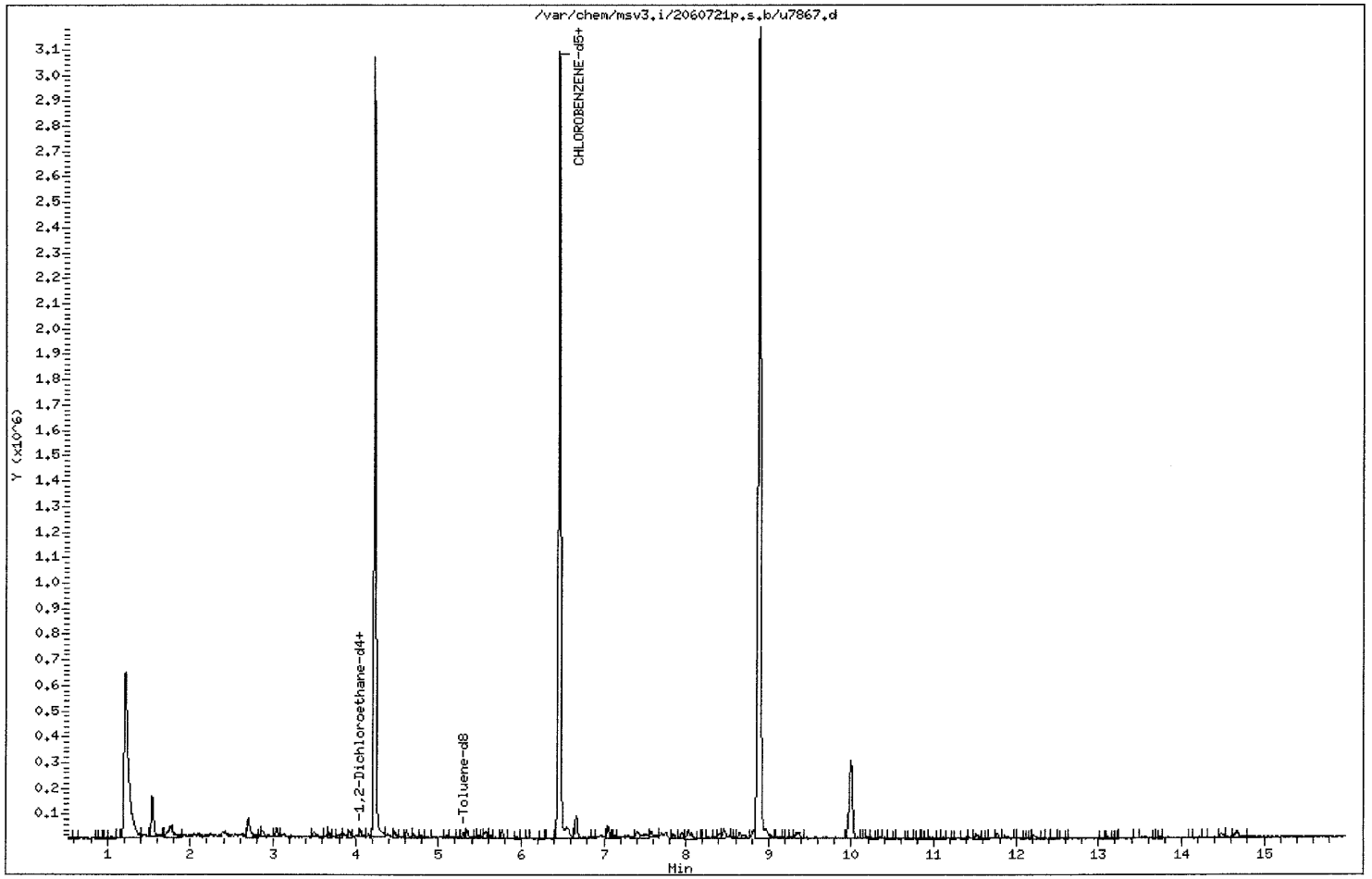
Sample Info: 1209*W3STD0.20*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

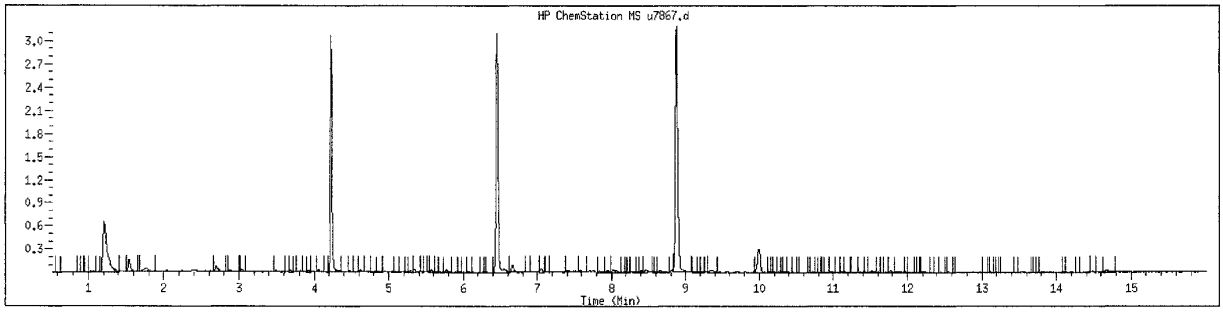


166675

Data file : /var/chem/msv3.i/2060721p.s.b/u7867.d Page: 1
Report Date: 07/21/2006 19:29

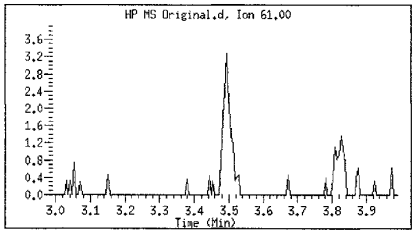
MANUAL INTEGRATION GRAPHIC REPORT

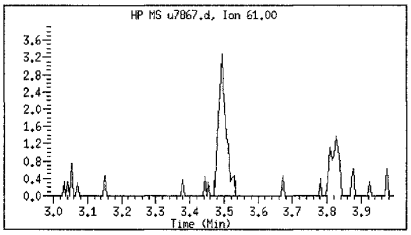
Lab ID : 1209 SampleType : CALIB_10
Injection Date: 21-JUL-2006 12:10 Instrument : msv3.i
Operator : ABD
Sample Info : 1209*V3STD0.20*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



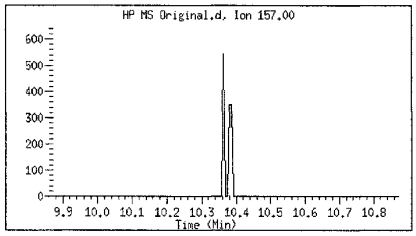
Original Final

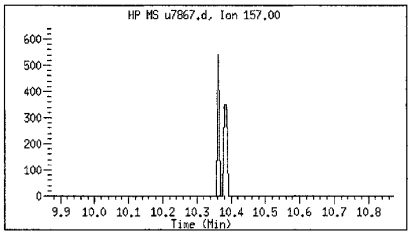
34 cis-1,2-Dichloroethene CAS#: 156-59-2





101 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8



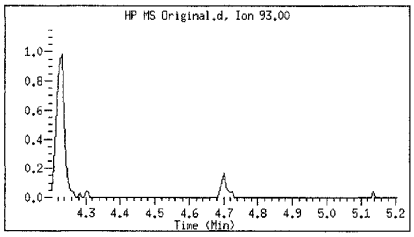


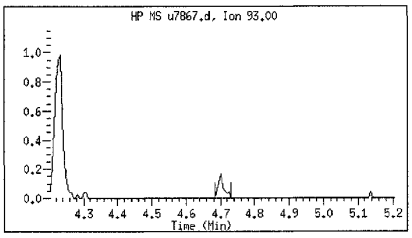
000215

166676

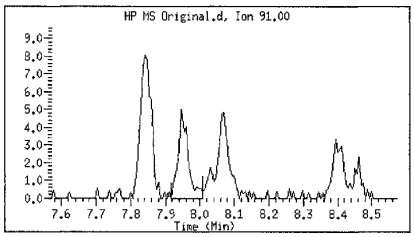
Original Final

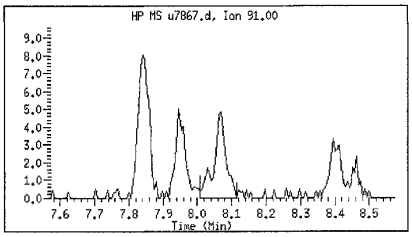
55 Dibromomethane CAS#: 74-95-3





90 4-Chlorotoluene CAS#: 106-43-4





GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7868.d
Lab Smp Id: 1207 Client Smp ID: V3STD0.40
Inj Date : 21-JUL-2006 12:36
Operator : ABD Inst ID: msv3.i
Smp Info : 1207*V3STD0.40*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 12:36 Cal File: u7868.d
Als bottle: 2 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				12026	0.80000	0.700	0
1 Dichlorodifluoromethane	85	1.338	1.333	(0.151)	8506	0.40000	0.368	2448
2 Chloromethane ++	50	1.481	1.476	(0.350)	6636	0.40000	0.568	3520
3 Vinyl Chloride +	62	1.561	1.556	(0.369)	5410	0.40000	0.465	2648
7 Trichlorofluoromethane	101	2.053	2.031	(0.486)	9916	0.40000	0.337	4853
10 1,1,2Trichlotrifluoroethane	101	2.390	2.380	(0.566)	5415	0.40000	0.338	8136
11 1,1-Dichloroethene +	96	2.390	2.386	(0.566)	4951	0.40000	0.424	7987
12 Acetone	43	2.430	2.426	(0.575)	12020	0.40000	3.30	
13 Methyl Iodide	142	2.493	2.494	(0.590)	9505	0.40000	0.377	4950
14 Carbon Disulfide	76	2.550	2.540	(0.603)	15608	0.40000	0.421	5570
17 Methyl Acetate	43	2.625	2.626	(0.621)	5472	0.40000	0.880	3202
22 trans-1,2-Dichloroethene	61	2.871	2.866	(0.679)	7251	0.40000	0.455	
21 MTBE	73	2.882	2.866	(0.682)	11072	0.40000	0.416	7906
24 Hexane	57	3.042	3.032	(0.720)	12741	0.40000	0.921	7565
26 1,1-Dichloroethane ++	63	3.134	3.129	(0.742)	8160	0.40000	0.431	5033
34 cis-1,2-Dichloroethene	61	3.500	3.490	(0.828)	9109	0.40000	0.451	

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	35	2,2-Dichloropropane	77	3.500	3.495	(0.828)	6739	0.40000	0.400	7651
M	30	Total 1,2-Dichloroethene	61				16360	0.80000	0.906	0
	37	Bromochloromethane	128	3.643	3.644	(0.862)	3523	0.40000	0.434	6151
	38	Chloroform +	83	3.689	3.684	(0.873)	10975	0.40000	0.399	6071
$	39	Dibromofluoromethane	111	3.786	3.787	(0.896)	7281	0.40000	0.441	6109
	40	1,1,1-Trichloroethane	97	3.814	3.821	(0.903)	8279	0.40000	0.348	7664
	42	Cyclohexane	56	3.866	3.867	(0.915)	6448	0.40000	0.372	6936
	43	1,1-Dichloropropene	75	3.923	3.919	(0.928)	6745	0.40000	0.390	0(M)
	44	Carbon Tetrachloride	117	3.935	3.930	(0.931)	9329	0.40000	0.374	8040
$	45	1,2-Dichloroethane-d4	67	4.015	4.010	(0.950)	3434	0.40000	0.349	6235
	47	Benzene	78	4.060	4.062	(0.961)	18529	0.40000	0.423	8910
*	48	FLUOROBENZENE	96	4.226	4.227	(1.000)	2192474	50.0000		9202
	49	Trichloroethene	130	4.478	4.473	(1.060)	6726	0.40000	0.424	8510
	51	Methyl Cyclohexane	83	4.609	4.611	(1.091)	7232	0.40000	0.387	8742
	55	Dibromomethane	93	4.701	4.702	(1.112)	4759	0.40000	0.451	7862
	56	Bromodichloromethane	83	4.792	4.794	(1.134)	9044	0.40000	0.408	8508
	58	1-Bromo-2-chloroethane	63	5.027	5.022	(1.189)	6430	0.40000	0.372	7035
	59	cis-1,3-Dichloropropene	75	5.096	5.097	(1.206)	6293	0.40000	0.343	
	60	4-methyl-2-pentanone	43	5.187	5.188	(1.227)	5998	0.40000	0.474	
$	61	Toluene-d8	98	5.301	5.297	(1.254)	18377	0.40000	0.395	7528
	62	Toluene +	91	5.347	5.348	(1.265)	21076	0.40000	0.393	8145
	63	trans-1,3-Dichloropropene	75	5.484	5.486	(1.298)	5733	0.40000	0.316	
	65	1,1,2-Trichloroethane	97	5.627	5.629	(0.872)	4391	0.40000	0.374	8377
	66	1,3-Dichloropropane	76	5.765	5.766	(0.893)	8416	0.40000	0.456	7633
	68	2-Hexanone	43	5.805	5.806	(0.899)	3245	0.40000	0.379	(M)
	69	Dibromochloromethane	129	5.948	5.960	(0.921)	7651	0.40000	0.388	7524
	70	1,2-Dibromoethane(EDB)	107	6.068	6.069	(0.940)	5572	0.40000	0.392	6377
	151	1-chlorohexane	91	6.434	6.429	(0.996)	10542	0.40000	0.613	1851
*	71	CHLOROBENZENE-d5	82	6.457	6.457	(1.000)	1089910	50.0000		9323
	72	Chlorobenzene ++	112	6.485	6.487	(1.004)	19073	0.40000	0.498	4583
	73	1,1,1,2-Tetrachloroethane	133	6.543	6.544	(1.013)	7031	0.40000	0.429	7546
	74	Ethylbenzene +	106	6.560	6.567	(1.016)	10001	0.40000	0.502	
	75	p,m-Xylene	106	6.668	6.670	(1.033)	18107	0.80000	0.796	
	76	o-Xylene	106	7.046	7.053	(1.091)	7468	0.40000	0.343	
	77	Styrene	104	7.063	7.064	(1.094)	14301	0.40000	0.371	8551
	79	Bromoform ++	173	7.257	7.259	(1.124)	6188	0.40000	0.407	5787
	80	Isopropylbenzene	105	7.406	7.413	(1.147)	20934	0.40000	0.363	8389
$	82	Bromofluorobenzene	174	7.583	7.585	(1.175)	9669	0.40000	0.435	8975
	83	1,1,2,2-Tetrachloroethane++	83	7.692	7.705	(0.866)	5952	0.40000	0.410	7667
	86	Bromobenzene	77	7.749	7.756	(0.872)	12473	0.40000	0.422	7858
	85	1,2,3-Trichloropropane	75	7.761	7.768	(0.874)	6835	0.40000	0.372	8424
	87	n-Propylbenzene	91	7.847	7.848	(0.883)	24349	0.40000	0.348	
M	78	TOTAL XYLENE	106				25575	1.20000	1.14	0
	88	2-Chlorotoluene	91	7.955	7.956	(0.896)	19344	0.40000	0.417	
	89	1,3,5-Trimethylbenzene	105	8.030	8.036	(0.904)	21568	0.40000	0.374	8555
	90	4-Chlorotoluene	91	8.070	8.071	(0.909)	24356	0.40000	0.431	(H)
	91	tert-butylbenzene	91	8.407	8.408	(0.947)	14946	0.40000	0.357	8145

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
93	1,2,4-Trimethylbenzene	105	8.453	8.465	(0.952)	21085	0.40000	0.362	
94	sec-Butylbenzene	105	8.670	8.671	(0.976)	23129	0.40000	0.345	
96	1,3-Dichlorobenzene	146	8.813	8.814	(0.992)	17222	0.40000	0.467	
95	p-Isopropyltoluene	119	8.825	8.837	(0.994)	22784	0.40000	0.378	8400
* 97	1,4-DICHLOROBENZENE-D4	152	8.882	8.888	(1.000)	1194382	50.0000		9612
98	1,4-Dichlorobenzene	146	8.916	8.917	(1.004)	19074	0.40000	0.489	
99	n-Butylbenzene	91	9.334	9.340	(1.051)	19676	0.40000	0.370	8730
100	1,2-Dichlorobenzene	146	9.379	9.375	(1.056)	19359	0.40000	0.521	
101	1,2-Dibromo-3-Chloropropane	157	10.380	10.370	(1.169)	1374	0.40000	1.50	3668
103	1,2,4-Trichlorobenzene	180	11.524	11.525	(1.297)	12581	0.40000	0.472	
104	Hexachlorobutadiene	225	11.764	11.777	(1.325)	11009	0.40000	0.510	8284
105	Naphthalene	128	11.867	11.874	(1.336)	19414	0.40000	0.389	7675
106	1,2,3-Trichlorobenzene	180	12.216	12.223	(1.375)	11695	0.40000	0.451	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000220

Data File: /var/chem/msv3.i/2060721p.s.b/u7868.d

Page 1

Date : 21-JUL-2006 12:36

Client ID: W3STD0.40

Instrument: msv3.i

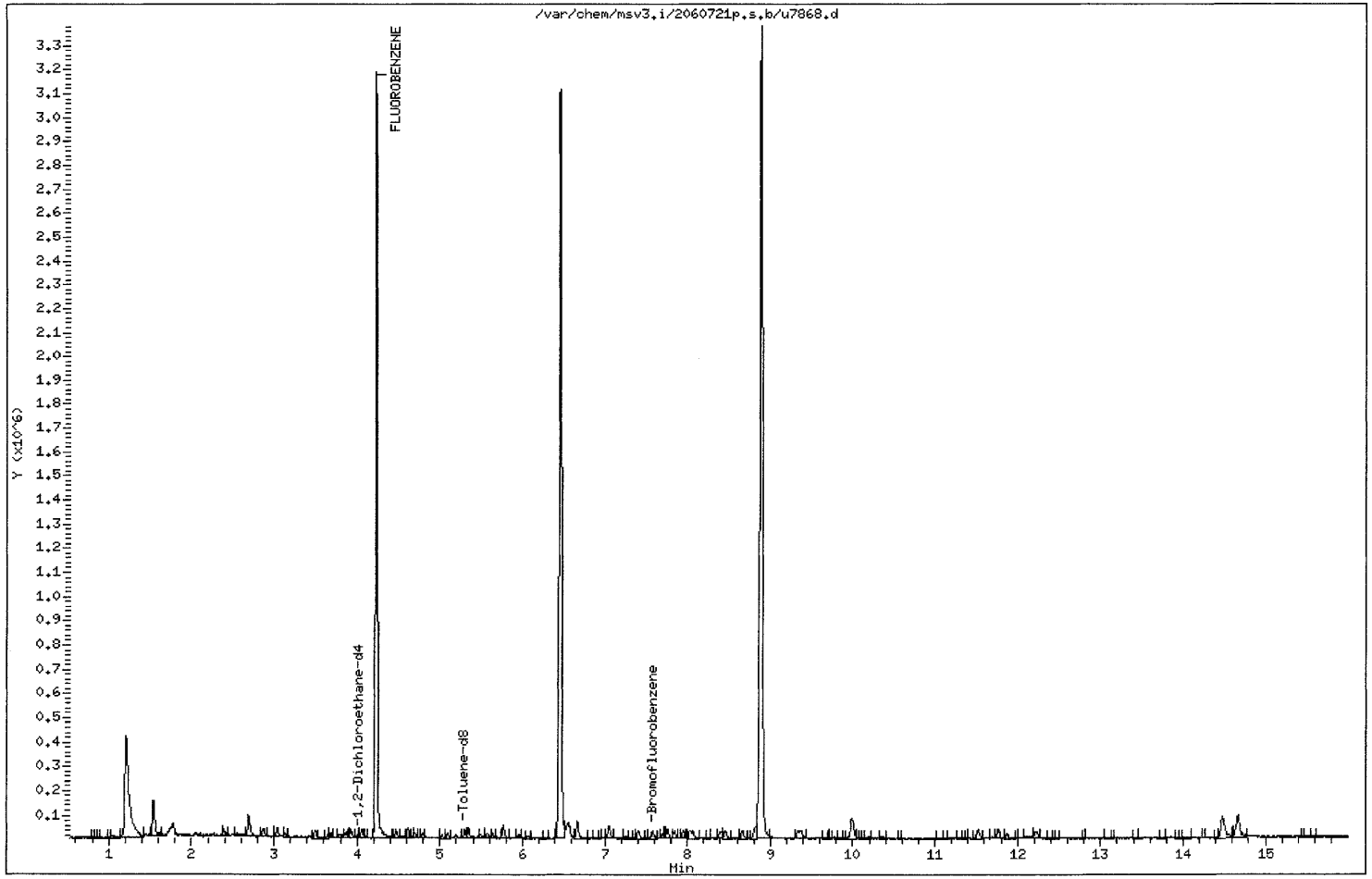
Sample Info: 1207*W3STD0.40*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

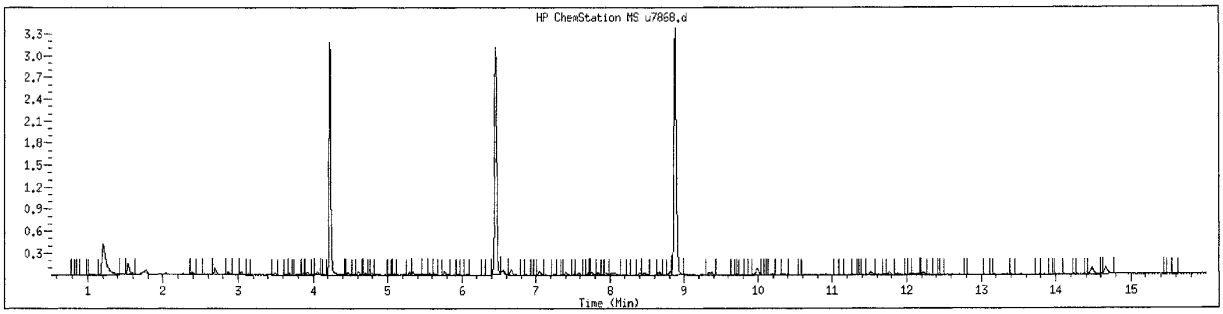


166681

Data file : /var/chem/msv3.i/2060721p.s.b/u7868.d Page: 1
Report Date: 07/21/2006 19:29

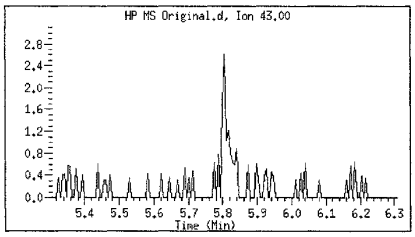
MANUAL INTEGRATION GRAPHIC REPORT

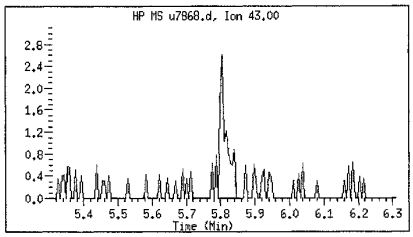
Lab ID : 1207 SampleType : CALIB_7
Injection Date: 21-JUL-2006 12:36 Instrument : msv3.i
Operator : ABD
Sample Info : 1207*V3STD0.40*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



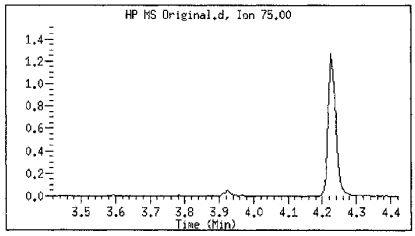
Original Final

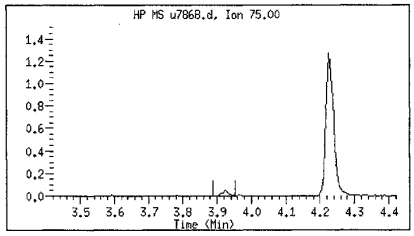
68 2-Hexanone CAS#: 591-78-6





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





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166682

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7869.d
Lab Smp Id: 1208 Client Smp ID: V3STD001
Inj Date : 21-JUL-2006 13:03
Operator : ABD Inst ID: msv3.i
Smp Info : 1208*V3STD001*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 13:03 Cal File: u7869.d
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				32545	2.00000	2.11	0
1 Dichlorodifluoromethane	85	1.339	1.333	(0.151)	26391	1.00000	1.25	5287
2 Chloromethane ++	50	1.493	1.476	(0.353)	10010	1.00000	0.955	5330
3 Vinyl Chloride +	62	1.556	1.556	(0.368)	12765	1.00000	1.22	3107
6 Chloroethane	64	1.853	1.837	(0.438)	6896	1.00000	1.14	4595
7 Trichlorofluoromethane	101	2.048	2.031	(0.484)	28608	1.00000	1.09	7538
9 Acrolein	56	2.334	2.317	(0.380)	4203	5.00000	41.6	2109(MH)
10 1,1,2Trichlotrifluoroethane	101	2.391	2.380	(0.566)	17760	1.00000	1.24	8130
11 1,1-Dichloroethene +	96	2.402	2.386	(0.568)	12117	1.00000	1.16	8184
12 Acetone	43	2.437	2.426	(0.576)	9887	1.00000	3.02	
13 Methyl Iodide	142	2.500	2.494	(0.591)	23320	1.00000	1.03	6955
14 Carbon Disulfide	76	2.551	2.540	(0.604)	36010	1.00000	1.08	7121
17 Methyl Acetate	43	2.631	2.626	(0.622)	8037	1.00000	1.44	5058
18 Methylene Chloride	49	2.694	2.689	(0.637)	48487	1.00000	0.213	8063
20 Acrylonitrile	53	2.849	2.843	(0.674)	16787	5.00000	5.77	6809
22 trans-1,2-Dichloroethene	61	2.866	2.866	(0.678)	17701	1.00000	1.24	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 MTBE	73	2.871	2.866	(0.679)	23718	1.00000	0.993	8567
	24 Hexane	57	3.037	3.032	(0.719)	20376	1.00000	1.64	8549
	26 1,1-Dichloroethane ++	63	3.129	3.129	(0.740)	18763	1.00000	1.11	6205
	25 Vinyl Acetate	43	3.146	3.146	(0.744)	15613	1.00000	1.21	
	34 cis-1,2-Dichloroethene	61	3.495	3.490	(0.827)	18896	1.00000	1.04	
	35 2,2-Dichloropropane	77	3.506	3.495	(0.830)	15288	1.00000	1.01	8291
M	30 Total 1,2-Dichloroethene	61				36597	2.00000	2.28	0
	37 Bromochloromethane	128	3.644	3.644	(0.862)	8276	1.00000	1.14	7509
	38 Chloroform +	83	3.684	3.684	(0.871)	28863	1.00000	1.17	8055
$	39 Dibromofluoromethane	111	3.787	3.787	(0.896)	16667	1.00000	1.13	7456
	40 1,1,1-Trichloroethane	97	3.821	3.821	(0.904)	23461	1.00000	1.10	9007
	42 Cyclohexane	56	3.867	3.867	(0.915)	16047	1.00000	1.03	8176
	43 1,1-Dichloropropene	75	3.924	3.919	(0.928)	18347	1.00000	1.18	8433
	44 Carbon Tetrachloride	117	3.935	3.930	(0.931)	24206	1.00000	1.08	8455
$	45 1,2-Dichloroethane-d4	67	4.015	4.010	(0.950)	10637	1.00000	1.21	7572
	46 1,2-Dichloroethane	62	4.061	4.062	(0.961)	24303	1.00000	1.13	8285
	47 Benzene	78	4.061	4.062	(0.961)	43980	1.00000	1.12	8803
*	48 FLUOROBENZENE	96	4.227	4.227	(1.000)	1966108	50.0000		9194
	49 Trichloroethene	130	4.473	4.473	(1.058)	16544	1.00000	1.16	9054
	51 Methyl Cyclohexane	83	4.610	4.611	(1.091)	16465	1.00000	0.983	9410
	52 1,2-Dichloropropane +	63	4.616	4.616	(1.092)	10572	1.00000	1.08	3211(M)
	55 Dibromomethane	93	4.702	4.702	(1.112)	9870	1.00000	1.04	8290
	56 Bromodichloromethane	83	4.787	4.794	(1.133)	21794	1.00000	1.10	9256
	57 2-Chloroethyl vinyl ether	63	4.970	4.971	(1.176)	6708	1.00000	1.01	5631(M)
	58 1-Bromo-2-chloroethane	63	5.016	5.022	(1.187)	18247	1.00000	1.18	8744(M)
	59 cis-1,3-Dichloropropene	75	5.102	5.097	(1.207)	16043	1.00000	0.976	
	60 4-methyl-2-pentanone	43	5.182	5.188	(1.226)	11324	1.00000	0.999	
$	61 Toluene-d8	98	5.296	5.297	(1.253)	45044	1.00000	1.08	8676
	62 Toluene +	91	5.342	5.348	(1.264)	51722	1.00000	1.08	8510
	63 trans-1,3-Dichloropropene	75	5.485	5.486	(1.298)	16502	1.00000	1.01	
	65 1,1,2-Trichloroethane	97	5.634	5.629	(0.872)	11498	1.00000	1.09	9299
	66 1,3-Dichloropropane	76	5.771	5.766	(0.894)	18345	1.00000	1.11	7778
	68 2-Hexanone	43	5.806	5.806	(0.899)	7030	1.00000	0.918	
	69 Dibromochloromethane	129	5.954	5.960	(0.922)	17068	1.00000	0.966	8784
	70 1,2-Dibromoethane(EDB)	107	6.069	6.069	(0.940)	13011	1.00000	1.02	7794
	151 1-chlorohexane	91	6.423	6.429	(0.995)	18227	1.00000	1.18	3227
*	71 CHLOROBENZENE-d5	82	6.457	6.457	(1.000)	975949	50.0000		9514
	72 Chlorobenzene ++	112	6.480	6.487	(1.004)	38966	1.00000	1.14	4773
	73 1,1,1,2-Tetrachloroethane	133	6.543	6.544	(1.013)	15394	1.00000	1.05	8835
	74 Ethylbenzene +	106	6.560	6.567	(1.016)	18293	1.00000	1.02	
	75 p,m-Xylene	106	6.663	6.670	(1.032)	43715	2.00000	2.14	
	76 o-Xylene	106	7.052	7.053	(1.092)	17999	1.00000	0.924	
	77 Styrene	104	7.058	7.064	(1.093)	34234	1.00000	0.991	9402
	79 Bromoform ++	173	7.253	7.259	(1.123)	13396	1.00000	0.983	7658
	80 Isopropylbenzene	105	7.407	7.413	(1.147)	46937	1.00000	0.910	9271
$	82 Bromofluorobenzene	174	7.584	7.585	(1.174)	21608	1.00000	1.08	8448
	83 1,1,2,2-Tetrachloroethane++	83	7.699	7.705	(0.867)	13996	1.00000	1.06	8665

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	84 trans-1,4-Dichloro-2-Butene	53	7.767	7.762	(0.874)	4210	1.00000	1.18	9004
	86 Bromobenzene	77	7.750	7.756	(0.873)	27467	1.00000	1.02	8624
	85 1,2,3-Trichloropropane	75	7.762	7.768	(0.874)	20209	1.00000	1.20	8768
	87 n-Propylbenzene	91	7.842	7.848	(0.883)	59257	1.00000	0.926	
M	78 TOTAL XYLENE	106				61714	3.00000	3.07	0
	88 2-Chlorotoluene	91	7.956	7.956	(0.896)	42597	1.00000	1.01	
	89 1,3,5-Trimethylbenzene	105	8.030	8.036	(0.904)	48629	1.00000	0.923	9383
	90 4-Chlorotoluene	91	8.070	8.071	(0.909)	51479	1.00000	0.997	(H)
	91 tert-butylbenzene	91	8.408	8.408	(0.947)	30269	1.00000	0.792	9361
	93 1,2,4-Trimethylbenzene	105	8.459	8.465	(0.952)	49542	1.00000	0.931	
	94 sec-Butylbenzene	105	8.659	8.671	(0.975)	53953	1.00000	0.882	
	96 1,3-Dichlorobenzene	146	8.808	8.814	(0.992)	34306	1.00000	1.02	
	95 p-Isopropyltoluene	119	8.831	8.837	(0.994)	47695	1.00000	0.867	7869
*	97 1,4-DICHLOROBENZENE-D4	152	8.883	8.888	(1.000)	1091344	50.0000		9596
	98 1,4-Dichlorobenzene	146	8.905	8.917	(1.003)	39655	1.00000	1.11	
	99 n-Butylbenzene	91	9.334	9.340	(1.051)	38889	1.00000	0.800	8759
	100 1,2-Dichlorobenzene	146	9.369	9.375	(1.055)	37294	1.00000	1.10	
	101 1,2-Dibromo-3-Chloropropane	157	10.370	10.370	(1.167)	3954	1.00000	2.14	6272
	103 1,2,4-Trichlorobenzene	180	11.531	11.525	(1.298)	22042	1.00000	0.905	
	104 Hexachlorobutadiene	225	11.765	11.777	(1.325)	19855	1.00000	1.01	9131
	105 Naphthalene	128	11.868	11.874	(1.336)	37988	1.00000	0.832	8921
	106 1,2,3-Trichlorobenzene	180	12.217	12.223	(1.375)	22494	1.00000	0.949	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000225

Data File: /var/chem/msv3.i/2060721p.s.b/u7869.d

Page 1

Date : 21-JUL-2006 13:03

Client ID: V3STD001

Instrument: msv3.i

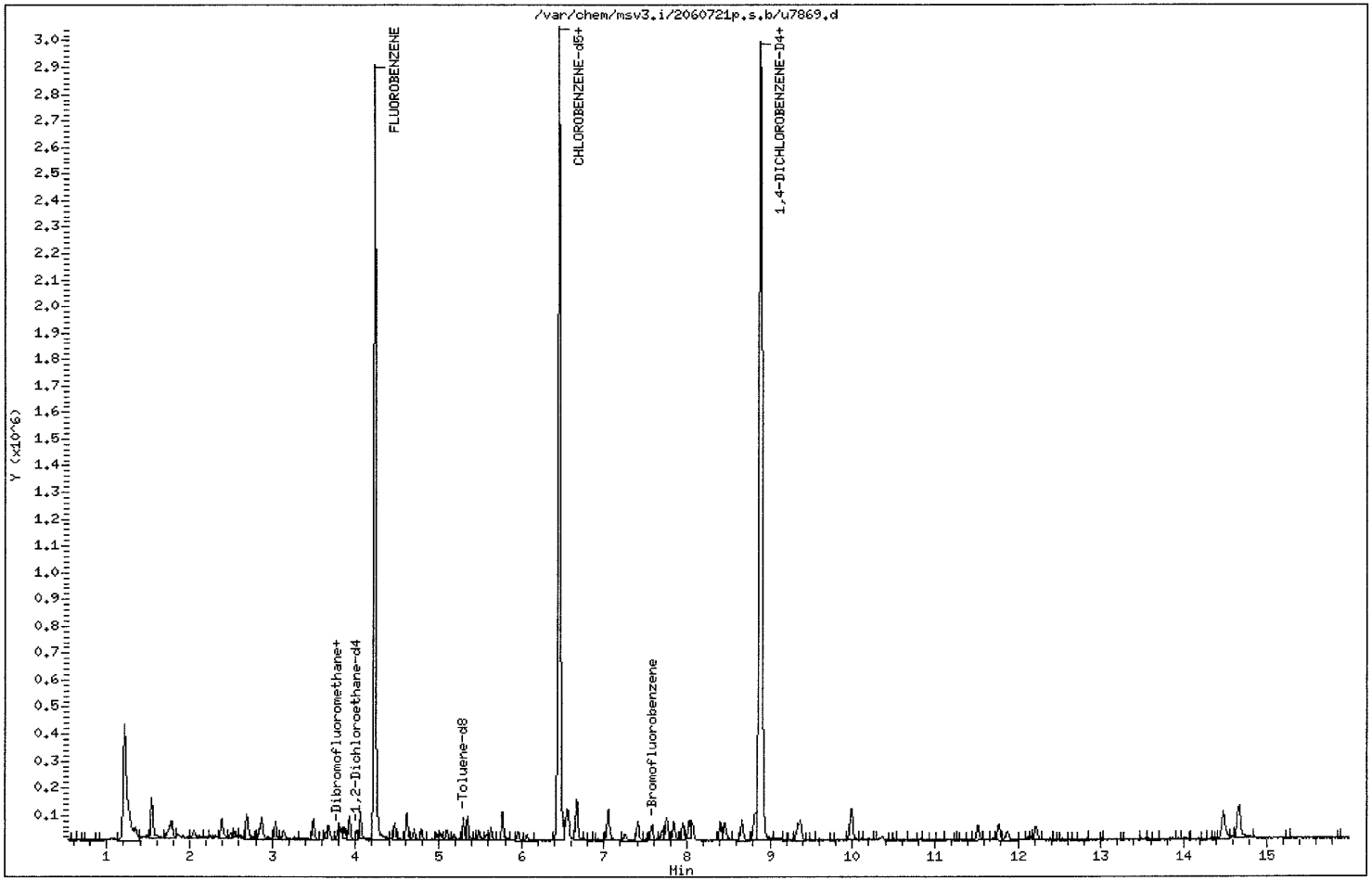
Sample Info: 1208*V3STD001*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

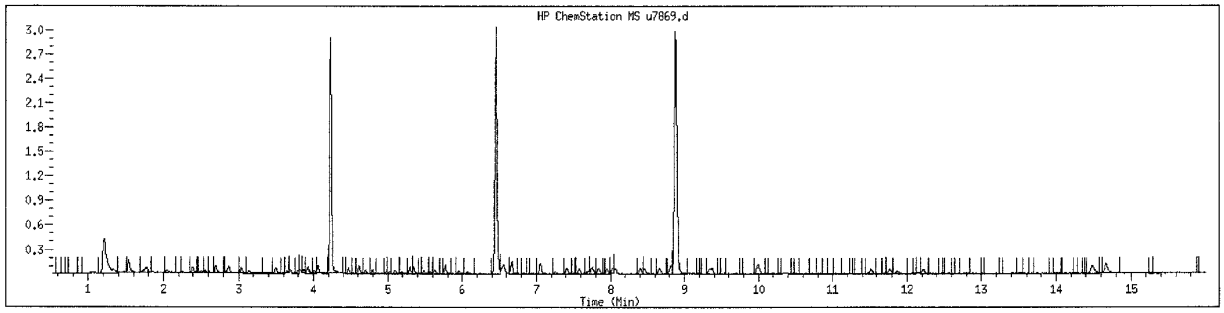


166686

Data file : /var/chem/msv3.i/2060721p.s.b/u7869.d Page: 1
Report Date: 07/21/2006 19:29

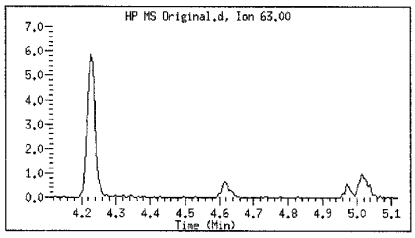
MANUAL INTEGRATION GRAPHIC REPORT

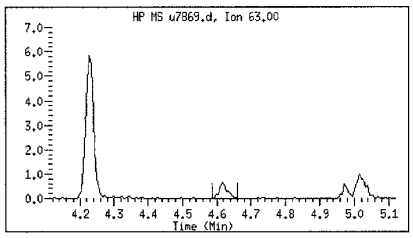
Lab ID : 1208 SampleType : CALIB_8
Injection Date: 21-JUL-2006 13:03 Instrument : msv3.i
Operator : ABD
Sample Info : 1208*V3STD001*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



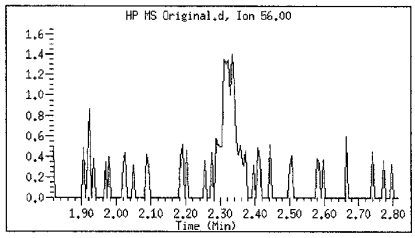
Original Final

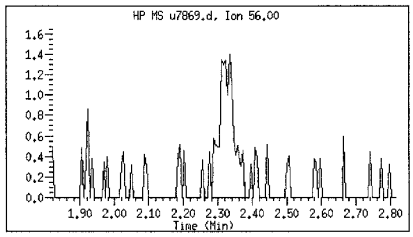
52 1,2-Dichloropropane + CAS#: 78-87-5





9 Acrolein CAS#: 107-02-8



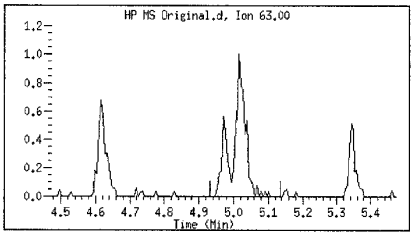


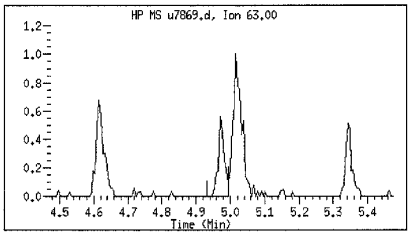
000226

166687

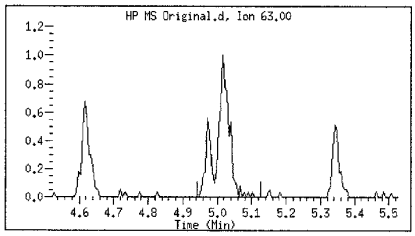
Original Final

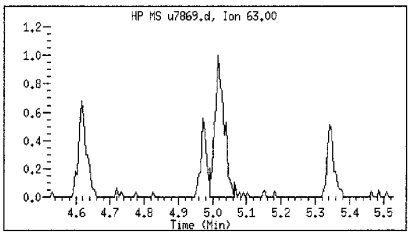
57 2-Chloroethyl vinyl ether CAS#: 110-75-8





58 1-Bromo-2-chloroethane CAS#: 107-04-0





GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7870.d
Lab Smp Id: 1201 Client Smp ID: V3STD005
Inj Date : 21-JUL-2006 13:29
Operator : ABD Inst ID: msv3.i
Smp Info : 1201*V3STD005*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 13:29 Cal File: u7870.d
Als bottle: 6 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				161670	10.0000	9.39	0
1 Dichlorodifluoromethane	85	1.338	1.333	(0.151)	115691	5.00000	4.84	8299
2 Chloromethane ++	50	1.481	1.476	(0.350)	66488	5.00000	5.68	8282
3 Vinyl Chloride +	62	1.561	1.556	(0.369)	57794	5.00000	4.96	7162
5 Bromomethane	94	1.778	1.774	(0.421)	24874	5.00000	2.77	6662
6 Chloroethane	64	1.853	1.837	(0.438)	34728	5.00000	5.16	8408
7 Trichlorofluoromethane	101	2.036	2.031	(0.482)	147166	5.00000	5.00	8896
9 Acrolein	56	2.327	2.317	(0.551)	11613	25.0000	50.9	4490(M)
10 1,1,2Trichlotrifluoroethane	101	2.385	2.380	(0.564)	78741	5.00000	4.91	8148
11 1,1-Dichloroethene +	96	2.396	2.386	(0.567)	57841	5.00000	4.95	8300
12 Acetone	43	2.425	2.426	(0.574)	22933	5.00000	6.28	
13 Methyl Iodide	142	2.493	2.494	(0.590)	120059	5.00000	4.76	9120
14 Carbon Disulfide	76	2.551	2.540	(0.603)	168931	5.00000	4.55	9131
17 Methyl Acetate	43	2.631	2.626	(0.622)	31942	5.00000	5.13	7454
18 Methylene Chloride	49	2.699	2.689	(0.639)	98619	5.00000	3.99	8785
20 Acrylonitrile	53	2.842	2.843	(0.672)	77270	25.0000	23.8	9070

							AMOUNTS		
		QUANT SIG					CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	2.871	2.866	(0.679)	76754	5.00000	4.81	
	21 MTBE	73	2.877	2.866	(0.681)	126529	5.00000	4.74	8763
	24 Hexane	57	3.031	3.032	(0.717)	73956	5.00000	5.34	9233
	26 1,1-Dichloroethane ++	63	3.128	3.129	(0.740)	95796	5.00000	5.05	6148
	25 Vinyl Acetate	43	3.151	3.146	(0.746)	69474	5.00000	4.81	
	34 cis-1,2-Dichloroethene	61	3.494	3.490	(0.827)	91252	5.00000	4.51	
	35 2,2-Dichloropropane	77	3.494	3.495	(0.827)	79271	5.00000	4.70	9101
	32 2-Butanone	43	3.494	3.495	(0.827)	33504	5.00000	2.76	
M	30 Total 1,2-Dichloroethene	61				168006	10.0000	9.32	0
	37 Bromochloromethane	128	3.649	3.644	(0.863)	39888	5.00000	4.91	8079
	38 Chloroform +	83	3.689	3.684	(0.873)	131624	5.00000	4.78	8649
$	39 Dibromofluoromethane	111	3.786	3.787	(0.896)	82012	5.00000	4.96	9042
	40 1,1,1-Trichloroethane	97	3.814	3.821	(0.903)	114054	5.00000	4.78	8979
	42 Cyclohexane	56	3.866	3.867	(0.915)	83692	5.00000	4.83	9148
	43 1,1-Dichloropropene	75	3.923	3.919	(0.928)	83132	5.00000	4.80	8699
	44 Carbon Tetrachloride	117	3.935	3.930	(0.931)	118368	5.00000	4.73	8106
$	45 1,2-Dichloroethane-d4	67	4.009	4.010	(0.949)	51265	5.00000	5.20	9170
	46 1,2-Dichloroethane	62	4.060	4.062	(0.961)	119609	5.00000	4.97	8626
	47 Benzene	78	4.060	4.062	(0.961)	213762	5.00000	4.87	9162
*	48 FLUOROBENZENE	96	4.226	4.227	(1.000)	2195297	50.0000		9115
	49 Trichloroethene	130	4.472	4.473	(1.058)	78655	5.00000	4.95	9152
	51 Methyl Cyclohexane	83	4.609	4.611	(1.091)	89612	5.00000	4.79	9101
	52 1,2-Dichloropropane +	63	4.621	4.616	(1.093)	54457	5.00000	4.98	4391(M)
	55 Dibromomethane	93	4.701	4.702	(1.112)	50435	5.00000	4.78	8771
	56 Bromodichloromethane	83	4.792	4.794	(1.134)	103063	5.00000	4.64	9177
	57 2-Chloroethyl vinyl ether	63	4.976	4.971	(1.177)	33368	5.00000	4.50	8654
	58 1-Bromo-2-chloroethane	63	5.021	5.022	(1.188)	86367	5.00000	4.99	9285
	59 cis-1,3-Dichloropropene	75	5.096	5.097	(1.206)	83078	5.00000	4.53	
	60 4-methyl-2-pentanone	43	5.187	5.188	(1.227)	54893	5.00000	4.34	
$	61 Toluene-d8	98	5.296	5.297	(1.253)	229319	5.00000	4.92	9528
	62 Toluene +	91	5.347	5.348	(1.265)	263464	5.00000	4.91	8972
	63 trans-1,3-Dichloropropene	75	5.485	5.486	(1.298)	78592	5.00000	4.32	
	65 1,1,2-Trichloroethane	97	5.633	5.629	(0.872)	55991	5.00000	4.67	9124
	66 1,3-Dichloropropane	76	5.771	5.766	(0.894)	92029	5.00000	4.88	8145
	67 Tetrachloroethene	164	5.776	5.772	(0.895)	77960	5.00000	4.40	8303
	68 2-Hexanone	43	5.811	5.806	(0.900)	41271	5.00000	4.72	
	69 Dibromochloromethane	129	5.959	5.960	(0.923)	95357	5.00000	4.73	9352
	70 1,2-Dibromoethane(EDB)	107	6.068	6.069	(0.940)	67235	5.00000	4.63	9119
	151 1-chlorohexane	91	6.428	6.429	(0.996)	80991	5.00000	4.61	3681
*	71 CHLOROBENZENE-d5	82	6.457	6.457	(1.000)	1113773	50.0000		9353
	72 Chlorobenzene ++	112	6.480	6.487	(1.004)	190620	5.00000	4.87	6985
	73 1,1,1,2-Tetrachloroethane	133	6.543	6.544	(1.013)	73644	5.00000	4.39	9487
	74 Ethylbenzene +	106	6.571	6.567	(1.018)	96533	5.00000	4.74	
	75 p,m-Xylene	106	6.668	6.670	(1.033)	236087	10.0000	10.2	
	76 o-Xylene	106	7.052	7.053	(1.092)	108802	5.00000	4.89	
	77 Styrene	104	7.057	7.064	(1.093)	190831	5.00000	4.84	9648
	79 Bromoform ++	173	7.258	7.259	(1.124)	69620	5.00000	4.48	9297

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	80	Isopropylbenzene	105	7.412	7.413	(1.148)	278363	5.00000	4.73	9589
$	82	Bromofluorobenzene	174	7.578	7.585	(1.174)	112024	5.00000	4.93	9138
	83	1,1,2,2-Tetrachloroethane++	83	7.698	7.705	(0.867)	67059	5.00000	4.47	9226
	84	trans-1,4-Dichloro-2-Butene	53	7.761	7.762	(0.874)	17064	5.00000	4.23	8819
	86	Bromobenzene	77	7.755	7.756	(0.873)	147092	5.00000	4.80	8838
	85	1,2,3-Trichloropropane	75	7.761	7.768	(0.874)	91751	5.00000	4.83	9077
	87	n-Propylbenzene	91	7.847	7.848	(0.883)	354448	5.00000	4.89	
M	78	TOTAL XYLENE	106				344889	15.0000	15.0	0
	88	2-Chlorotoluene	91	7.955	7.956	(0.896)	228790	5.00000	4.77	
	89	1,3,5-Trimethylbenzene	105	8.030	8.036	(0.904)	291876	5.00000	4.89	9197
	90	4-Chlorotoluene	91	8.070	8.071	(0.909)	285262	5.00000	4.88	(H)
	91	tert-butylbenzene	91	8.407	8.408	(0.947)	174743	5.00000	4.04	9373
	93	1,2,4-Trimethylbenzene	105	8.459	8.465	(0.952)	294697	5.00000	4.89	
	94	sec-Butylbenzene	105	8.664	8.671	(0.976)	334426	5.00000	4.83	
	96	1,3-Dichlorobenzene	146	8.807	8.814	(0.992)	186238	5.00000	4.89	
	95	p-Isopropyltoluene	119	8.830	8.837	(0.994)	301138	5.00000	4.83	7552
*	97	1,4-DICHLOROBENZENE-D4	152	8.882	8.888	(1.000)	1235791	50.0000		9637
	98	1,4-Dichlorobenzene	146	8.910	8.917	(1.003)	188795	5.00000	4.68	
	99	n-Butylbenzene	91	9.339	9.340	(1.052)	257919	5.00000	4.69	9554
	100	1,2-Dichlorobenzene	146	9.374	9.375	(1.055)	179618	5.00000	4.67	
	101	1,2-Dibromo-3-Chloropropane	157	10.375	10.370	(1.168)	17846	5.00000	4.94	8502
	103	1,2,4-Trichlorobenzene	180	11.518	11.525	(1.297)	121991	5.00000	4.42	
	104	Hexachlorobutadiene	225	11.776	11.777	(1.326)	104043	5.00000	4.66	9486
	105	Naphthalene	128	11.873	11.874	(1.337)	218699	5.00000	4.23	9625
	106	1,2,3-Trichlorobenzene	180	12.222	12.223	(1.376)	123454	5.00000	4.60	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv3.i/2060721p.s.b/u7870.d

Page 1

Date : 21-JUL-2006 13:29

Client ID: V3STD005

Instrument: msv3.i

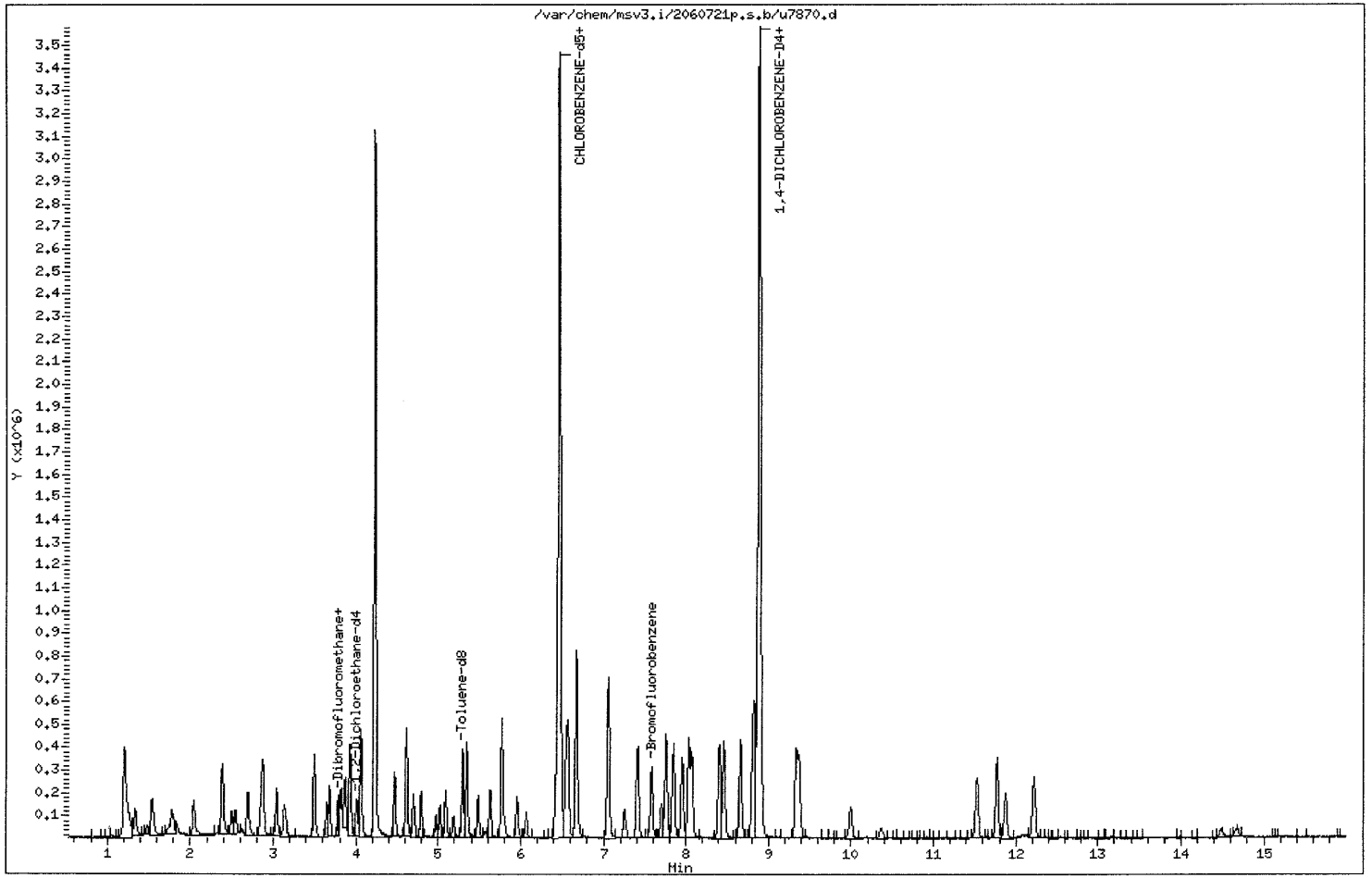
Sample Info: 1201*V3STD005*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

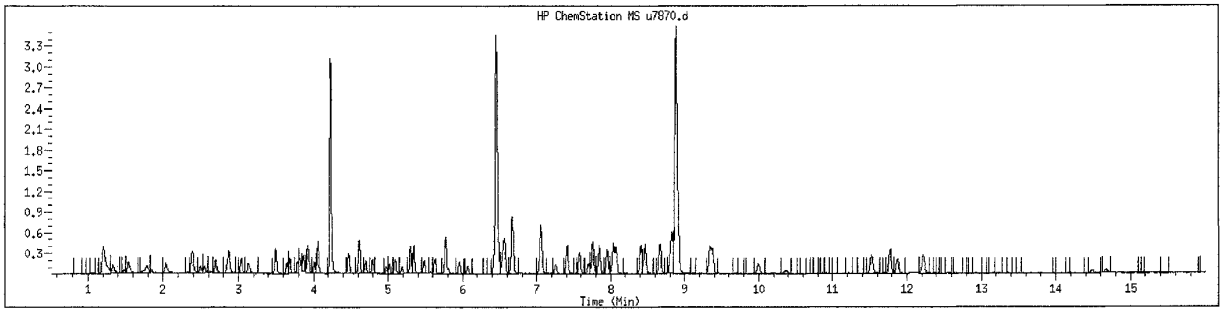
Column diameter: 0.53



Data file : /var/chem/msv3.i/2060721p.s.b/u7870.d Page: 1
Report Date: 07/21/2006 19:29

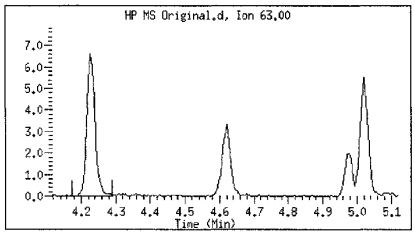
MANUAL INTEGRATION GRAPHIC REPORT

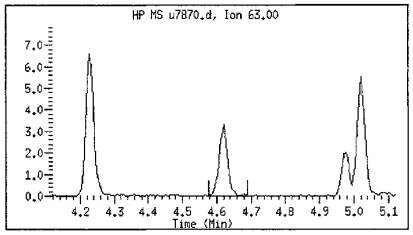
Lab ID : 1201 SampleType : CALIB_1
Injection Date: 21-JUL-2006 13:29 Instrument : msv3.i
Operator : ABD
Sample Info : 1201*V3STD005*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



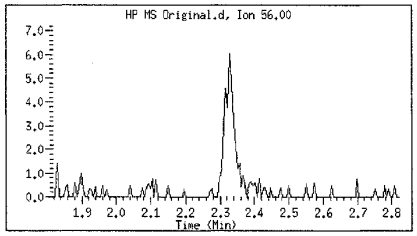
Original Final

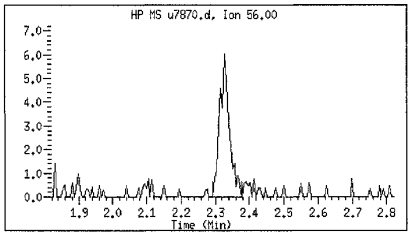
52 1,2-Dichloropropane + CAS#: 78-87-5





9 Acrolein CAS#: 107-02-8





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166693

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7871.d
Lab Smp Id: 1206 Client Smp ID: V3STD010
Inj Date : 21-JUL-2006 13:55
Operator : ABD Inst ID: msv3.i
Smp Info : 1206*V3STD010*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 13:55 Cal File: u7871.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				330161	20.0000	20.3	0
1 Dichlorodifluoromethane	85	1.333	1.333	(0.150)	226492	10.0000	9.99	9290
2 Chloromethane ++	50	1.487	1.476	(0.352)	125261	10.0000	11.3	9184
3 Vinyl Chloride +	62	1.556	1.556	(0.368)	107757	10.0000	9.77	7430
5 Bromomethane	94	1.779	1.774	(0.421)	43575	10.0000	7.76	8025
6 Chloroethane	64	1.842	1.837	(0.436)	66396	10.0000	10.4	9130
7 Trichlorofluoromethane	101	2.036	2.031	(0.482)	278832	10.0000	10.0	9109
9 Acrolein	56	2.322	2.317	(0.549)	21760	50.0000	66.2	4517(M)
10 1,1,2Trichlotrifluoroethane	101	2.385	2.380	(0.564)	151909	10.0000	10.0	8475
11 1,1-Dichloroethene +	96	2.385	2.386	(0.564)	106354	10.0000	9.61	8078
12 Acetone	43	2.425	2.426	(0.574)	34673	10.0000	10.0	
13 Methyl Iodide	142	2.494	2.494	(0.590)	242106	10.0000	10.1	9517
14 Carbon Disulfide	76	2.545	2.540	(0.602)	333993	10.0000	9.49	9387
17 Methyl Acetate	43	2.625	2.626	(0.621)	57616	10.0000	9.77	8581
18 Methylene Chloride	49	2.694	2.689	(0.637)	157058	10.0000	9.70	8525
20 Acrylonitrile	53	2.842	2.843	(0.673)	148316	50.0000	48.2	9355

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	2.871	2.866	(0.679)	146832	10.0000	9.73	
	21 MTBE	73	2.871	2.866	(0.679)	242563	10.0000	9.60	8582
	24 Hexane	57	3.037	3.032	(0.719)	138861	10.0000	10.6	9416
	26 1,1-Dichloroethane ++	63	3.128	3.129	(0.740)	180577	10.0000	10.1	6529
	25 Vinyl Acetate	43	3.146	3.146	(0.744)	129869	10.0000	9.50	
	34 cis-1,2-Dichloroethene	61	3.489	3.490	(0.825)	182704	10.0000	9.53	
	35 2,2-Dichloropropane	77	3.494	3.495	(0.827)	157011	10.0000	9.82	9190
	32 2-Butanone	43	3.489	3.495	(0.825)	57479	10.0000	8.12	
M	30 Total 1,2-Dichloroethene	61				329536	20.0000	19.3	0
	37 Bromochloromethane	128	3.649	3.644	(0.863)	77815	10.0000	10.1	8221
	38 Chloroform +	83	3.683	3.684	(0.871)	250560	10.0000	9.60	9019
$	39 Dibromofluoromethane	111	3.786	3.787	(0.896)	159045	10.0000	10.2	9437
	40 1,1,1-Trichloroethane	97	3.820	3.821	(0.904)	224782	10.0000	9.96	8789
	42 Cyclohexane	56	3.866	3.867	(0.915)	164756	10.0000	10.0	9396
	43 1,1-Dichloropropene	75	3.918	3.919	(0.927)	167238	10.0000	10.2	9229
	44 Carbon Tetrachloride	117	3.929	3.930	(0.930)	227053	10.0000	9.59	8959
$	45 1,2-Dichloroethane-d4	67	4.015	4.010	(0.950)	98247	10.0000	10.5	9402
	46 1,2-Dichloroethane	62	4.061	4.062	(0.961)	228783	10.0000	10.0	8508
	47 Benzene	78	4.061	4.062	(0.961)	401208	10.0000	9.65	9075
*	48 FLUOROBENZENE	96	4.226	4.227	(1.000)	2078684	50.0000		9195
	49 Trichloroethene	130	4.472	4.473	(1.058)	145623	10.0000	9.68	9221
	51 Methyl Cyclohexane	83	4.610	4.611	(1.091)	178668	10.0000	10.1	9193
	52 1,2-Dichloropropane +	63	4.621	4.616	(1.093)	109077	10.0000	10.5	4467(M)
	55 Dibromomethane	93	4.701	4.702	(1.112)	99658	10.0000	9.97	8933
	56 Bromodichloromethane	83	4.793	4.794	(1.134)	196316	10.0000	9.33	9344
	57 2-Chloroethyl vinyl ether	63	4.976	4.971	(1.177)	62990	10.0000	8.97	5186(M)
	58 1-Bromo-2-chloroethane	63	5.021	5.022	(1.188)	164804	10.0000	10.0	9014(M)
	59 cis-1,3-Dichloropropene	75	5.096	5.097	(1.206)	169109	10.0000	9.73	
	60 4-methyl-2-pentanone	43	5.187	5.188	(1.227)	113786	10.0000	9.49	
$	61 Toluene-d8	98	5.296	5.297	(1.253)	450602	10.0000	10.2	9773
	62 Toluene +	91	5.347	5.348	(1.265)	519317	10.0000	10.2	9047
	63 trans-1,3-Dichloropropene	75	5.485	5.486	(1.298)	161052	10.0000	9.35	
	65 1,1,2-Trichloroethane	97	5.633	5.629	(0.872)	114855	10.0000	9.98	9354
	66 1,3-Dichloropropane	76	5.765	5.766	(0.893)	173448	10.0000	9.59	8633
	67 Tetrachloroethene	164	5.771	5.772	(0.894)	141370	10.0000	9.49	8648
	68 2-Hexanone	43	5.811	5.806	(0.900)	82110	10.0000	9.79	
	69 Dibromochloromethane	129	5.954	5.960	(0.922)	186140	10.0000	9.62	9567
	70 1,2-Dibromoethane(EDB)	107	6.068	6.069	(0.940)	131167	10.0000	9.40	9473
	151 1-chlorohexane	91	6.428	6.429	(0.996)	158835	10.0000	9.41	3918
*	71 CHLOROBENZENE-d5	82	6.457	6.457	(1.000)	1069206	50.0000		9401
	72 Chlorobenzene ++	112	6.486	6.487	(1.004)	352140	10.0000	9.37	9350
	73 1,1,1,2-Tetrachloroethane	133	6.543	6.544	(1.013)	150864	10.0000	9.38	9315
	74 Ethylbenzene +	106	6.566	6.567	(1.017)	188216	10.0000	9.62	
	75 p,m-Xylene	106	6.674	6.670	(1.034)	446646	20.0000	20.0	
	76 o-Xylene	106	7.052	7.053	(1.092)	220605	10.0000	10.3	
	77 Styrene	104	7.058	7.064	(1.093)	384500	10.0000	10.2	9698
	79 Bromoform ++	173	7.258	7.259	(1.124)	135866	10.0000	9.10	9392

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	80 Isopropylbenzene	105	7.412	7.413	(1.148)	570634	10.0000	10.1	9728
$	82 Bromofluorobenzene	174	7.578	7.585	(1.174)	218040	10.0000	9.99	9046
	83 1,1,2,2-Tetrachloroethane++	83	7.704	7.705	(0.867)	141340	10.0000	9.92	9251
	84 trans-1,4-Dichloro-2-Butene	53	7.761	7.762	(0.873)	34403	10.0000	8.98	8764
	86 Bromobenzene	77	7.755	7.756	(0.873)	288276	10.0000	9.92	8904
	85 1,2,3-Trichloropropane	75	7.761	7.768	(0.873)	170968	10.0000	9.47	8944
	87 n-Propylbenzene	91	7.841	7.848	(0.882)	721238	10.0000	10.5	
M	78 TOTAL XYLENE	106				667251	30.0000	30.3	0
	88 2-Chlorotoluene	91	7.955	7.956	(0.895)	448028	10.0000	9.84	
	89 1,3,5-Trimethylbenzene	105	8.036	8.036	(0.904)	574249	10.0000	10.1	9403
	90 4-Chlorotoluene	91	8.070	8.071	(0.908)	545793	10.0000	9.83	(H)
	91 tert-butylbenzene	91	8.407	8.408	(0.946)	446394	10.0000	10.9	9569
	93 1,2,4-Trimethylbenzene	105	8.465	8.465	(0.952)	592387	10.0000	10.4	
	94 sec-Butylbenzene	105	8.665	8.671	(0.975)	683403	10.0000	10.4	
	96 1,3-Dichlorobenzene	146	8.808	8.814	(0.991)	368469	10.0000	10.2	
	95 p-Isopropyltoluene	119	8.831	8.837	(0.994)	626137	10.0000	10.6	7510
*	97 1,4-DICHLOROBENZENE-D4	152	8.888	8.888	(1.000)	1172936	50.0000		9638
	98 1,4-Dichlorobenzene	146	8.911	8.917	(1.003)	375594	10.0000	9.81	
	99 n-Butylbenzene	91	9.334	9.340	(1.050)	539199	10.0000	10.3	9695
	100 1,2-Dichlorobenzene	146	9.374	9.375	(1.055)	355279	10.0000	9.73	
	101 1,2-Dibromo-3-Chloropropane	157	10.375	10.370	(1.167)	38563	10.0000	9.72	8980
	103 1,2,4-Trichlorobenzene	180	11.530	11.525	(1.297)	254870	10.0000	9.74	
	104 Hexachlorobutadiene	225	11.770	11.777	(1.324)	205474	10.0000	9.69	9552
	105 Naphthalene	128	11.868	11.874	(1.335)	485489	10.0000	9.90	9636
	106 1,2,3-Trichlorobenzene	180	12.222	12.223	(1.375)	253484	10.0000	9.95	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

166696

Data File: /var/chem/msv3.i/2060721p.s.b/u7871.d

Page 1

Date : 21-JUL-2006 13:55

Client ID: W3STD010

Instrument: msv3.i

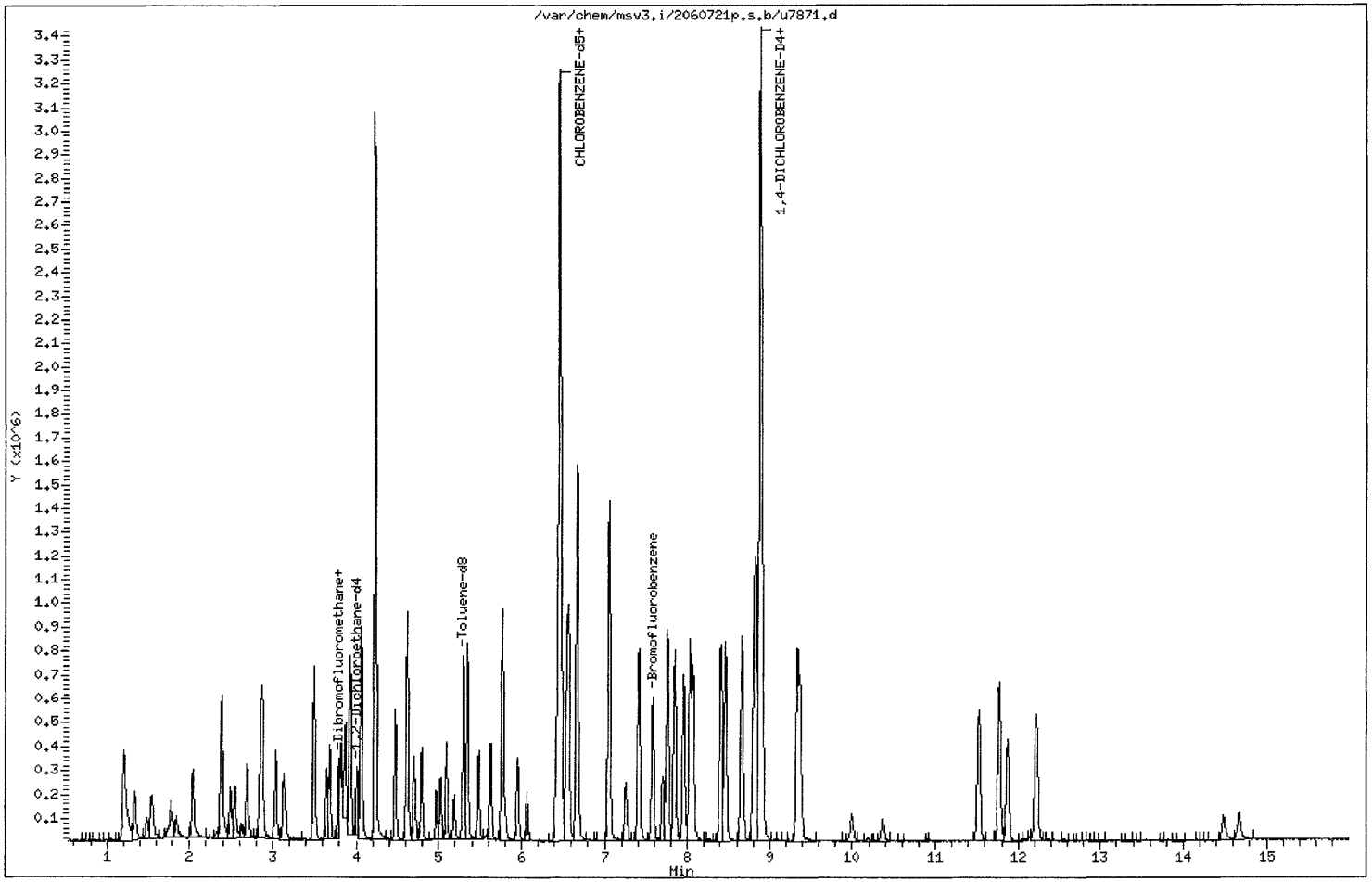
Sample Info: 1206WW3STD010W5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

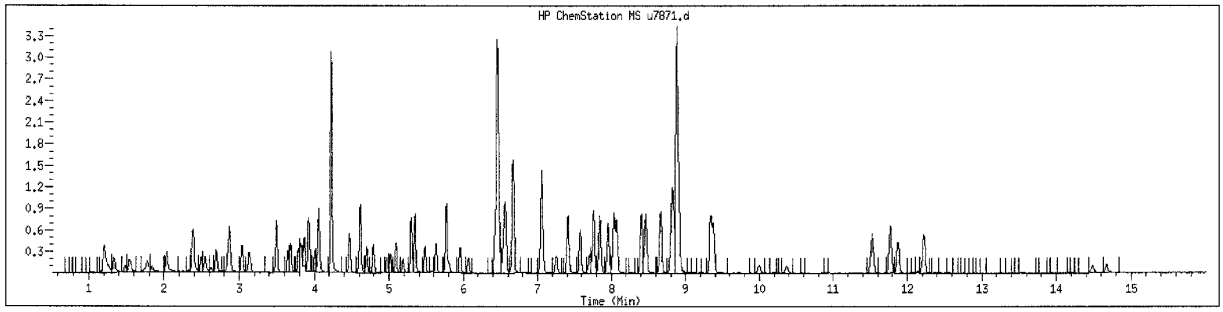
Column diameter: 0.53



Data file : /var/chem/msv3.i/2060721p.s.b/u7871.d Page: 1
Report Date: 07/21/2006 19:29

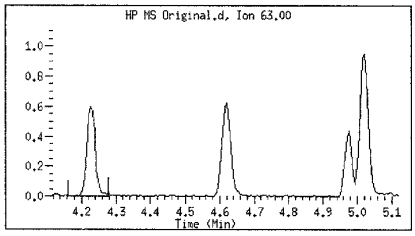
MANUAL INTEGRATION GRAPHIC REPORT

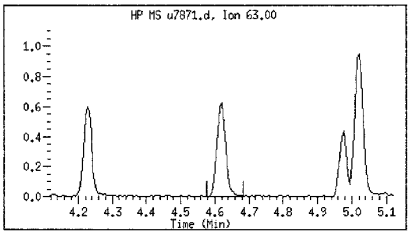
Lab ID : 1206 SampleType : CALIB_6
Injection Date: 21-JUL-2006 13:55 Instrument : msv3.i
Operator : ABD
Sample Info : 1206*V3STD010*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



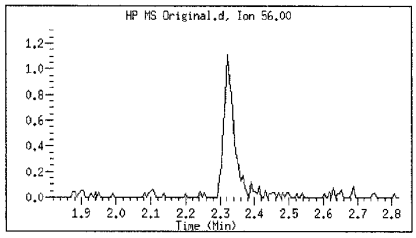
Original Final

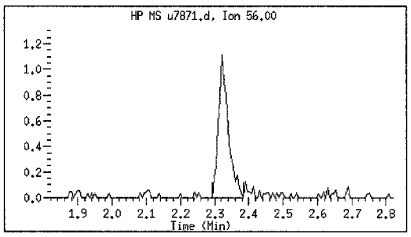
52 1,2-Dichloropropane + CAS#: 78-87-5





9 Acrolein CAS#: 107-02-8



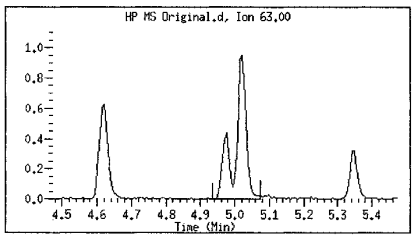


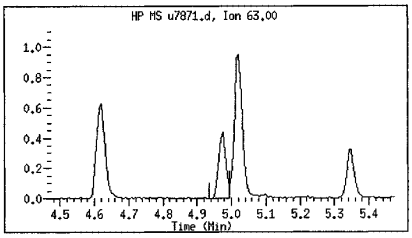
000237

166698

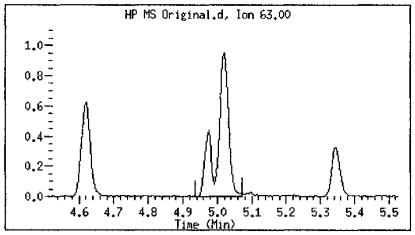
Original Final

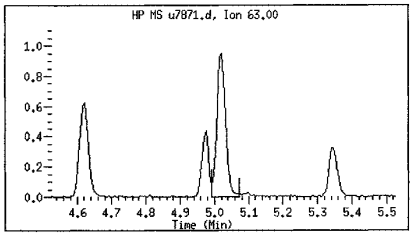
57 2-Chloroethyl vinyl ether CAS#: 110-75-8





58 1-Bromo-2-chloroethane CAS#: 107-04-0





GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7872.d
Lab Smp Id: 1202 Client Smp ID: V3STD020
Inj Date : 21-JUL-2006 14:22
Operator : ABD Inst ID: msv3.i
Smp Info : 1202*V3STD020*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 14:22 Cal File: u7872.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				747084	40.0000	45.1	0
1 Dichlorodifluoromethane	85	1.336	1.333	(0.150)	465138	20.0000	20.5	9182
2 Chloromethane ++	50	1.479	1.476	(0.350)	230330	20.0000	20.5	9234
3 Vinyl Chloride +	62	1.559	1.556	(0.368)	231233	20.0000	20.6	8644
5 Bromomethane	94	1.782	1.774	(0.421)	94825	20.0000	20.1	9111
6 Chloroethane	64	1.845	1.837	(0.436)	132320	20.0000	20.4	9024
7 Trichlorofluoromethane	101	2.033	2.031	(0.481)	576387	20.0000	20.4	8944
9 Acrolein	56	2.325	2.317	(0.550)	47963	100.000	102	8729
10 1,1,2Trichlotrifluoroethane	101	2.382	2.380	(0.563)	301942	20.0000	19.5	8273
11 1,1-Dichloroethene +	96	2.388	2.386	(0.565)	221381	20.0000	19.7	8215
12 Acetone	43	2.422	2.426	(0.573)	71281	20.0000	20.3	
13 Methyl Iodide	142	2.497	2.494	(0.590)	505507	20.0000	20.8	9615
14 Carbon Disulfide	76	2.548	2.540	(0.602)	746899	20.0000	20.9	9613
17 Methyl Acetate	43	2.628	2.626	(0.621)	117890	20.0000	19.7	9197
18 Methylene Chloride	49	2.691	2.689	(0.636)	281351	20.0000	20.4	8901
20 Acrylonitrile	53	2.845	2.843	(0.673)	312682	100.000	100	9268

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	2.868	2.866	(0.678)	296236	20.0000	19.3	
	21 MTBE	73	2.868	2.866	(0.678)	504165	20.0000	19.6	8528
	24 Hexane	57	3.034	3.032	(0.717)	276096	20.0000	20.7	9592
	26 1,1-Dichloroethane ++	63	3.131	3.129	(0.740)	366156	20.0000	20.1	6920
	25 Vinyl Acetate	43	3.149	3.146	(0.744)	269677	20.0000	19.4	
	34 cis-1,2-Dichloroethene	61	3.492	3.490	(0.826)	386988	20.0000	19.9	
	35 2,2-Dichloropropane	77	3.497	3.495	(0.827)	327250	20.0000	20.1	9298
	32 2-Butanone	43	3.492	3.495	(0.826)	123271	20.0000	21.4	
M	30 Total 1,2-Dichloroethene	61				683224	40.0000	39.2	0
	37 Bromochloromethane	128	3.646	3.644	(0.862)	156078	20.0000	20.0	8033
	38 Chloroform +	83	3.686	3.684	(0.872)	520629	20.0000	19.6	9352
$	39 Dibromofluoromethane	111	3.789	3.787	(0.896)	327631	20.0000	20.6	9545
	40 1,1,1-Trichloroethane	97	3.823	3.821	(0.904)	485644	20.0000	21.2	8716
	42 Cyclohexane	56	3.863	3.867	(0.913)	344783	20.0000	20.7	9344
	43 1,1-Dichloropropene	75	3.921	3.919	(0.927)	333944	20.0000	20.0	8856
	44 Carbon Tetrachloride	117	3.932	3.930	(0.930)	493822	20.0000	20.5	8185
$	45 1,2-Dichloroethane-d4	67	4.012	4.010	(0.949)	196938	20.0000	20.8	9522
	46 1,2-Dichloroethane	62	4.058	4.062	(0.959)	471424	20.0000	20.3	8517
	47 Benzene	78	4.058	4.062	(0.959)	841872	20.0000	19.9	9084
*	48 FLUOROBENZENE	96	4.230	4.227	(1.000)	2112643	50.0000		9214
	49 Trichloroethene	130	4.470	4.473	(1.057)	309668	20.0000	20.3	9514
	51 Methyl Cyclohexane	83	4.613	4.611	(1.091)	378687	20.0000	21.0	9449
	52 1,2-Dichloropropane +	63	4.618	4.616	(1.092)	221635	20.0000	21.1	9432
	55 Dibromomethane	93	4.699	4.702	(1.111)	200276	20.0000	19.7	8881
	56 Bromodichloromethane	83	4.790	4.794	(1.133)	422134	20.0000	19.7	9459
	57 2-Chloroethyl vinyl ether	63	4.973	4.971	(1.176)	144922	20.0000	20.3	5141(M)
	58 1-Bromo-2-chloroethane	63	5.019	5.022	(1.187)	334558	20.0000	20.1	9213
	59 cis-1,3-Dichloropropene	75	5.093	5.097	(1.204)	377844	20.0000	21.4	
	60 4-methyl-2-pentanone	43	5.185	5.188	(1.226)	238841	20.0000	19.6	
$	61 Toluene-d8	98	5.299	5.297	(1.253)	942684	20.0000	21.0	9808
	62 Toluene +	91	5.345	5.348	(1.264)	1081874	20.0000	21.0	9006
	63 trans-1,3-Dichloropropene	75	5.482	5.486	(1.296)	369240	20.0000	21.1	
	65 1,1,2-Trichloroethane	97	5.631	5.629	(0.872)	239576	20.0000	20.5	9555
	66 1,3-Dichloropropane	76	5.768	5.766	(0.894)	368973	20.0000	20.1	8560
	67 Tetrachloroethene	164	5.774	5.772	(0.895)	306566	20.0000	21.8	8353
	68 2-Hexanone	43	5.802	5.806	(0.899)	178237	20.0000	20.9	
	69 Dibromochloromethane	129	5.957	5.960	(0.923)	394154	20.0000	20.1	9666
	70 1,2-Dibromoethane(EDB)	107	6.071	6.069	(0.941)	279164	20.0000	19.7	9553
	151 1-chlorohexane	91	6.426	6.429	(0.996)	343125	20.0000	20.0	4089
*	71 CHLOROBENZENE-d5	82	6.454	6.457	(1.000)	1085217	50.0000		9290
	72 Chlorobenzene ++	112	6.483	6.487	(1.004)	737971	20.0000	19.3	9359
	73 1,1,1,2-Tetrachloroethane	133	6.540	6.544	(1.013)	320246	20.0000	19.6	8733
	74 Ethylbenzene +	106	6.569	6.567	(1.018)	399321	20.0000	20.1	
	75 p,m-Xylene	106	6.666	6.670	(1.033)	920135	40.0000	40.6	
	76 o-Xylene	106	7.049	7.053	(1.092)	466378	20.0000	21.5	
	77 Styrene	104	7.061	7.064	(1.094)	800511	20.0000	20.8	9651
	79 Bromoform ++	173	7.255	7.259	(1.124)	303993	20.0000	20.1	9573

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
80	Isopropylbenzene	105	7.409	7.413	(1.148)	1244773	20.0000	21.7	9612
$ 82	Bromofluorobenzene	174	7.581	7.585	(1.175)	455323	20.0000	20.6	9045
83	1,1,2,2-Tetrachloroethane++	83	7.701	7.705	(0.867)	285521	20.0000	20.0	9329
84	trans-1,4-Dichloro-2-Butene	53	7.770	7.762	(0.874)	82912	20.0000	21.7	8995
86	Bromobenzene	77	7.753	7.756	(0.873)	604780	20.0000	20.8	8882
85	1,2,3-Trichloropropane	75	7.764	7.768	(0.874)	360235	20.0000	20.0	9047
87	n-Propylbenzene	91	7.844	7.848	(0.883)	1517195	20.0000	22.1	
M 78	TOTAL XYLENE	106				1386513	60.0000	62.1	0
88	2-Chlorotoluene	91	7.953	7.956	(0.895)	962846	20.0000	21.2	
89	1,3,5-Trimethylbenzene	105	8.033	8.036	(0.904)	1249331	20.0000	22.1	9270
90	4-Chlorotoluene	91	8.067	8.071	(0.908)	1167715	20.0000	21.1	
91	tert-butylbenzene	91	8.405	8.408	(0.946)	945518	20.0000	23.0	9528
93	1,2,4-Trimethylbenzene	105	8.462	8.465	(0.952)	1245603	20.0000	21.8	
94	sec-Butylbenzene	105	8.662	8.671	(0.975)	1477629	20.0000	22.5	
96	1,3-Dichlorobenzene	146	8.811	8.814	(0.992)	737184	20.0000	20.4	
95	p-Isopropyltoluene	119	8.828	8.837	(0.994)	1285492	20.0000	21.8	7742
* 97	1,4-DICHLOROBENZENE-D4	152	8.885	8.888	(1.000)	1172225	50.0000		9460
98	1,4-Dichlorobenzene	146	8.914	8.917	(1.003)	754700	20.0000	19.7	
99	n-Butylbenzene	91	9.337	9.340	(1.051)	1169110	20.0000	22.4	9747
100	1,2-Dichlorobenzene	146	9.371	9.375	(1.055)	719756	20.0000	19.7	
101	1,2-Dibromo-3-Chloropropane	157	10.372	10.370	(1.167)	82333	20.0000	19.4	9216
103	1,2,4-Trichlorobenzene	180	11.527	11.525	(1.297)	545205	20.0000	20.8	
104	Hexachlorobutadiene	225	11.773	11.777	(1.325)	436521	20.0000	20.6	9496
105	Naphthalene	128	11.871	11.874	(1.336)	1037241	20.0000	21.2	9636
106	1,2,3-Trichlorobenzene	180	12.225	12.223	(1.376)	525095	20.0000	20.6	

QC Flag Legend

M - Compound response manually integrated.

166702

Data File: /var/chem/msv3.i/2060721p.s.b/u7872.d

Page 1

Date : 21-JUL-2006 14:22

Client ID: V3STD020

Instrument: msv3.i

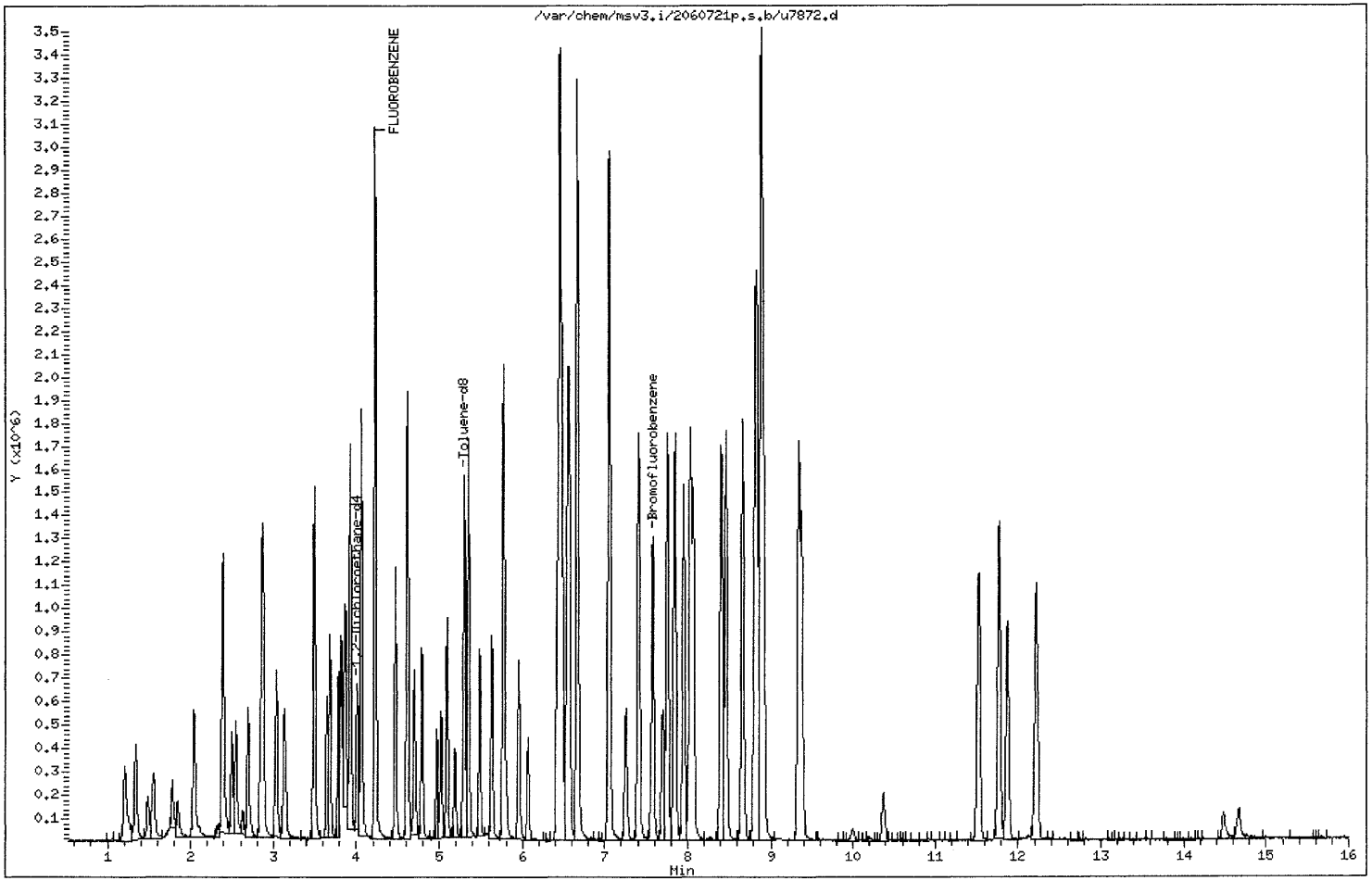
Sample Info: 1202*V3STD020*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

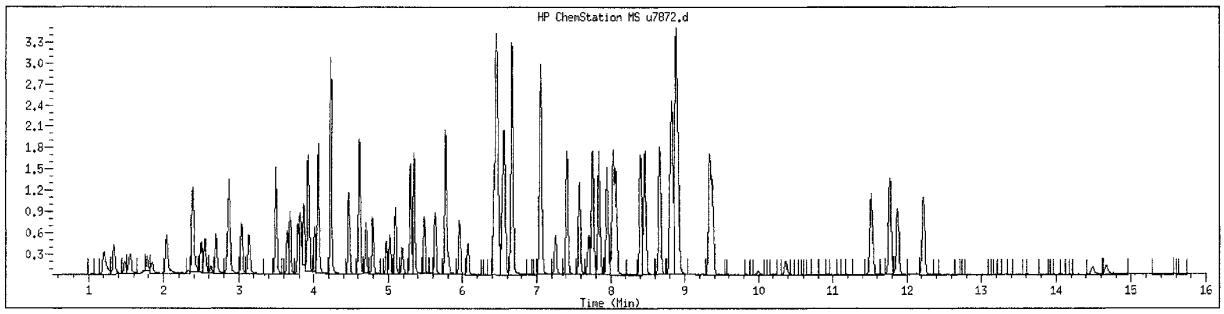
Column diameter: 0.53



Data file : /var/chem/msv3.i/2060721p.s.b/u7872.d Page: 1
Report Date: 07/21/2006 19:29

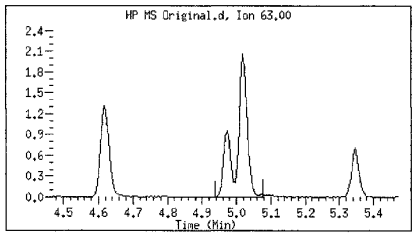
MANUAL INTEGRATION GRAPHIC REPORT

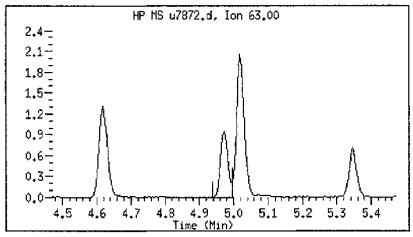
Lab ID : 1202 SampleType : CALIB_2
Injection Date: 21-JUL-2006 14:22 Instrument : msv3.i
Operator : ABD
Sample Info : 1202*V3STD020*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



Original Final

57 2-Chloroethyl vinyl ether CAS#: 110-75-8





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166704

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7873.d
Lab Smp Id: 1203 Client Smp ID: V3STD050
Inj Date : 21-JUL-2006 14:48
Operator : ABD Inst ID: msv3.i
Smp Info : 1203*V3STD050*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 14:48 Cal File: u7873.d
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				1920396	100.000	117	0
1 Dichlorodifluoromethane	85	1.338	1.333	(0.151)	1063051	50.0000	47.0	9370
2 Chloromethane ++	50	1.481	1.476	(0.350)	529271	50.0000	47.5	9254
3 Vinyl Chloride +	62	1.561	1.556	(0.369)	535085	50.0000	48.2	8994
5 Bromomethane	94	1.778	1.774	(0.421)	252006	50.0000	59.3	8914(M)
6 Chloroethane	64	1.853	1.837	(0.438)	327838	50.0000	51.1	8701
7 Trichlorofluoromethane	101	2.047	2.031	(0.484)	1341156	50.0000	47.8	8357
9 Acrolein	56	2.322	2.317	(0.549)	131263	250.000	220	9398(A)
10 1,1,2Trichlotrifluoroethane	101	2.385	2.380	(0.564)	711793	50.0000	46.5	8512
11 1,1-Dichloroethene +	96	2.390	2.386	(0.566)	538379	50.0000	48.3	8052
12 Acetone	43	2.425	2.426	(0.574)	165341	50.0000	47.5	
13 Methyl Iodide	142	2.493	2.494	(0.590)	1241849	50.0000	51.6	9481
14 Carbon Disulfide	76	2.550	2.540	(0.603)	1741338	50.0000	49.2	9573
17 Methyl Acetate	43	2.625	2.626	(0.621)	317101	50.0000	53.4	9380
18 Methylene Chloride	49	2.693	2.689	(0.637)	631825	50.0000	51.9	8751
20 Acrylonitrile	53	2.842	2.843	(0.672)	770119	250.000	249	9726(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	2.871	2.866	(0.679)	724122	50.0000	47.7	
	21 MTBE	73	2.871	2.866	(0.679)	1238282	50.0000	48.7	8585
	24 Hexane	57	3.037	3.032	(0.719)	653476	50.0000	49.5	9697
	26 1,1-Dichloroethane ++	63	3.128	3.129	(0.740)	860745	50.0000	47.7	6422
	25 Vinyl Acetate	43	3.145	3.146	(0.744)	676910	50.0000	49.2	
	34 cis-1,2-Dichloroethene	61	3.494	3.490	(0.827)	942131	50.0000	48.8	
	35 2,2-Dichloropropane	77	3.494	3.495	(0.827)	830120	50.0000	51.6	9215
	32 2-Butanone	43	3.494	3.495	(0.827)	283655	50.0000	54.8	
M	30 Total 1,2-Dichloroethene	61				1666253	100.000	96.5	0
	37 Bromochloromethane	128	3.648	3.644	(0.863)	371061	50.0000	47.9	8209
	38 Chloroform +	83	3.683	3.684	(0.871)	1241740	50.0000	47.3	8978
$	39 Dibromofluoromethane	111	3.786	3.787	(0.896)	808630	50.0000	51.3	9572
	40 1,1,1-Trichloroethane	97	3.820	3.821	(0.904)	1173573	50.0000	51.6	8999
	42 Cyclohexane	56	3.866	3.867	(0.915)	799800	50.0000	48.4	9409
	43 1,1-Dichloropropene	75	3.923	3.919	(0.928)	809255	50.0000	49.0	8926
	44 Carbon Tetrachloride	117	3.934	3.930	(0.931)	1160015	50.0000	48.7	8189
$	45 1,2-Dichloroethane-d4	67	4.009	4.010	(0.949)	475847	50.0000	50.7	9523
	46 1,2-Dichloroethane	62	4.060	4.062	(0.961)	1109583	50.0000	48.4	8560
	47 Benzene	78	4.060	4.062	(0.961)	2041846	50.0000	48.8	9109
*	48 FLUOROBENZENE	96	4.226	4.227	(1.000)	2092031	50.0000		9156
	49 Trichloroethene	130	4.472	4.473	(1.058)	726335	50.0000	48.0	9444
	51 Methyl Cyclohexane	83	4.609	4.611	(1.091)	918150	50.0000	51.5	9037
	52 1,2-Dichloropropane +	63	4.621	4.616	(1.093)	515482	50.0000	49.5	9624
	55 Dibromomethane	93	4.701	4.702	(1.112)	502731	50.0000	50.0	8952
	56 Bromodichloromethane	83	4.792	4.794	(1.134)	1050852	50.0000	49.6	9459
	57 2-Chloroethyl vinyl ether	63	4.970	4.971	(1.176)	367324	50.0000	52.0	9354
	58 1-Bromo-2-chloroethane	63	5.021	5.022	(1.188)	799694	50.0000	48.5	9150
	59 cis-1,3-Dichloropropene	75	5.096	5.097	(1.206)	956442	50.0000	54.7	
	60 4-methyl-2-pentanone	43	5.187	5.188	(1.227)	619367	50.0000	51.3	
$	61 Toluene-d8	98	5.296	5.297	(1.253)	2263306	50.0000	51.0	9848
	62 Toluene +	91	5.347	5.348	(1.265)	2560742	50.0000	50.1	9024
	63 trans-1,3-Dichloropropene	75	5.484	5.486	(1.298)	963954	50.0000	55.6	
	65 1,1,2-Trichloroethane	97	5.627	5.629	(0.872)	587317	50.0000	51.2	9593
	66 1,3-Dichloropropane	76	5.770	5.766	(0.894)	873470	50.0000	48.5	8385
	67 Tetrachloroethene	164	5.770	5.772	(0.894)	698676	50.0000	52.3	8844
	68 2-Hexanone	43	5.805	5.806	(0.899)	427887	50.0000	51.2	
	69 Dibromochloromethane	129	5.959	5.960	(0.923)	967334	50.0000	50.2	9536
	70 1,2-Dibromoethane(EDB)	107	6.068	6.069	(0.940)	689118	50.0000	49.6	9634
	151 1-chlorohexane	91	6.428	6.429	(0.996)	810672	50.0000	48.2	4094
*	71 CHLOROBENZENE-d5	82	6.457	6.457	(1.000)	1064714	50.0000		9204
	72 Chlorobenzene ++	112	6.480	6.487	(1.004)	1730180	50.0000	46.2	8907
	73 1,1,1,2-Tetrachloroethane	133	6.542	6.544	(1.013)	776106	50.0000	48.4	9268
	74 Ethylbenzene +	106	6.565	6.567	(1.017)	917722	50.0000	47.1	
	75 p,m-Xylene	106	6.668	6.670	(1.033)	2175244	100.000	97.8	
	76 o-Xylene	106	7.052	7.053	(1.092)	1110225	50.0000	52.2	
	77 Styrene	104	7.057	7.064	(1.093)	1937244	50.0000	51.4	9701
	79 Bromoform ++	173	7.257	7.259	(1.124)	782891	50.0000	52.7	9507

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
80	Isopropylbenzene	105	7.412	7.413	(1.148)	3012470	50.0000	53.5	9759
$ 82	Bromofluorobenzene	174	7.578	7.585	(1.174)	1103151	50.0000	50.7	9060
83	1,1,2,2-Tetrachloroethane++	83	7.704	7.705	(0.867)	702194	50.0000	49.4	9476
84	trans-1,4-Dichloro-2-Butene	53	7.755	7.762	(0.873)	198112	50.0000	51.9	5815(MH)
86	Bromobenzene	77	7.755	7.756	(0.873)	1462740	50.0000	50.5	9066(H)
85	1,2,3-Trichloropropane	75	7.761	7.768	(0.874)	911510	50.0000	50.7	9058
87	n-Propylbenzene	91	7.846	7.848	(0.883)	3587280	50.0000	52.3	
M 78	TOTAL XYLENE	106				3285469	150.000	150	0
88	2-Chlorotoluene	91	7.955	7.956	(0.896)	2282252	50.0000	50.3	
89	1,3,5-Trimethylbenzene	105	8.030	8.036	(0.904)	2939340	50.0000	52.1	9290
90	4-Chlorotoluene	91	8.070	8.071	(0.909)	2748747	50.0000	49.7	
91	tert-butylbenzene	91	8.407	8.408	(0.947)	2285502	50.0000	55.8	9551
93	1,2,4-Trimethylbenzene	105	8.464	8.465	(0.953)	3006632	50.0000	52.7	
94	sec-Butylbenzene	105	8.664	8.671	(0.976)	3475407	50.0000	53.0	
96	1,3-Dichlorobenzene	146	8.807	8.814	(0.992)	1736005	50.0000	48.1	
95	p-Isopropyltoluene	119	8.830	8.837	(0.994)	3136377	50.0000	53.2	7344
* 97	1,4-DICHLOROBENZENE-D4	152	8.882	8.888	(1.000)	1169706	50.0000		9540
98	1,4-Dichlorobenzene	146	8.916	8.917	(1.004)	1794719	50.0000	47.0	
99	n-Butylbenzene	91	9.339	9.340	(1.052)	2854342	50.0000	54.8	9685
100	1,2-Dichlorobenzene	146	9.374	9.375	(1.055)	1694755	50.0000	46.5	
101	1,2-Dibromo-3-Chloropropane	157	10.369	10.370	(1.167)	212941	50.0000	48.4	9393
103	1,2,4-Trichlorobenzene	180	11.524	11.525	(1.298)	1351082	50.0000	51.8	
104	Hexachlorobutadiene	225	11.770	11.777	(1.325)	1026813	50.0000	48.6	9671
105	Naphthalene	128	11.873	11.874	(1.337)	2715605	50.0000	55.5	9779
106	1,2,3-Trichlorobenzene	180	12.222	12.223	(1.376)	1300489	50.0000	51.2	

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.

0002477

Data File: /var/chem/msv3.i/2060721p.s.b/u7873.d

Page 1

Date : 21-JUL-2006 14:48

Client ID: V3STD050

Instrument: msv3.i

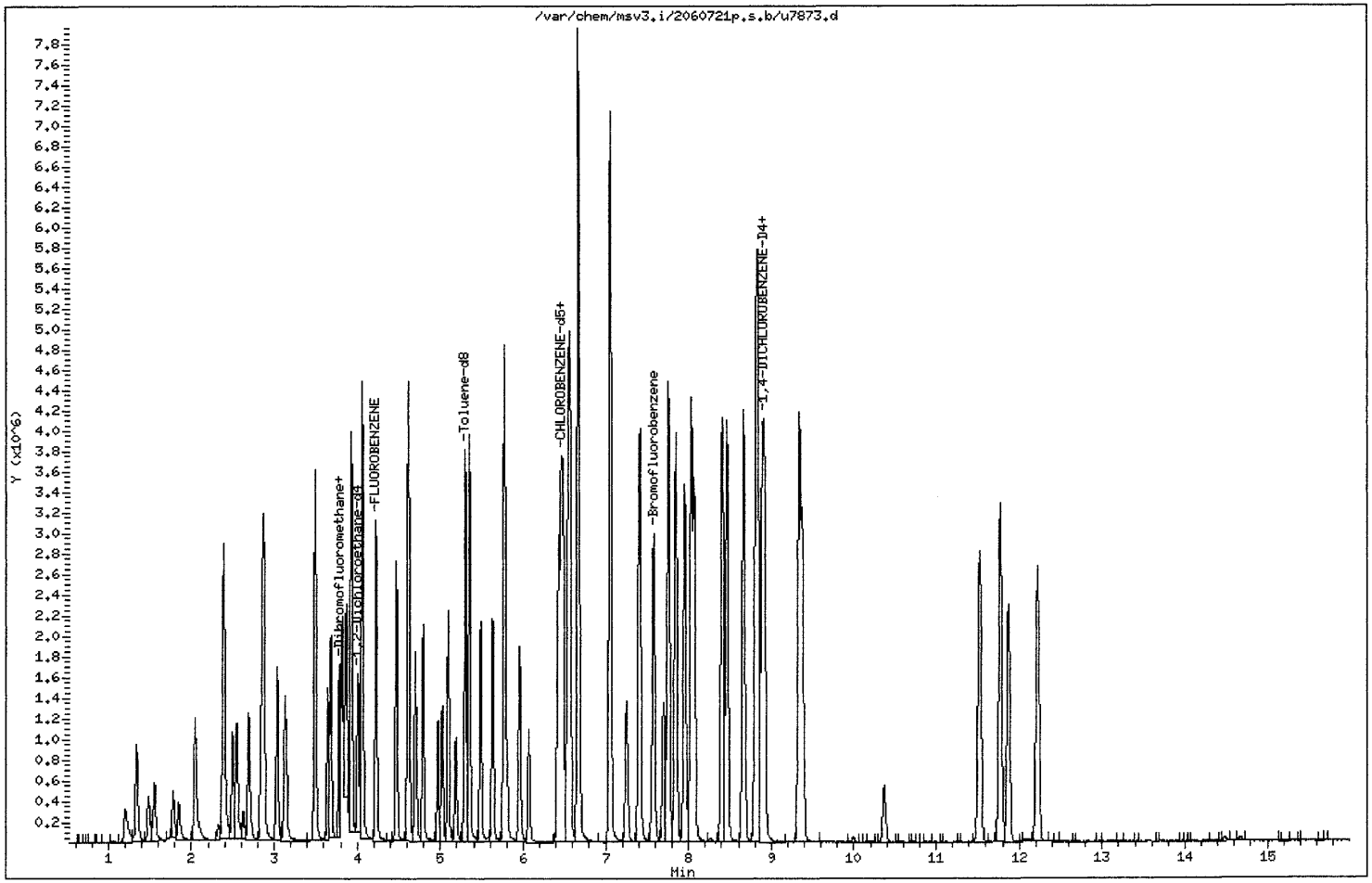
Sample Info: 1203*V3STD050*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

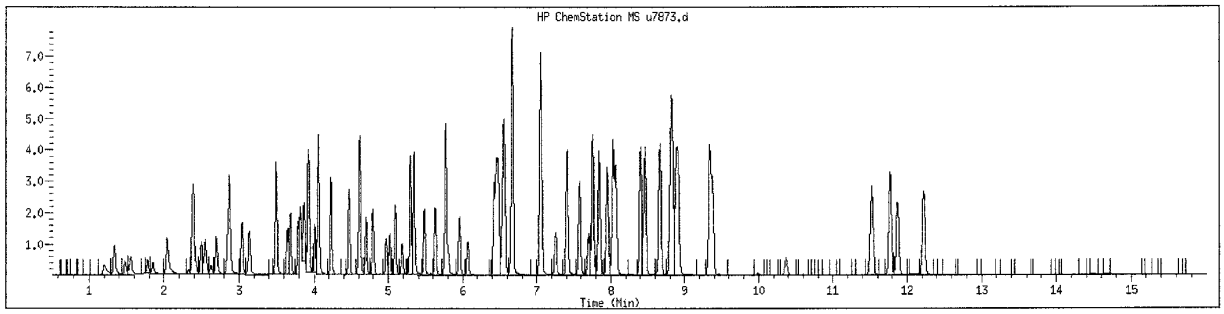


166708

Data file : /var/chem/msv3.i/2060721p.s.b/u7873.d Page: 1
Report Date: 07/21/2006 19:29

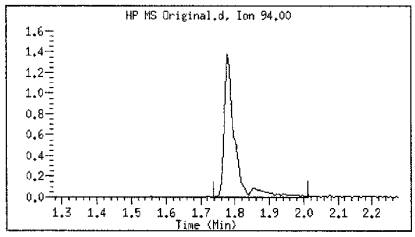
MANUAL INTEGRATION GRAPHIC REPORT

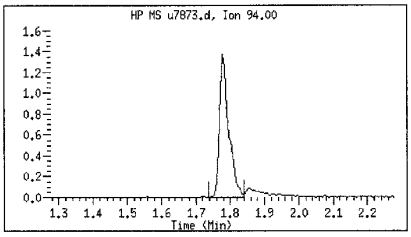
Lab ID : 1203 SampleType : CALIB_3
Injection Date: 21-JUL-2006 14:48 Instrument : msv3.i
Operator : ABD
Sample Info : 1203*V3STD050*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



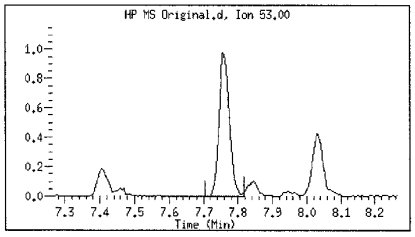
Original Final

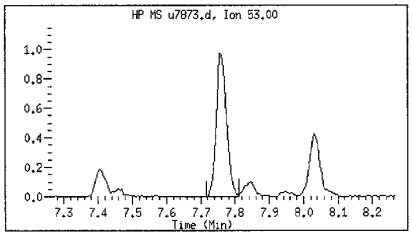
5 Bromomethane CAS#: 74-83-9





84 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6





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166709

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7874.d
Lab Smp Id: 1204 Client Smp ID: V3STD100
Inj Date : 21-JUL-2006 15:15
Operator : ABD Inst ID: msv3.i
Smp Info : 1204*V3STD100*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:15 Cal File: u7874.d
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				3847408	200.000	231	0(A)
1 Dichlorodifluoromethane	85	1.335	1.333	(0.150)	2127955	100.000	93.4	8939
2 Chloromethane ++	50	1.478	1.476	(0.349)	1038769	100.000	91.8	9114
3 Vinyl Chloride +	62	1.558	1.556	(0.368)	1034607	100.000	91.8	9105
5 Bromomethane	94	1.775	1.774	(0.420)	444451	100.000	105	8559
6 Chloroethane	64	1.850	1.837	(0.437)	633347	100.000	97.2	8558
7 Trichlorofluoromethane	101	2.038	2.031	(0.482)	2681700	100.000	94.2	8788
9 Acrolein	56	2.319	2.317	(0.548)	310726	500.000	466	9605(A)
10 1,1,2Trichlotrifluoroethane	101	2.382	2.380	(0.563)	1410192	100.000	90.8	8248
11 1,1-Dichloroethene +	96	2.387	2.386	(0.565)	1058378	100.000	93.6	8154
12 Acetone	43	2.422	2.426	(0.573)	310230	100.000	87.9	
13 Methyl Iodide	142	2.490	2.494	(0.589)	2448701	100.000	100	9435
14 Carbon Disulfide	76	2.547	2.540	(0.602)	3545416	100.000	98.7	9512
17 Methyl Acetate	43	2.627	2.626	(0.621)	583148	100.000	96.8	9425
18 Methylene Chloride	49	2.690	2.689	(0.636)	1195317	100.000	101	8745
20 Acrylonitrile	53	2.839	2.843	(0.671)	1527089	500.000	486	9746(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	2.868	2.866	(0.678)	1382319	100.000	89.6	
	21 MTBE	73	2.873	2.866	(0.679)	2511029	100.000	97.3	8583
	24 Hexane	57	3.034	3.032	(0.717)	1245618	100.000	92.9	9680
	26 1,1-Dichloroethane ++	63	3.131	3.129	(0.740)	1713823	100.000	93.5	7049
	25 Vinyl Acetate	43	3.142	3.146	(0.743)	1323691	100.000	94.8	
	34 cis-1,2-Dichloroethene	61	3.491	3.490	(0.826)	1766690	100.000	90.2	
	35 2,2-Dichloropropane	77	3.497	3.495	(0.827)	1637614	100.000	100	9152
	32 2-Butanone	43	3.491	3.495	(0.826)	532172	100.000	105	
M	30 Total 1,2-Dichloroethene	61				3149009	200.000	180	0
	37 Bromochloromethane	128	3.646	3.644	(0.862)	722451	100.000	92.0	8007
	38 Chloroform +	83	3.680	3.684	(0.870)	2381360	100.000	89.4	8919
$	39 Dibromofluoromethane	111	3.789	3.787	(0.896)	1575641	100.000	98.5	9596
	40 1,1,1-Trichloroethane	97	3.823	3.821	(0.904)	2325674	100.000	101	8926
	42 Cyclohexane	56	3.863	3.867	(0.913)	1596941	100.000	95.2	9434
	43 1,1-Dichloropropene	75	3.920	3.919	(0.927)	1612413	100.000	96.2	8888
	44 Carbon Tetrachloride	117	3.932	3.930	(0.930)	2305858	100.000	95.3	8209
$	45 1,2-Dichloroethane-d4	67	4.012	4.010	(0.949)	908592	100.000	95.4	9615
	46 1,2-Dichloroethane	62	4.057	4.062	(0.959)	2078327	100.000	89.2	8514
	47 Benzene	78	4.057	4.062	(0.959)	3877065	100.000	91.3	9063
*	48 FLUOROBENZENE	96	4.229	4.227	(1.000)	2123481	50.0000		9146
	49 Trichloroethene	130	4.469	4.473	(1.057)	1426048	100.000	92.8	9415
	51 Methyl Cyclohexane	83	4.612	4.611	(1.091)	1788463	100.000	98.8	9402
	52 1,2-Dichloropropane +	63	4.618	4.616	(1.092)	987038	100.000	93.3	4611(M)
	55 Dibromomethane	93	4.698	4.702	(1.111)	974678	100.000	95.4	8931
	56 Bromodichloromethane	83	4.789	4.794	(1.133)	2041840	100.000	95.0	9476
	57 2-Chloroethyl vinyl ether	63	4.972	4.971	(1.176)	759846	100.000	106	4999(M)
	58 1-Bromo-2-chloroethane	63	5.018	5.022	(1.187)	1584664	100.000	94.6	9096(M)
	59 cis-1,3-Dichloropropene	75	5.093	5.097	(1.204)	1890777	100.000	106	
	60 4-methyl-2-pentanone	43	5.184	5.188	(1.226)	1232040	100.000	101	
$	61 Toluene-d8	98	5.298	5.297	(1.253)	4398401	100.000	97.6	9783
	62 Toluene +	91	5.344	5.348	(1.264)	4992685	100.000	96.2	9018
	63 trans-1,3-Dichloropropene	75	5.481	5.486	(1.296)	1956631	100.000	111	
	65 1,1,2-Trichloroethane	97	5.630	5.629	(0.872)	1144944	100.000	99.6	9500
	66 1,3-Dichloropropane	76	5.767	5.766	(0.893)	1673990	100.000	92.7	8451
	67 Tetrachloroethene	164	5.773	5.772	(0.894)	1345921	100.000	102	8408
	68 2-Hexanone	43	5.802	5.806	(0.898)	888669	100.000	106	
	69 Dibromochloromethane	129	5.956	5.960	(0.922)	1951263	100.000	101	9581
	70 1,2-Dibromoethane(EDB)	107	6.065	6.069	(0.939)	1394411	100.000	100	9596
	151 1-chlorohexane	91	6.425	6.429	(0.995)	1664012	100.000	98.8	4217
*	71 CHLOROBENZENE-d5	82	6.459	6.457	(1.000)	1067508	50.0000		8943
	72 Chlorobenzene ++	112	6.482	6.487	(1.004)	3409915	100.000	90.8	8251
	73 1,1,1,2-Tetrachloroethane	133	6.545	6.544	(1.013)	1535176	100.000	95.6	9481
	74 Ethylbenzene +	106	6.562	6.567	(1.016)	1835100	100.000	94.0	
	75 p,m-Xylene	106	6.671	6.670	(1.033)	4279436	200.000	192	
	76 o-Xylene	106	7.049	7.053	(1.091)	2203400	100.000	103	
	77 Styrene	104	7.060	7.064	(1.093)	3805612	100.000	101	9591
	79 Bromoform ++	173	7.254	7.259	(1.123)	1593049	100.000	107	9606

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	80 Isopropylbenzene	105	7.409	7.413	(1.147)	5936146	100.000	105	9777
$	82 Bromofluorobenzene	174	7.580	7.585	(1.174)	2165772	100.000	99.4	8999
	83 1,1,2,2-Tetrachloroethane++	83	7.701	7.705	(0.867)	1376445	100.000	96.2	9516
	84 trans-1,4-Dichloro-2-Butene	53	7.763	7.762	(0.874)	389249	100.000	101	8938
	86 Bromobenzene	77	7.752	7.756	(0.873)	2832286	100.000	97.1	8884
	85 1,2,3-Trichloropropane	75	7.763	7.768	(0.874)	1791818	100.000	98.9	9090
	87 n-Propylbenzene	91	7.844	7.848	(0.883)	7251311	100.000	105	
M	78 TOTAL XYLENE	106				6482836	300.000	295	0(A)
	88 2-Chlorotoluene	91	7.958	7.956	(0.896)	4489137	100.000	98.2	
	89 1,3,5-Trimethylbenzene	105	8.032	8.036	(0.904)	5816415	100.000	102	9306
	90 4-Chlorotoluene	91	8.067	8.071	(0.908)	5394382	100.000	96.8	
	91 tert-butylbenzene	91	8.404	8.408	(0.946)	4488573	100.000	109	9549
	93 1,2,4-Trimethylbenzene	105	8.461	8.465	(0.952)	5845807	100.000	102	
	94 sec-Butylbenzene	105	8.661	8.671	(0.975)	6974557	100.000	106	
	96 1,3-Dichlorobenzene	146	8.810	8.814	(0.992)	3349041	100.000	92.2	
	95 p-Isopropyltoluene	119	8.833	8.837	(0.994)	6122124	100.000	103	7009
*	97 1,4-DICHLOROBENZENE-D4	152	8.884	8.888	(1.000)	1177825	50.0000		9290
	98 1,4-Dichlorobenzene	146	8.913	8.917	(1.003)	3497080	100.000	91.0	
	99 n-Butylbenzene	91	9.336	9.340	(1.051)	5575371	100.000	106	9741
	100 1,2-Dichlorobenzene	146	9.376	9.375	(1.055)	3296922	100.000	89.9	
	101 1,2-Dibromo-3-Chloropropane	157	10.366	10.370	(1.167)	439321	100.000	97.8	9346
	103 1,2,4-Trichlorobenzene	180	11.527	11.525	(1.297)	2640366	100.000	100	
	104 Hexachlorobutadiene	225	11.773	11.777	(1.325)	1998861	100.000	93.9	9651
	105 Naphthalene	128	11.870	11.874	(1.336)	5395574	100.000	110	9746
	106 1,2,3-Trichlorobenzene	180	12.219	12.223	(1.375)	2522503	100.000	98.6	

QC Flag Legend

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

000252

Data File: /var/chem/msv3.i/2060721p.s.b/u7874.d

Page 1

Date : 21-JUL-2006 15:15

Client ID: W3STD100

Instrument: msv3.i

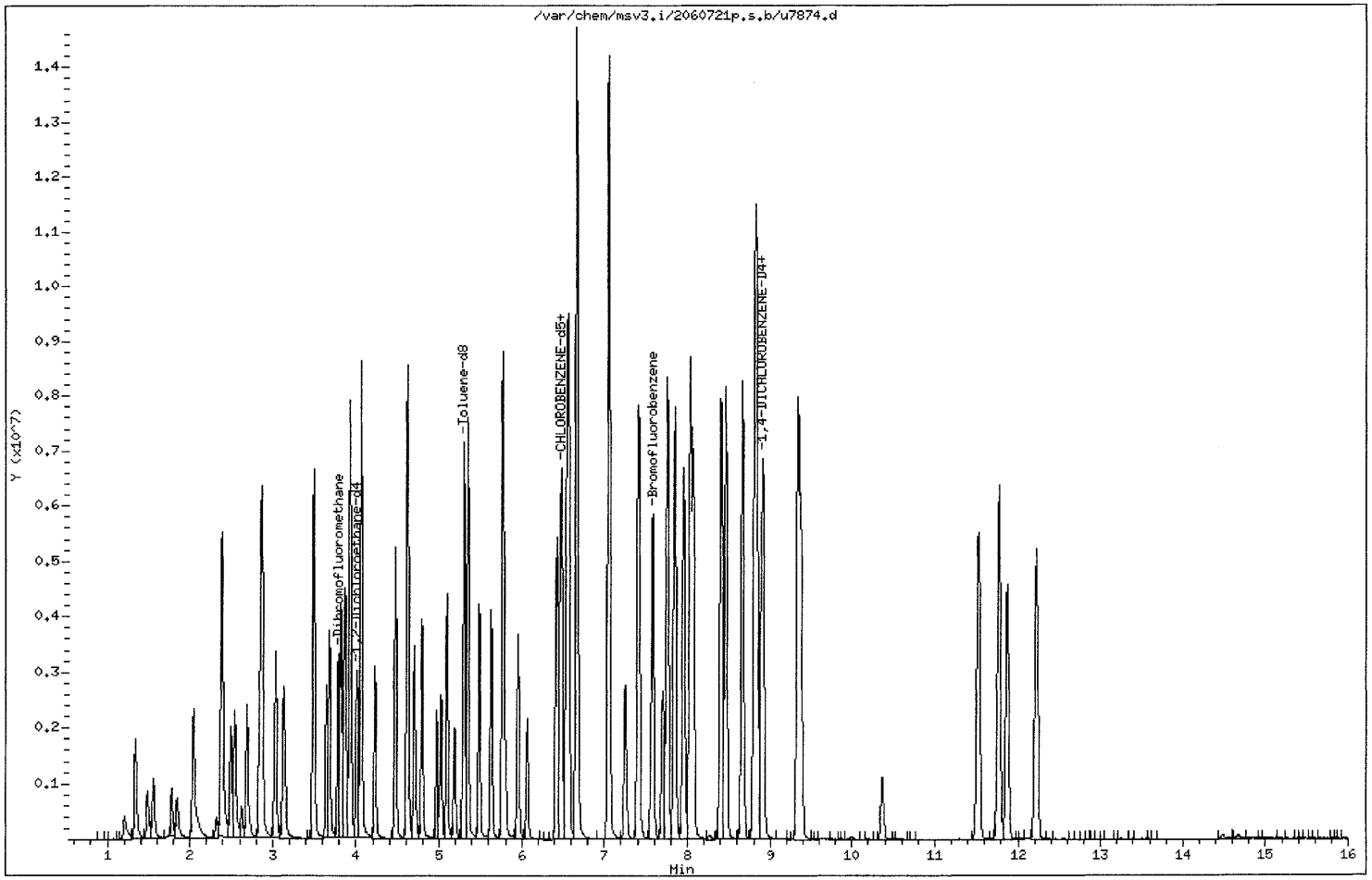
Sample Info: 1204*W3STD100*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

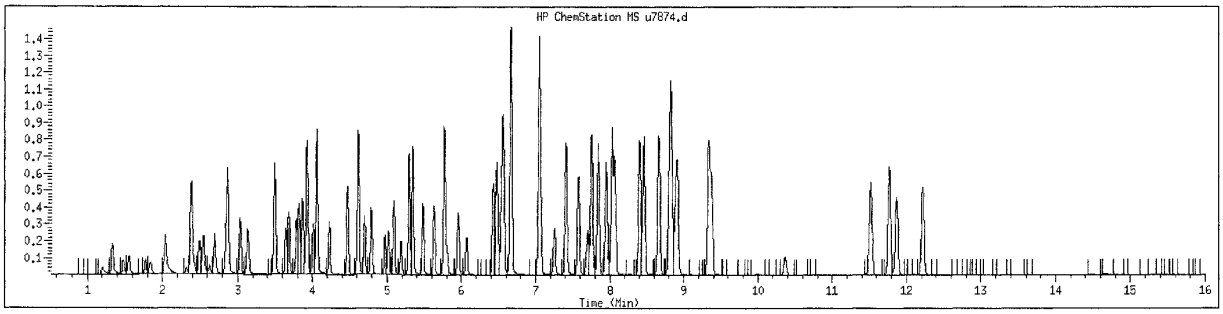


166713

Data file : /var/chem/msv3.i/2060721p.s.b/u7874.d Page: 1
Report Date: 07/21/2006 19:29

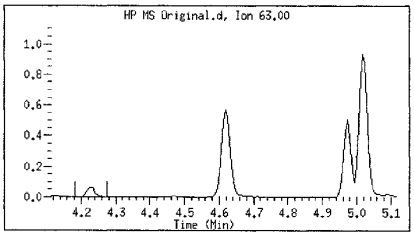
MANUAL INTEGRATION GRAPHIC REPORT

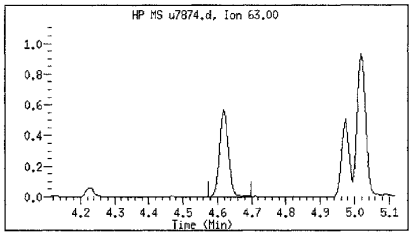
Lab ID : 1204 SampleType : CALIB_4
Injection Date: 21-JUL-2006 15:15 Instrument : msv3.i
Operator : ABD
Sample Info : 1204*V3STD100*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



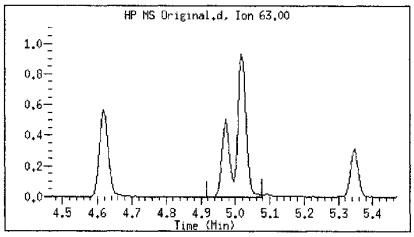
Original Final

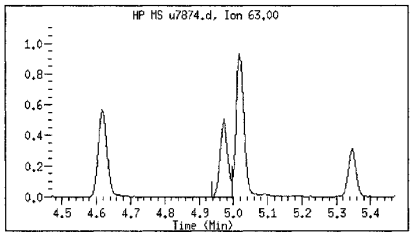
52 1,2-Dichloropropane + CAS#: 78-87-5





57 2-Chloroethyl vinyl ether CAS#: 110-75-8



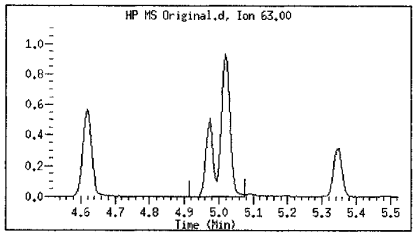


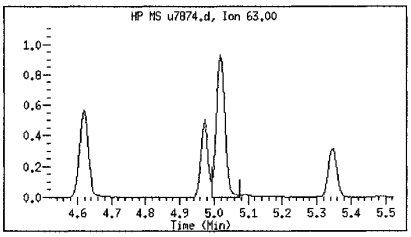
000253

166714

Original Final

58 1-Bromo-2-chloroethane CAS#: 107-04-0





000254

166715

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7875.d
Lab Smp Id: 1205 Client Smp ID: V3STD200
Inj Date : 21-JUL-2006 15:41
Operator : ABD Inst ID: msv3.i
Smp Info : 1205*V3STD200*5-51-5
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 21-Jul-2006 19:25 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				7905555	400.000	463	0(A)
1 Dichlorodifluoromethane	85	1.333	1.333	(0.150)	4167516	200.000	180	0(M)
2 Chloromethane ++	50	1.476	1.476	(0.349)	2060274	200.000	177	9043
3 Vinyl Chloride +	62	1.556	1.556	(0.368)	2066773	200.000	179	9093
5 Bromomethane	94	1.774	1.774	(0.420)	831332	200.000	194	8308(H)
6 Chloroethane	64	1.837	1.837	(0.434)	1030377	200.000	154	8894
7 Trichlorofluoromethane	101	2.031	2.031	(0.480)	5445521	200.000	186	8778
9 Acrolein	56	2.317	2.317	(0.548)	728367	1000.00	1020	9562(A)
10 1,1,2Trichlotrifluoroethane	101	2.380	2.380	(0.563)	2936888	200.000	184	8198
11 1,1-Dichloroethene +	96	2.386	2.386	(0.564)	2195547	200.000	189	8159
12 Acetone	43	2.426	2.426	(0.574)	649044	200.000	179	
13 Methyl Iodide	142	2.494	2.494	(0.590)	4934265	200.000	197	0(M)
14 Carbon Disulfide	76	2.540	2.540	(0.601)	7322110	200.000	198	9415
17 Methyl Acetate	43	2.626	2.626	(0.621)	1210412	200.000	196	9300
18 Methylene Chloride	49	2.689	2.689	(0.636)	2381692	200.000	199	8858
20 Acrylonitrile	53	2.843	2.843	(0.673)	3091473	1000.00	959	9388(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	22 trans-1,2-Dichloroethene	61	2.866	2.866	(0.678)	2756374	200.000	174	
	21 MTBE	73	2.866	2.866	(0.678)	4938773	200.000	186	8565
	24 Hexane	57	3.032	3.032	(0.717)	2531058	200.000	184	9669
	26 1,1-Dichloroethane ++	63	3.129	3.129	(0.740)	3416877	200.000	182	6685
	25 Vinyl Acetate	43	3.146	3.146	(0.744)	2795876	200.000	195	
	34 cis-1,2-Dichloroethene	61	3.490	3.490	(0.825)	3443930	200.000	171	
	35 2,2-Dichloropropane	77	3.495	3.495	(0.827)	3439315	200.000	205	9035(A)
	32 2-Butanone	43	3.495	3.495	(0.827)	1007182	200.000	196	
M	30 Total 1,2-Dichloroethene	61				6200304	400.000	345	0
	37 Bromochloromethane	128	3.644	3.644	(0.862)	1458866	200.000	181	7892
	38 Chloroform +	83	3.684	3.684	(0.871)	4812031	200.000	176	8862
$	39 Dibromofluoromethane	111	3.787	3.787	(0.896)	3126321	200.000	190	9601
	40 1,1,1-Trichloroethane	97	3.821	3.821	(0.904)	4644930	200.000	196	8946
	42 Cyclohexane	56	3.867	3.867	(0.915)	3142209	200.000	183	9407
	43 1,1-Dichloropropene	75	3.919	3.919	(0.927)	3169720	200.000	184	9040
	44 Carbon Tetrachloride	117	3.930	3.930	(0.930)	4552413	200.000	183	8529
$	45 1,2-Dichloroethane-d4	67	4.010	4.010	(0.949)	1758564	200.000	180	9558
	46 1,2-Dichloroethane	62	4.062	4.062	(0.961)	3909246	200.000	163	8445
	47 Benzene	78	4.062	4.062	(0.961)	7731617	200.000	177	8981
*	48 FLUOROBENZENE	96	4.227	4.227	(1.000)	2180057	50.0000		9161
	49 Trichloroethene	130	4.473	4.473	(1.058)	2898155	200.000	184	9447
	51 Methyl Cyclohexane	83	4.611	4.611	(1.091)	3645559	200.000	196	9146
	52 1,2-Dichloropropane +	63	4.616	4.616	(1.092)	1939477	200.000	179	4614(MH)
	55 Dibromomethane	93	4.702	4.702	(1.112)	1964353	200.000	187	8906
	56 Bromodichloromethane	83	4.794	4.794	(1.134)	4129633	200.000	187	9480
	57 2-Chloroethyl vinyl ether	63	4.971	4.971	(1.176)	1593638	200.000	216	9553(A)
	58 1-Bromo-2-chloroethane	63	5.022	5.022	(1.188)	3104066	200.000	180	9054
	59 cis-1,3-Dichloropropene	75	5.097	5.097	(1.206)	3862403	200.000	212	(A)
	60 4-methyl-2-pentanone	43	5.188	5.188	(1.227)	2481888	200.000	197	
$	61 Toluene-d8	98	5.297	5.297	(1.253)	8768100	200.000	190	9721
	62 Toluene +	91	5.348	5.348	(1.265)	9824526	200.000	184	9006
	63 trans-1,3-Dichloropropene	75	5.486	5.486	(1.298)	4043152	200.000	224	(A)
	65 1,1,2-Trichloroethane	97	5.629	5.629	(0.872)	2322859	200.000	199	9492
	66 1,3-Dichloropropane	76	5.766	5.766	(0.893)	3356259	200.000	183	8755
	67 Tetrachloroethene	164	5.772	5.772	(0.894)	2654814	200.000	198	8753
	68 2-Hexanone	43	5.806	5.806	(0.899)	1751207	200.000	205	(A)
	69 Dibromochloromethane	129	5.960	5.960	(0.923)	3969397	200.000	202	9609(A)
	70 1,2-Dibromoethane(EDB)	107	6.069	6.069	(0.940)	2887430	200.000	204	9658(A)
	151 1-chlorohexane	91	6.429	6.429	(0.996)	3431108	200.000	200	4163(A)
*	71 CHLOROBENZENE-d5	82	6.458	6.457	(1.000)	1086607	50.0000		8792
	72 Chlorobenzene ++	112	6.487	6.487	(1.004)	6954788	200.000	182	7990
	73 1,1,1,2-Tetrachloroethane	133	6.544	6.544	(1.013)	3123104	200.000	191	8986
	74 Ethylbenzene +	106	6.567	6.567	(1.017)	3677081	200.000	185	
	75 p,m-Xylene	106	6.670	6.670	(1.033)	8754764	400.000	386	(A)
	76 o-Xylene	106	7.053	7.053	(1.092)	4571057	200.000	211	(A)
	77 Styrene	104	7.064	7.064	(1.094)	7845085	200.000	204	9397(A)
	79 Bromoform ++	173	7.259	7.259	(1.124)	3244574	200.000	214	9564(A)

166717

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	80 Isopropylbenzene	105	7.413	7.413	(1.148)	11726833	200.000	204	9701(A)
$	82 Bromofluorobenzene	174	7.585	7.585	(1.174)	4346544	200.000	196	8945
	83 1,1,2,2-Tetrachloroethane++	83	7.705	7.705	(0.867)	2765389	200.000	190	9632
	84 trans-1,4-Dichloro-2-Butene	53	7.762	7.762	(0.873)	739685	200.000	189	8822
	86 Bromobenzene	77	7.756	7.756	(0.873)	5680235	200.000	191	8892
	85 1,2,3-Trichloropropane	75	7.768	7.768	(0.874)	3520198	200.000	191	9075
	87 n-Propylbenzene	91	7.848	7.848	(0.883)	13725253	200.000	195	
M	78 TOTAL XYLENE	106				13325821	600.000	596	0(A)
	88 2-Chlorotoluene	91	7.956	7.956	(0.895)	9027928	200.000	194	
	89 1,3,5-Trimethylbenzene	105	8.036	8.036	(0.904)	11355184	200.000	196	9308
	90 4-Chlorotoluene	91	8.071	8.071	(0.908)	10827168	200.000	191	
	91 tert-butylbenzene	91	8.408	8.408	(0.946)	8949891	200.000	213	9510(A)
	93 1,2,4-Trimethylbenzene	105	8.465	8.465	(0.952)	11613285	200.000	198	
	94 sec-Butylbenzene	105	8.671	8.671	(0.976)	13585146	200.000	202	(A)
	96 1,3-Dichlorobenzene	146	8.814	8.814	(0.992)	6757065	200.000	183	
	95 p-Isopropyltoluene	119	8.837	8.837	(0.994)	11850508	200.000	196	6938
*	97 1,4-DICHLOROBENZENE-D4	152	8.889	8.888	(1.000)	1200315	50.0000		9047
	98 1,4-Dichlorobenzene	146	8.917	8.917	(1.003)	7137571	200.000	182	
	99 n-Butylbenzene	91	9.340	9.340	(1.051)	10958489	200.000	205	9675(A)
	100 1,2-Dichlorobenzene	146	9.375	9.375	(1.055)	6567025	200.000	176	
	101 1,2-Dibromo-3-Chloropropane	157	10.370	10.370	(1.167)	928122	200.000	201	9327(A)
	103 1,2,4-Trichlorobenzene	180	11.525	11.525	(1.297)	5216379	200.000	195	
	104 Hexachlorobutadiene	225	11.777	11.777	(1.325)	3810367	200.000	176	9720
	105 Naphthalene	128	11.874	11.874	(1.336)	10725137	200.000	214	9838(A)
	106 1,2,3-Trichlorobenzene	180	12.223	12.223	(1.375)	5049327	200.000	194	

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.

000258

Data File: /var/chem/msv3.i/2060721p.s.b/u7875.d

Page 1

Date : 21-JUL-2006 15:41

Client ID: V3STD200

Instrument: msv3.i

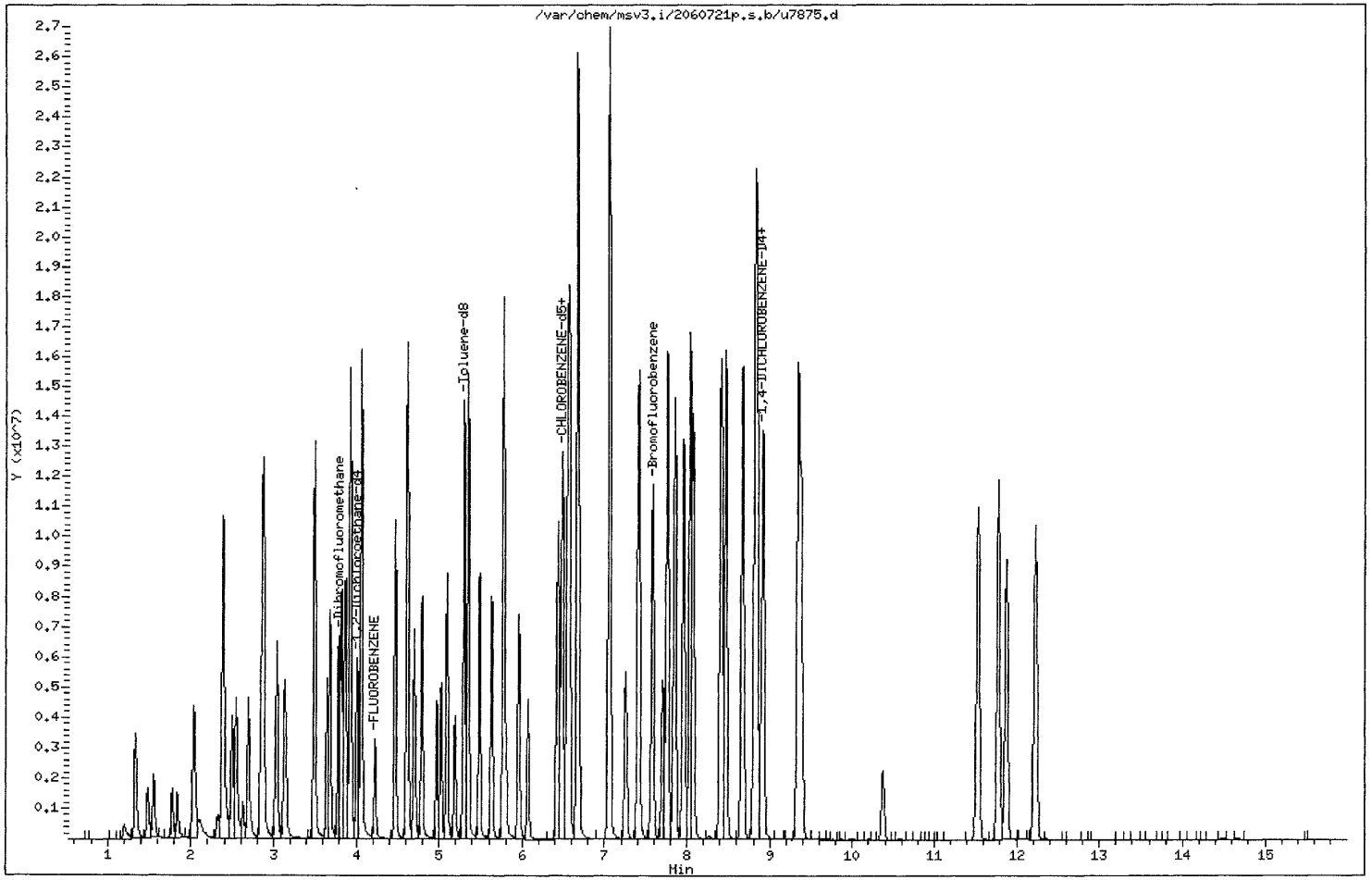
Sample Info: 1205*V3STD200*5-51-5

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

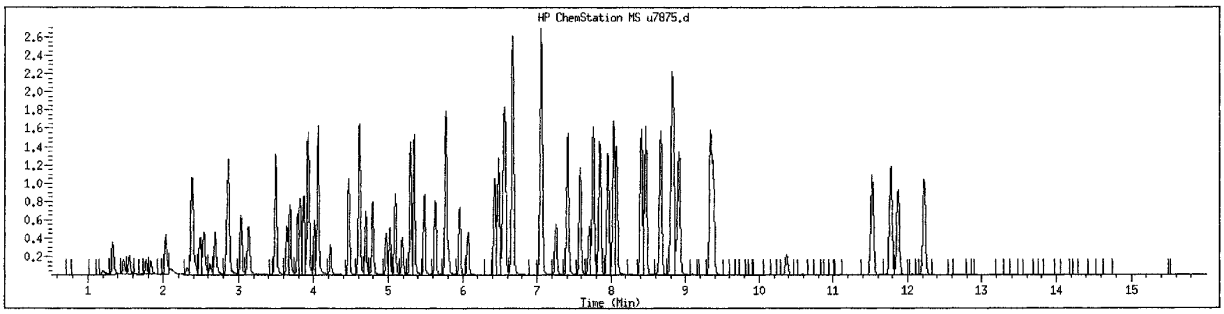


166719

Data file : /var/chem/msv3.i/2060721p.s.b/u7875.d Page: 1
Report Date: 07/21/2006 19:29

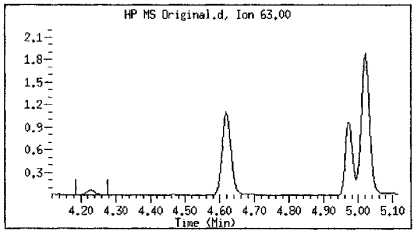
MANUAL INTEGRATION GRAPHIC REPORT

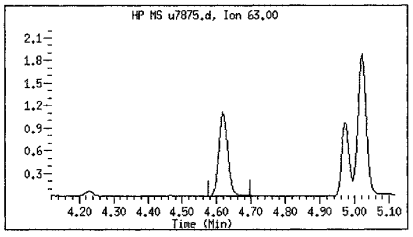
Lab ID : 1205 SampleType : CALIB_5
Injection Date: 21-JUL-2006 15:41 Instrument : msv3.i
Operator : ABD
Sample Info : 1205*V3STD200*5-51-5
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



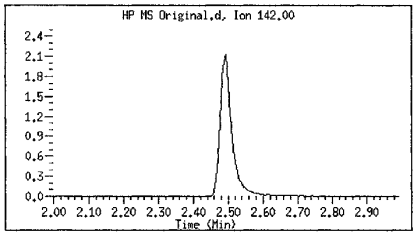
Original Final

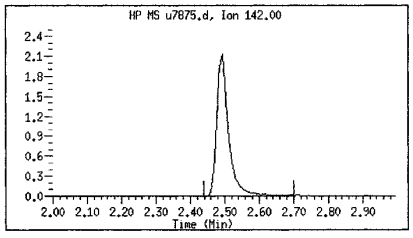
52 1,2-Dichloropropane + CAS#: 78-87-5





13 Methyl Iodide CAS#: 74-88-4



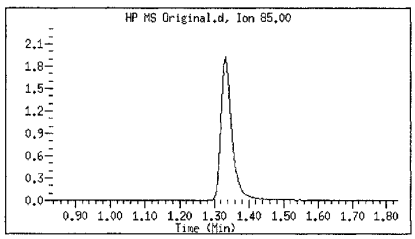


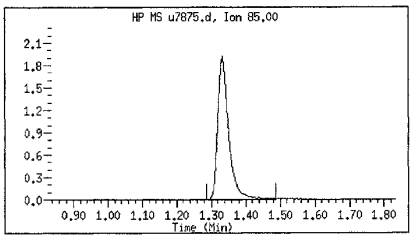
000259

166720

Original Final

1 Dichlorodifluoromethane CAS#: 75-71-8





000260

166721

Data file : /var/chem/msv3.i/2060721p.s.b/u7878.d
Report Date: 08/07/2006 10:40

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: 8260.sub
Method File: /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Misc Info: MSV~8722~*1*ABD

Client SDG: 2060721p.s
Fraction: VOA
Client Smp ID: 8260ICV
Operator: ABD
Sample Type: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluoromethane	50.0	44.7	89.37	75-125
2	Chloromethane ++	50.0	41.7	83.41	75-125
3	Vinyl Chloride +	50.0	44.2	88.43	75-125
5	Bromomethane	50.0	79.0	158.09*	75-125
6	Chloroethane	50.0	47.3	94.69	75-125
7	Trichlorofluoromethane	50.0	45.2	90.35	75-125
9	Acrolein	250	171	68.31	60-140
11	1,1-Dichloroethene +	50.0	40.2	80.36	75-125
12	Acetone	50.0	39.7	79.33	60-140
13	Methyl Iodide	50.0	38.5	77.07	75-125
14	Carbon Disulfide	50.0	46.2	92.44	75-125
17	Methyl Acetate	50.0	46.5	92.91	75-125
18	Methylene Chloride	50.0	42.0	83.92	75-125
20	Acrylonitrile	250	213	85.02	60-140
21	MTBE	50.0	44.6	89.24	75-125
22	trans-1,2-Dichloroethene	50.0	39.6	79.27	75-125
24	Hexane	50.0	47.7	95.49	75-125
25	Vinyl Acetate	50.0	39.7	79.36	75-125
26	1,1-Dichloroethane ++	50.0	41.8	83.53	75-125
32	2-Butanone	50.0	42.7	85.38	60-140
34	cis-1,2-Dichloroethene	50.0	43.6	87.26	75-125
35	2,2-Dichloropropane	50.0	48.4	96.80	75-125
37	Bromochloromethane	50.0	42.9	85.85	75-125
38	Chloroform +	50.0	41.9	83.76	75-125
40	1,1,1-Trichloroethane	50.0	47.7	95.34	75-125
43	1,1-Dichloropropene	50.0	45.4	90.70	75-125
44	Carbon Tetrachloride	50.0	45.9	91.75	75-125
46	1,2-Dichloroethane	50.0	43.3	86.54	75-125
47	Benzene	50.0	43.0	85.95	75-125
49	Trichloroethene	50.0	44.2	88.48	75-125

166722

Data file : /var/chem/msv3.i/2060721p.s.b/u7878.d
Report Date: 08/07/2006 10:40

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	52	1,2-Dichloropropane +	50.0	45.0	89.96	75-125
	55	Dibromomethane	50.0	44.5	88.93	75-125
	56	Bromodichloromethane	50.0	45.1	90.29	75-125
	57	2-Chloroethyl vinyl ether	50.0	50.8	101.67	75-125
	59	cis-1,3-Dichloropropene	50.0	51.2	102.35	75-125
	60	4-methyl-2-pentanone	50.0	38.0	75.99	60-140
	62	Toluene +	50.0	46.0	91.93	75-125
	63	trans-1,3-Dichloropropene	50.0	51.4	102.90	75-125
	65	1,1,2-Trichloroethane	50.0	44.6	89.24	75-125
	66	1,3-Dichloropropane	50.0	43.6	87.25	75-125
	67	Tetrachloroethene	50.0	49.0	97.98	75-125
	68	2-Hexanone	50.0	43.5	86.90	60-140
	69	Dibromochloromethane	50.0	45.7	91.36	75-125
	70	1,2-Dibromoethane(EDB)	50.0	43.4	86.90	75-125
	72	Chlorobenzene ++	50.0	42.8	85.59	75-125
	73	1,1,1,2-Tetrachloroethane	50.0	45.0	90.10	75-125
	74	Ethylbenzene +	50.0	44.1	88.15	75-125
	75	p,m-Xylene	100	91.8	91.83	75-125
	76	o-Xylene	50.0	48.5	97.10	75-125
	77	Styrene	50.0	47.5	95.06	75-125
M	78	TOTAL XYLENE	150	140	93.53	75-125
	79	Bromoform ++	50.0	46.4	92.83	75-125
	80	Isopropylbenzene	50.0	49.9	99.73	75-125
	83	1,1,2,2-Tetrachloroethane++	50.0	42.1	84.24	75-125
	84	trans-1,4-Dichloro-2-Butene	50.0	43.3	86.59	60-140
	85	1,2,3-Trichloropropane	50.0	42.5	84.93	75-125
	86	Bromobenzene	50.0	44.5	89.02	75-125
	87	n-Propylbenzene	50.0	49.6	99.23	75-125
	88	2-Chlorotoluene	50.0	46.0	91.96	75-125
	89	1,3,5-Trimethylbenzene	50.0	48.6	97.22	75-125
	90	4-Chlorotoluene	50.0	46.4	92.85	75-125
	91	tert-butylbenzene	50.0	51.9	103.80	75-125
	93	1,2,4-Trimethylbenzene	50.0	48.4	96.85	75-125
	94	sec-Butylbenzene	50.0	50.5	101.00	75-125
	95	p-Isopropyltoluene	50.0	50.0	100.01	75-125
	96	1,3-Dichlorobenzene	50.0	45.0	89.90	75-125
	98	1,4-Dichlorobenzene	50.0	44.0	88.03	75-125
	99	n-Butylbenzene	50.0	51.7	103.46	75-125
	100	1,2-Dichlorobenzene	50.0	43.5	86.91	75-125
	101	1,2-Dibromo-3-Chloropropane	50.0	42.6	85.11	60-140
	103	1,2,4-Trichlorobenzene	50.0	49.0	97.93	75-125
	104	Hexachlorobutadiene	50.0	47.0	94.05	75-125
	105	Naphthalene	50.0	49.3	98.56	75-125
	106	1,2,3-Trichlorobenzene	50.0	47.8	95.62	75-125
	151	1-chlorohexane	50.0	46.3	92.54	75-125

Data file : /var/chem/msv3.i/2060721p.s.b/u7878.d
Report Date: 08/07/2006 10:40

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	51.1	102.21	0-127
$ 45 1,2-Dichloroethane-d4	50.0	46.8	93.63	0-127
$ 61 Toluene-d8	50.0	51.8	103.62	0-134
$ 82 Bromofluorobenzene	50.0	51.0	101.90	0-130

166724

GCAL, Inc.

Data file : /var/chem/msv3.i/2060721p.s.b/u7878.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 21-JUL-2006 17:09
Operator : ABD Inst ID: msv3.i
Smp Info : 1600*8260ICV
Misc Info : MSV~8722~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Meth Date : 27-Jul-2006 17:52 kcb Quant Type: ISTD
Cal Date : 21-JUL-2006 07:42 Cal File: u7857.d
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				1924616	102.622	103	0
1 Dichlorodifluoromethane	85	1.336	1.333	(0.150)	1124632	44.6832	44.7	9167
2 Chloromethane ++	50	1.479	1.476	(0.350)	500804	41.7061	41.7	8948
3 Vinyl Chloride +	62	1.560	1.556	(0.369)	528645	44.2150	44.2	9111
5 Bromomethane	94	1.794	1.774	(0.424)	357444	79.0465	79.0	8198(RH)
6 Chloroethane	64	1.857	1.837	(0.439)	327308	47.3430	47.3	8885
7 Trichlorofluoromethane	101	2.046	2.031	(0.484)	1364585	45.1740	45.2	8804
9 Acrolein	56	2.326	2.317	(0.550)	103635	170.787	171	9444
10 1,1,2Trichlotrifluoroethane	101	2.389	2.380	(0.565)	714028	43.3443	43.3	8502
11 1,1-Dichloroethene +	96	2.389	2.386	(0.565)	482107	40.1786	40.2	8012
12 Acetone	43	2.423	2.426	(0.573)	148584	39.6648	39.7	
13 Methyl Iodide	142	2.498	2.494	(0.590)	998261	38.5363	38.5	9506
14 Carbon Disulfide	76	2.549	2.540	(0.603)	1762426	46.2176	46.2	9432
17 Methyl Acetate	43	2.629	2.626	(0.621)	297038	46.4551	46.5	9357
18 Methylene Chloride	49	2.698	2.689	(0.638)	560306	41.9601	42.0	8546

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ug/L)	SIMILARITY
	20	Acrylonitrile	53	2.841	2.843	(0.671)	708215	212.538	213	9743(A)
	22	trans-1,2-Dichloroethene	61	2.869	2.866	(0.678)	648497	39.6326	39.6	
	21	MTBE	73	2.869	2.866	(0.678)	1221599	44.6205	44.6	8661
	24	Hexane	57	3.041	3.032	(0.719)	679081	47.7470	47.7	9632
	26	1,1-Dichloroethane ++	63	3.132	3.129	(0.740)	812419	41.7629	41.8	6714
	25	Vinyl Acetate	43	3.150	3.146	(0.744)	587782	39.6792	39.7	
	34	cis-1,2-Dichloroethene	61	3.493	3.490	(0.826)	878506	43.6312	43.6	
	35	2,2-Dichloropropane	77	3.498	3.495	(0.827)	838600	48.3981	48.4	9142
	32	2-Butanone	43	3.493	3.495	(0.826)	242273	42.6883	42.7	
M	30	Total 1,2-Dichloroethene	61				1527003	83.2638	83.3	0
	37	Bromochloromethane	128	3.647	3.644	(0.862)	357788	42.9237	42.9	8237
	38	Chloroform +	83	3.687	3.684	(0.872)	1184388	41.8794	41.9	8836
$	39	Dibromofluoromethane	111	3.790	3.787	(0.896)	867502	51.1068	51.1	9586
	40	1,1,1-Trichloroethane	97	3.824	3.821	(0.904)	1166739	47.6693	47.7	8618
	42	Cyclohexane	56	3.870	3.867	(0.915)	833925	46.8684	46.9	9441
	43	1,1-Dichloropropene	75	3.922	3.919	(0.927)	806621	45.3520	45.4	9124
	44	Carbon Tetrachloride	117	3.933	3.930	(0.930)	1177326	45.8737	45.9	8319
$	45	1,2-Dichloroethane-d4	67	4.013	4.010	(0.949)	473263	46.8133	46.8	9459
	46	1,2-Dichloroethane	62	4.059	4.062	(0.959)	1069516	43.2693	43.3	8488
	47	Benzene	78	4.059	4.062	(0.959)	1936348	42.9738	43.0	9055
*	48	FLUOROBENZENE	96	4.230	4.237	(1.000)	2253332	50.0000		9145
	49	Trichloroethene	130	4.471	4.473	(1.057)	721362	44.2394	44.2	9536
	51	Methyl Cyclohexane	83	4.614	4.611	(1.091)	971118	50.5688	50.6	9213
	52	1,2-Dichloropropane +	63	4.619	4.616	(1.092)	504670	44.9787	45.0	9373
	55	Dibromomethane	93	4.699	4.702	(1.111)	481879	44.4632	44.5	8967
	56	Bromodichloromethane	83	4.791	4.794	(1.132)	1029242	45.1452	45.1	9373
	57	2-Chloroethyl vinyl ether	63	4.974	4.971	(1.176)	387109	50.8333	50.8	4987(M)
	58	1-Bromo-2-chloroethane	63	5.020	5.022	(1.187)	749444	42.1596	42.2	9305(M)
	59	cis-1,3-Dichloropropene	75	5.094	5.097	(1.204)	964116	51.1733	51.2	
	60	4-methyl-2-pentanone	43	5.186	5.188	(1.226)	493825	37.9964	38.0	
$	61	Toluene-d8	98	5.300	5.297	(1.253)	2477667	51.8089	51.8	9819
	62	Toluene +	91	5.346	5.348	(1.264)	2530604	45.9666	46.0	9051
	63	trans-1,3-Dichloropropene	75	5.483	5.486	(1.296)	960500	51.4495	51.4	
	65	1,1,2-Trichloroethane	97	5.632	5.629	(0.872)	561350	44.6209	44.6	9551
	66	1,3-Dichloropropane	76	5.769	5.766	(0.894)	862626	43.6257	43.6	8560
	67	Tetrachloroethene	164	5.775	5.772	(0.895)	719316	48.9903	49.0	8563
	68	2-Hexanone	43	5.809	5.806	(0.900)	398368	43.4503	43.5	
	69	Dibromochloromethane	129	5.958	5.960	(0.923)	965863	45.6797	45.7	9578
	70	1,2-Dibromoethane(EDB)	107	6.072	6.069	(0.941)	662558	43.4490	43.4	9558
	151	1-chlorohexane	91	6.432	6.429	(0.996)	853355	46.2703	46.3	4130
*	71	CHLOROBENZENE-d5	82	6.455	6.456	(1.000)	1168448	50.0000		9283
	72	Chlorobenzene ++	112	6.484	6.487	(1.004)	1758256	42.7971	42.8	8821
	73	1,1,1,2-Tetrachloroethane	133	6.547	6.544	(1.014)	792135	45.0499	45.0	9453
	74	Ethylbenzene +	106	6.570	6.567	(1.018)	942271	44.0765	44.1	
	75	p,m-Xylene	106	6.673	6.670	(1.034)	2240649	91.8292	91.8	
	76	o-Xylene	106	7.050	7.053	(1.092)	1132817	48.5483	48.5	
	77	Styrene	104	7.062	7.064	(1.094)	1965439	47.5284	47.5	9624

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
	79 Bromoform ++	173	7.256	7.259	(1.124)	757231	46.4173	46.4	9608
	80 Isopropylbenzene	105	7.410	7.413	(1.148)	3080638	49.8664	49.9	9746
$	82 Bromofluorobenzene	174	7.582	7.585	(1.175)	1215434	50.9500	51.0	9018
	83 1,1,2,2-Tetrachloroethane++	83	7.702	7.705	(0.867)	666262	42.1200	42.1	9552
	84 trans-1,4-Dichloro-2-Butene	53	7.765	7.762	(0.874)	184072	43.2940	43.3	8822
	86 Bromobenzene	77	7.754	7.756	(0.873)	1435365	44.5111	44.5	8732
	85 1,2,3-Trichloropropane	75	7.759	7.768	(0.873)	850497	42.4667	42.5	8712
	87 n-Propylbenzene	91	7.845	7.848	(0.883)	3785811	49.6163	49.6	
M	78 TOTAL XYLENE	106				3373466	140.300	140	0
	88 2-Chlorotoluene	91	7.954	7.956	(0.895)	2323699	45.9821	46.0	
	89 1,3,5-Trimethylbenzene	105	8.034	8.036	(0.904)	3054330	48.6110	48.6	9279
	90 4-Chlorotoluene	91	8.074	8.071	(0.909)	2859765	46.4248	46.4	
	91 tert-butylbenzene	91	8.411	8.408	(0.947)	2366117	51.9023	51.9	9453
	93 1,2,4-Trimethylbenzene	105	8.468	8.465	(0.953)	3075323	48.4253	48.4	
	94 sec-Butylbenzene	105	8.663	8.671	(0.975)	3685658	50.5022	50.5	
	96 1,3-Dichlorobenzene	146	8.812	8.814	(0.992)	1804795	44.9501	45.0	
	95 p-Isopropyltoluene	119	8.835	8.837	(0.994)	3281787	50.0059	50.0	7222
*	97 1,4-DICHLOROBENZENE-D4	152	8.886	8.887	(1.000)	1301784	50.0000		9466
	98 1,4-Dichlorobenzene	146	8.915	8.917	(1.003)	1870305	44.0144	44.0	
	99 n-Butylbenzene	91	9.338	9.340	(1.051)	2998355	51.7317	51.7	9675
	100 1,2-Dichlorobenzene	146	9.378	9.375	(1.055)	1761185	43.4532	43.5	
	101 1,2-Dibromo-3-Chloropropane	157	10.373	10.370	(1.167)	207820	42.5532	42.6	9222
	103 1,2,4-Trichlorobenzene	180	11.528	11.525	(1.297)	1422228	48.9630	49.0	
	104 Hexachlorobutadiene	225	11.780	11.777	(1.326)	1106534	47.0232	47.0	9510
	105 Naphthalene	128	11.871	11.874	(1.336)	2683081	49.2822	49.3	9782
	106 1,2,3-Trichlorobenzene	180	12.226	12.223	(1.376)	1351812	47.8086	47.8	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv3.i/2060721p.s.b/u7878.d

Date : 21-JUL-2006 17:09

Client ID: 8260ICV

Sample Info: 1600*8260ICV

Purge Volume: 5.0

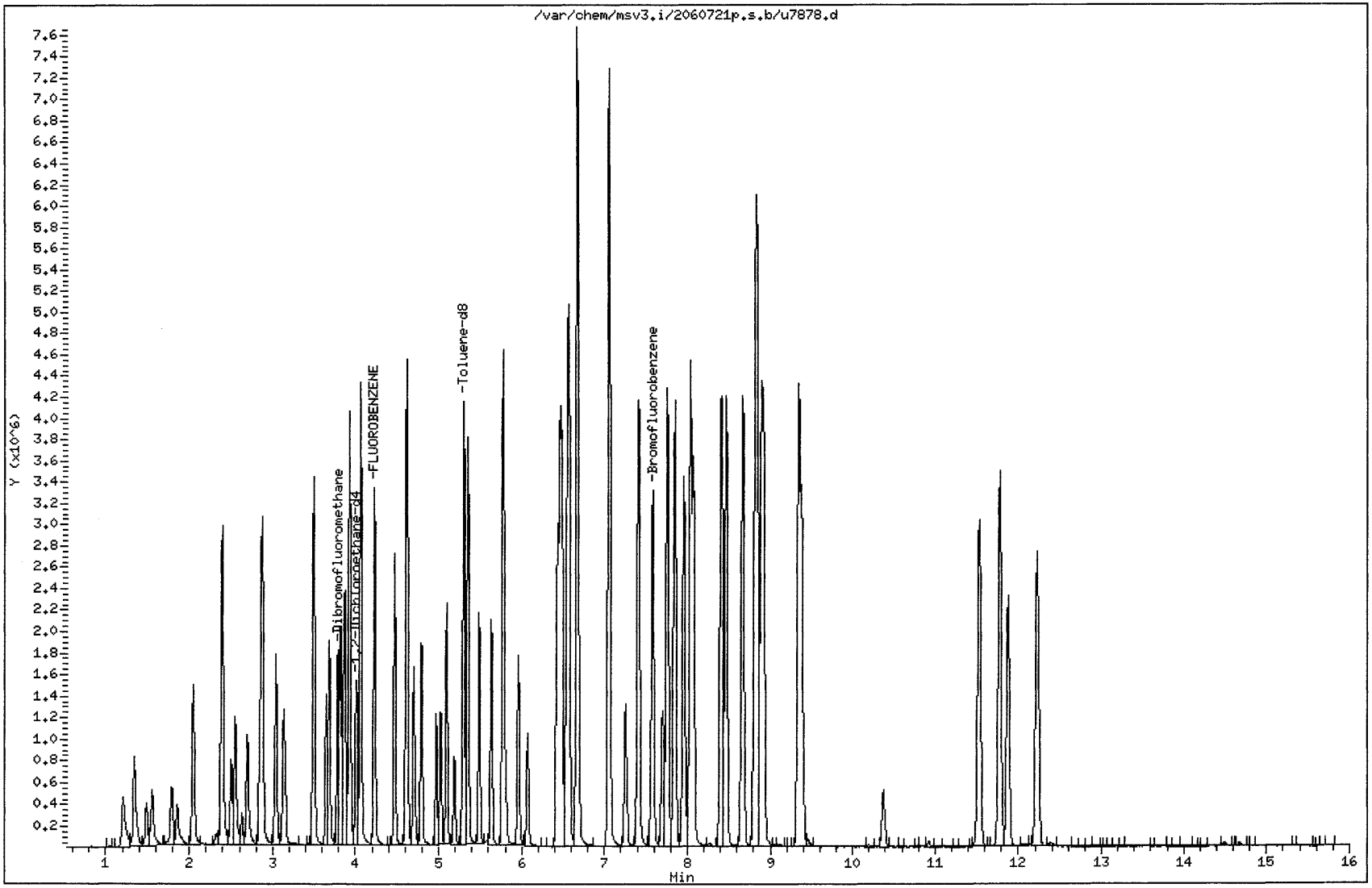
Column phase: DB-624

Instrument: msv3.i

Operator: ABD

Column diameter: 0.53

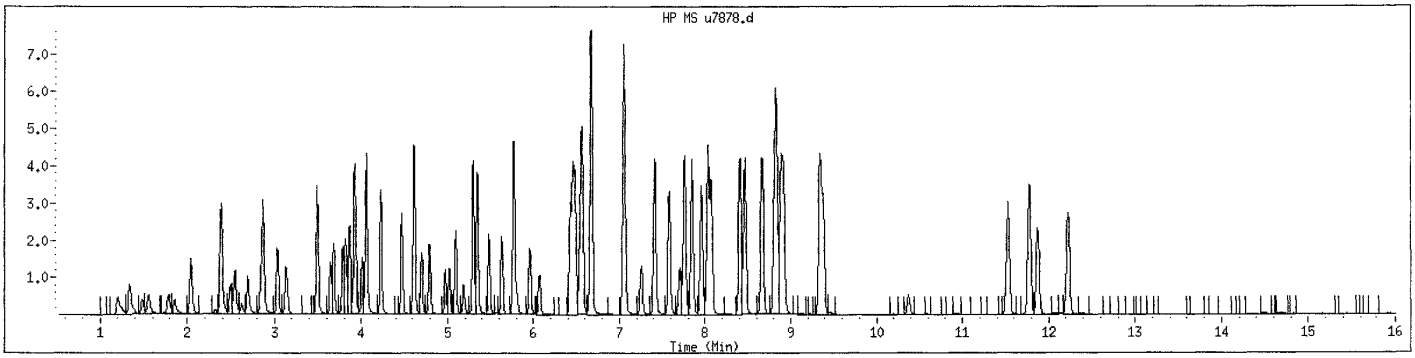
002267



Data file : /var/chem/msv3.i/2060721p.s.b/u7878.d Page: 1
Report Date: 08/07/2006 10:41

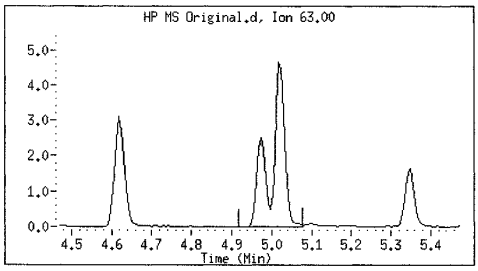
MANUAL INTEGRATION GRAPHIC REPORT

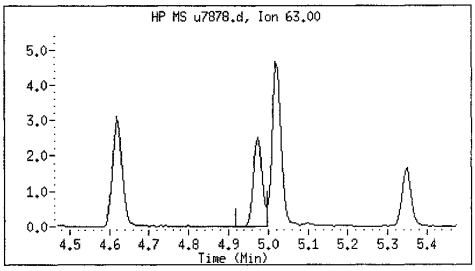
Lab ID : 1600 SampleType : LCS
Injection Date: 21-JUL-2006 17:09 Instrument : msv3.i
Operator : ABD
Sample Info : 1600*8260ICV
Misc Info : MSV~8722~*1*ABD
Method : /var/chem/msv3.i/2060721p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



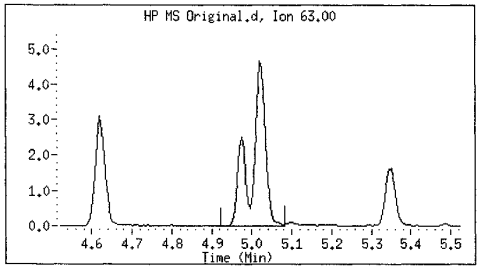
Original Final

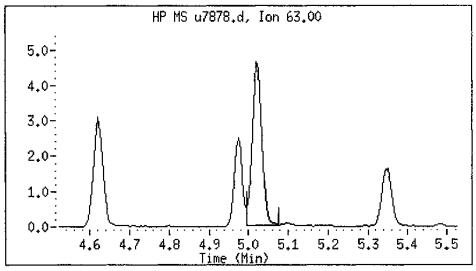
57 2-Chloroethyl vinyl ether CAS#: 110-75-8





58 1-Bromo-2-chloroethane CAS#: 107-04-0





000268

166729

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv3.i Injection Date: 06-AUG-2006 12:12
Lab File ID: u8537.d Init. Cal. Date(s): 21-JUL-2006 21-JUL-2006
Analysis Type: WATER Init. Cal. Times: 08:08 15:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv3.i/2060806p.s.b/8260Bw3.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
138 Total 1-3 Dichloropropene	0.41615	0.42017	0.42017	0.000	0.96684	30.00000	Averaged
Dichlorodifluoromethane	0.96671	0.93170	0.93170	0.000	-3.62225	30.00000	Averaged
Chloromethane ++	0.26645	0.23203	0.23203	0.100	-12.91876	30.00000	Averaged
Vinyl Chloride +	0.26530	0.25869	0.25869	0.000	-2.49134	20.00000	Averaged
Bromomethane	136	50.00000	0.26923	0.000	173	0.000e+00	Linear <-
Chloroethane	0.15341	0.15576	0.15576	0.000	1.53100	30.00000	Averaged
Trichlorofluoromethane	0.67028	0.66909	0.66909	0.000	-0.17779	30.00000	Averaged
Acrolein	187	250	0.01029	0.000	-25.28066	0.000e+00	Linear <-
1,1,2Trichlotrifluoroethane	0.36553	0.35329	0.35329	0.000	-3.34972	30.00000	Averaged
1,1 Dichloroethene +	0.26625	0.25529	0.25529	0.000	-4.11664	20.00000	Averaged
Acetone	0.08312	0.07317	0.07317	0.000	-11.96614	30.00000	Averaged
Methyl Iodide	0.57480	0.56983	0.56983	0.000	-0.86475	30.00000	Averaged
Carbon Disulfide	0.84615	0.86759	0.86759	0.000	2.53421	30.00000	Averaged
Methyl Acetate	0.14188	0.10943	0.10943	0.000	-22.87201	30.00000	Averaged
Methylene Chloride	50.89741	50.00000	0.29661	0.000	1.79482	0.000e+00	Linear <-
Acrylonitrile	0.07394	0.06068	0.06068	0.000	-17.93141	30.00000	Averaged
trans-1,2-Dichloroethene	0.36308	0.33231	0.33231	0.000	-8.47397	30.00000	Averaged
MTBE	0.60749	0.52476	0.52476	0.000	-13.61744	30.00000	Averaged
Hexane	0.31559	0.30932	0.30932	0.000	-1.98691	30.00000	Averaged
1,1 Dichloroethane ++	0.43165	0.40420	0.40420	0.100	-6.35881	30.00000	Averaged
Vinyl Acetate	0.32870	0.28109	0.28109	0.000	-14.48285	30.00000	Averaged
cis 1,2-Dichloroethene	0.46097	0.40643	0.40643	0.000	-11.83013	30.00000	Averaged
2,2 Dichloropropane	0.38448	0.40621	0.40621	0.000	5.65164	30.00000	Averaged
2 Butanone	34.88763	50.00000	0.08949	0.000	-30.22474	0.000e+00	Linear <-
130 Total 1,2-Dichloroethene	0.39185	0.36937	0.36937	0.000	-5.73663	30.00000	Averaged
Bromochloromethane	0.18496	0.16285	0.16285	0.000	-11.95227	30.00000	Averaged
Chloroform +	0.62754	0.53346	0.53346	0.000	-14.99098	20.00000	Averaged
139 Dibromofluoromethane	0.37665	0.38863	0.38863	0.000	3.18147	30.00000	Averaged
1,1,1 Trichloroethane	0.54310	0.51852	0.51852	0.000	-4.52528	30.00000	Averaged
Cyclohexane	0.39481	0.34209	0.34209	0.000	-13.35309	30.00000	Averaged
1,1 Dichloropropene	0.39466	0.36607	0.36607	0.000	-7.24219	30.00000	Averaged
Carbon Tetrachloride	0.56948	0.56741	0.56741	0.000	-0.36393	30.00000	Averaged
45 1,2-Dichloroethane-d4	0.22433	0.20399	0.20399	0.000	-9.06547	30.00000	Averaged
1,2 Dichloroethane	0.54847	0.45799	0.45799	0.000	-16.49609	30.00000	Averaged
Benzene	0.99983	0.85159	0.85159	0.000	-14.82585	30.00000	Averaged

000269

166730

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv3.i Injection Date: 06-AUG-2006 12:12
Lab File ID: u8537.d Init. Cal. Date(s): 21-JUL-2006 21-JUL-2006
Analysis Type: WATER Init. Cal. Times: 08:08 15:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv3.i/2060806p.s.b/8260Bw3.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
59 Trichloroethene	0.36182	0.32367	0.32367	0.000	-10.54400	30.00000	Averaged
60 Methyl Cyclohexane	0.42612	0.40640	0.40640	0.000	-4.62824	30.00000	Averaged
62 1,2 Dichloropropane +	0.24897	0.21819	0.21819	0.000	-12.36430	20.00000	Averaged
63 Dibromomethane	0.24048	0.20279	0.20279	0.000	-15.67405	30.00000	Averaged
65 Bromodichloromethane	0.50588	0.45140	0.45140	0.000	-10.76976	30.00000	Averaged
67 2 Chloroethyl vinyl ether	0.16898	0.15268	0.15268	0.000	-9.64263	30.00000	Averaged
68 1 Bromo 2-chloroethane	0.39445	0.31992	0.31992	0.000	-18.89381	30.00000	Averaged
69 cis 1,3 Dichloropropene	0.41805	0.42196	0.42196	0.000	0.93474	30.00000	Averaged
66 4 methyl 2-pentanone	0.28839	0.20087	0.20087	0.000	-30.34665	30.00000	Averaged <-
61 Toluene-d8	1.06117	1.08432	1.08432	0.000	2.18204	30.00000	Averaged
62 Toluene +	1.22159	1.09401	1.09401	0.000	-10.44388	20.00000	Averaged
63 trans 1,3 Dichloropropene	0.41425	0.41839	0.41839	0.000	0.99922	30.00000	Averaged
1,1,2 Trichloroethane	0.53834	0.49146	0.49146	0.000	-8.70716	30.00000	Averaged
1,3 Dichloropropane	0.84614	0.72983	0.72983	0.000	-13.74515	30.00000	Averaged
67 Tetrachloroethene	50.39981	50.00000	0.63286	0.000	0.79961	0.000e+00	Linear <-
68 2 Hexanone	0.39233	0.29096	0.29096	0.000	-25.83884	30.00000	Averaged
69 Dibromochloromethane	0.90480	0.86576	0.86576	0.000	-4.31523	30.00000	Averaged
70 1,2 Dibromoethane(EDB)	0.65254	0.56383	0.56383	0.000	-13.59356	30.00000	Averaged
1 chlorohexane	0.78920	0.75409	0.75409	0.000	-4.44883	30.00000	Averaged
72 Chlorobenzene ++	1.75804	1.61387	1.61387	0.300	-8.20076	30.00000	Averaged
73 1,1,1,2 Tetrachloroethane	0.75243	0.72581	0.72581	0.000	-3.53796	30.00000	Averaged
74 Ethylbenzene +	0.91481	0.85365	0.85365	0.000	-6.68553	20.00000	Averaged
75 p,m Xylene	1.04413	1.00236	1.00236	0.000	-4.00025	30.00000	Averaged
76 o Xylene	0.99850	1.04778	1.04778	0.000	4.93578	30.00000	Averaged
77 Styrene	1.76957	1.75225	1.75225	0.000	-0.97833	30.00000	Averaged
79 Bromoform ++	0.69809	0.67389	0.67389	0.100	-3.46641	30.00000	Averaged
80 Isopropylbenzene	2.64359	2.75097	2.75097	0.000	4.06186	30.00000	Averaged
82 Bromofluorobenzene	1.02082	1.04405	1.04405	0.000	2.27557	30.00000	Averaged
83 1,1,2,2 Tetrachloroethane++	0.60756	0.47739	0.47739	0.300	-21.42510	30.00000	Averaged
84 trans 1,4 Dichloro-2-Butene	0.16330	0.13198	0.13198	0.000	-19.18050	30.00000	Averaged
85 Bromobenzene	1.23858	1.05806	1.05806	0.000	-14.57497	30.00000	Averaged
86 1,2,3 Trichloropropane	0.76923	0.63216	0.63216	0.000	-17.81941	30.00000	Averaged
87 n Propylbenzene	2.93066	2.85110	2.85110	0.000	-2.71489	30.00000	Averaged
78 TOTAL XYLENE	1.02892	1.01750	1.01750	0.000	-1.10964	30.00000	Averaged
88 2 Chlorotoluene	1.94099	1.77584	1.77584	0.000	-8.50825	30.00000	Averaged
90 1,3,5 Trimethylbenzene	2.41331	2.36702	2.36702	0.000	-1.91805	30.00000	Averaged

000270

166731

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv3.i Injection Date: 06-AUG-2006 12:12
Lab File ID: u8537.d Init. Cal. Date(s): 21-JUL-2006 21-JUL-2006
Analysis Type: WATER Init. Cal. Times: 08:08 15:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv3.i/2060806p.s.b/8260Bw3.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
42 4 Chlorotoluene	2.36598	2.17299	2.17299	0.000	-8.15683	30.00000	Averaged	
51 tert butylbenzene	1.75098	1.74866	1.74866	0.000	-0.13251	30.00000	Averaged	
54 1,2,4 Trimethylbenzene	2.43921	2.36427	2.36427	0.000	-3.07215	30.00000	Averaged	
64 sec Butylbenzene	2.80308	2.75614	2.75614	0.000	-1.67469	30.00000	Averaged	
66 1,3 Dichlorobenzene	1.54216	1.37311	1.37311	0.000	-10.96207	30.00000	Averaged	
69 p Isopropyltoluene	2.52070	2.52835	2.52835	0.000	0.30374	30.00000	Averaged	
70 1,4 Dichlorobenzene	1.63211	1.42233	1.42233	0.000	-12.85348	30.00000	Averaged	
73 n Butylbenzene	2.22616	2.20338	2.20338	0.000	-1.02346	30.00000	Averaged	
74 1,2 Dichlorobenzene	1.55673	1.33511	1.33511	0.000	-14.23629	30.00000	Averaged	
77 1,2 Dibromo 3 Chloropropane	37.37970	50.00000	0.13967	0.000	-25.24059	0.000e+00	Linear	<-
83 1,2,4 Trichlorobenzene	1.11566	1.05043	1.05043	0.000	-5.84708	30.00000	Averaged	
84 Hexachlorobutadiene	0.90382	0.81920	0.81920	0.000	-9.36322	30.00000	Averaged	
85 Naphthalene	2.09110	1.77689	1.77689	0.000	-15.02602	30.00000	Averaged	
86 1,2,3 Trichlorobenzene	1.08603	0.96985	0.96985	0.000	-10.69743	30.00000	Averaged	

000271

166732

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8535.d
Lab Smp Id: 1000 Client Smp ID: BFB01
Inj Date : 06-AUG-2006 11:02
Operator : ABD Inst ID: msv3.i
Smp Info : 1000*BFB01
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/bfb3.m
Meth Date : 27-Jun-2006 14:01 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)	FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
7.574	7.500	(0.000)	95	87090		100.00	100.00	93.43
7.574	7.500	(0.000)	50	17613		15.00	40.00	20.22
7.574	7.500	(0.000)	75	50586		30.00	60.00	58.08
7.574	7.500	(0.000)	96	6369		5.00	9.00	7.31
7.574	7.500	(0.000)	173	508		0.00	2.00	0.54
7.574	7.500	(0.000)	174	93216		50.00	120.00	107.03
7.574	7.500	(0.000)	175	6657		5.00	9.00	7.14
7.574	7.500	(0.000)	176	91765		95.00	101.00	98.44
7.574	7.500	(0.000)	177	6694		5.00	9.00	7.29

166733

Data File: /var/chem/msv3.i/2060806p.s.b/u8535.d

Date : 06-AUG-2006 11:02

Client ID: BFB01

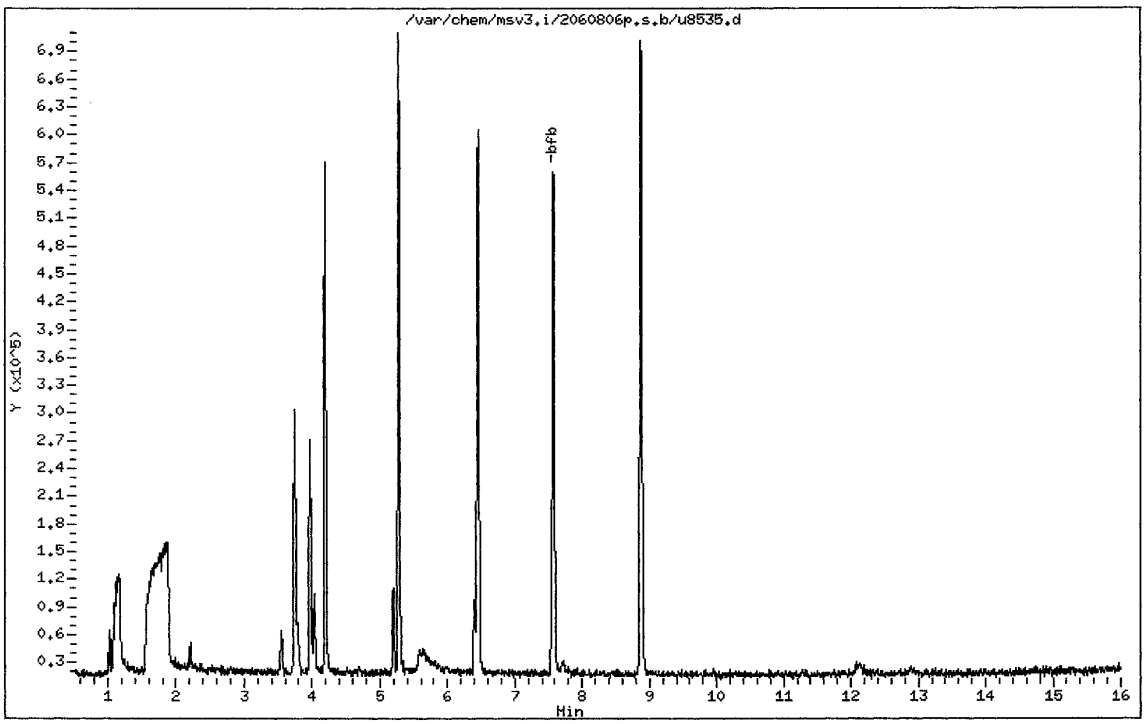
Instrument: msv3.i

Sample Info: 1000*BFB01

Operator: ABD

Column phase: DB-624-30M

Column diameter: 0.53



166734

Data File: /var/chem/msv3.i/2060806p.s.b/u8535.d

Date : 06-AUG-2006 11:02

Client ID: BFB01

Instrument: msv3.i

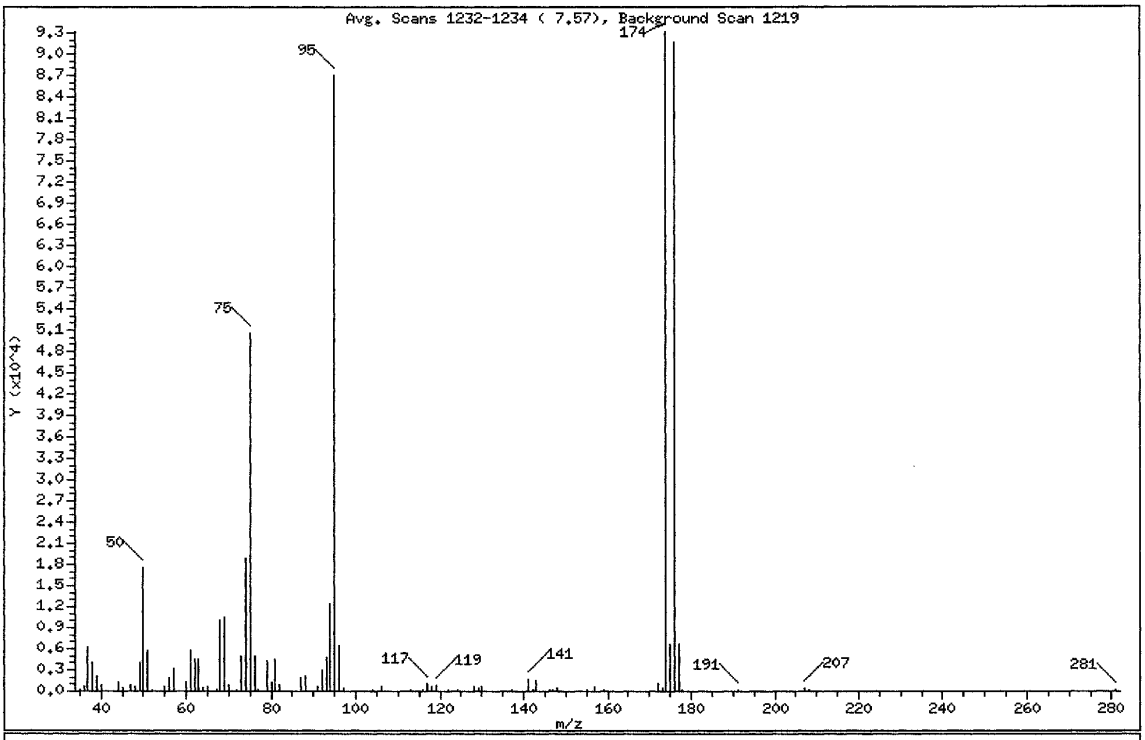
Sample Info: 1000*BFB01

Operator: ABD

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	20.22
75	30.00 - 60.00% of mass 95	58.08
96	5.00 - 9.00% of mass 95	7.31
173	Less than 2.00% of mass 174	0.58 (0.54)
174	50.00 - 120.00% of mass 95	107.03
175	5.00 - 9.00% of mass 174	7.64 (7.14)
176	95.00 - 101.00% of mass 174	105.37 (98.44)
177	5.00 - 9.00% of mass 176	7.69 (7.29)

Data File: /var/chem/msv3.i/2060806p.s.b/u8535.d

Date : 06-AUG-2006 11:02

Client ID: BFB01 Instrument: msv3.i

Sample Info: 1000xBFB01

Operator: ABD

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

Data File: u8535.d
Spectrum: Avg. Scans 1232-1234 (7.57), Background Scan 1219
Location of Maximum: 174.00
Number of points: 81

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	244	64.00	504	94.00	12446	143.00	1543
36.00	699	65.00	671	95.00	87088	146.00	266
37.00	6152	67.00	274	96.00	6369	147.00	237
38.00	4177	68.00	10158	97.00	448	148.00	344
39.00	2227	69.00	10593	104.00	310	155.00	315
40.00	768	70.00	935	105.00	105	157.00	584
44.00	1354	72.00	177	106.00	648	159.00	320
45.00	458	73.00	4934	107.00	102	172.00	1122
47.00	895	74.00	18824	113.00	121	173.00	508
48.00	586	75.00	50584	116.00	149	174.00	93216
49.00	4177	76.00	4952	117.00	1056	175.00	6657
50.00	17608	77.00	287	118.00	555	176.00	91760
51.00	5684	79.00	4273	119.00	763	177.00	6694
52.00	252	80.00	1315	122.00	131	178.00	245
55.00	663	81.00	4571	124.00	112	191.00	122
56.00	1831	82.00	868	128.00	664	207.00	478
57.00	3123	87.00	1870	129.00	469	208.00	128
60.00	1280	88.00	2053	130.00	556	281.00	129
61.00	5743	91.00	621	137.00	130		
62.00	4409	92.00	2985	141.00	1608		
63.00	4576	93.00	4803	142.00	111		

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8537.d
Lab Smp Id: 1400 Client Smp ID: V3STD050
Inj Date : 06-AUG-2006 12:12
Operator : ABD Inst ID: msv3.i
Smp Info : 1400*V3STD050*5-51-5
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 13:36 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				2206432	100.000	101	0
1 Dichlorodifluoromethane	85	1.340	1.340	(0.151)	1356870	50.0000	48.2	9417
2 Chloromethane ++	50	1.489	1.489	(0.352)	609213	50.0000	43.5	9069
3 Vinyl Chloride +	62	1.563	1.563	(0.369)	679225	50.0000	48.8	8959
5 Bromomethane	94	1.792	1.792	(0.423)	706908	50.0000	136	8092
6 Chloroethane	64	1.872	1.872	(0.442)	408955	50.0000	50.8	8639
7 Trichlorofluoromethane	101	2.055	2.055	(0.485)	1756772	50.0000	49.9	8411(H)
9 Acrolein	56	2.330	2.330	(0.550)	135032	250.000	187	8978
10 1,1,2Trichlotrifluoroethane	101	2.393	2.393	(0.565)	927604	50.0000	48.3	8466
11 1,1-Dichloroethene +	96	2.398	2.398	(0.566)	670299	50.0000	47.9	8170
12 Acetone	43	2.427	2.427	(0.573)	192129	50.0000	44.0	
13 Methyl Iodide	142	2.501	2.501	(0.591)	1496163	50.0000	49.6	9607
14 Carbon Disulfide	76	2.553	2.553	(0.603)	2277973	50.0000	51.3	9416
17 Methyl Acetate	43	2.633	2.633	(0.622)	287321	50.0000	38.6	9119
18 Methylene Chloride	49	2.702	2.702	(0.638)	778785	50.0000	50.9	8751

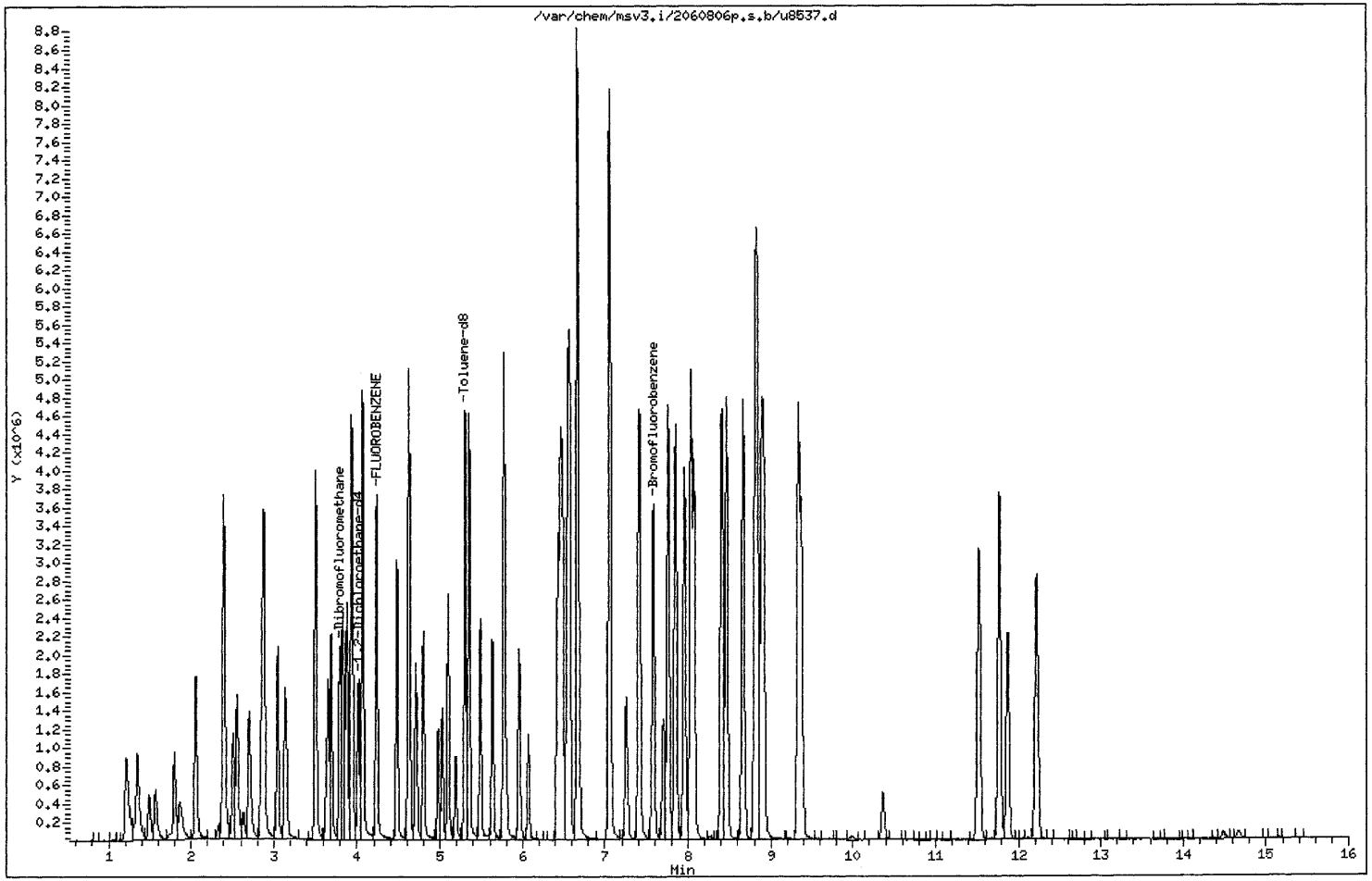
			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	20	Acrylonitrile	53	2.845	2.845	(0.672)	796622	250.000	205	9758(A)
	22	trans-1,2-Dichloroethene	61	2.873	2.873	(0.679)	872523	50.0000	45.8	
	21	MTBE	73	2.873	2.873	(0.679)	1377832	50.0000	43.2	8526
	24	Hexane	57	3.045	3.045	(0.719)	812149	50.0000	49.0	9543
	26	1,1-Dichloroethane ++	63	3.136	3.136	(0.741)	1061286	50.0000	46.8	6793
	25	Vinyl Acetate	43	3.153	3.153	(0.745)	738045	50.0000	42.8	
	34	cis-1,2-Dichloroethene	61	3.497	3.497	(0.826)	1067143	50.0000	44.1	
	35	2,2-Dichloropropane	77	3.502	3.502	(0.827)	1066544	50.0000	52.8	9088
	32	2-Butanone	43	3.497	3.497	(0.826)	234978	50.0000	34.9	
M	30	Total 1,2-Dichloroethene	61				1939666	100.000	89.8	0
	37	Bromochloromethane	128	3.651	3.651	(0.862)	427586	50.0000	44.0	7874
	38	Chloroform +	83	3.691	3.691	(0.872)	1400667	50.0000	42.5	8815
$	39	Dibromofluoromethane	111	3.794	3.794	(0.896)	1020398	50.0000	51.6	9584
	40	1,1,1-Trichloroethane	97	3.828	3.828	(0.904)	1361444	50.0000	47.7	8665
	42	Cyclohexane	56	3.868	3.868	(0.914)	898207	50.0000	43.3	9443
	43	1,1-Dichloropropene	75	3.925	3.925	(0.927)	961169	50.0000	46.4	8775
	44	Carbon Tetrachloride	117	3.937	3.937	(0.930)	1489793	50.0000	49.8	8268
$	45	1,2-Dichloroethane-d4	67	4.017	4.017	(0.949)	535597	50.0000	45.5	9426
	46	1,2-Dichloroethane	62	4.063	4.063	(0.959)	1202514	50.0000	41.8	8534
	47	Benzene	78	4.068	4.068	(0.961)	2235957	50.0000	42.6	9017
*	48	FLUOROBENZENE	96	4.234	4.234	(1.000)	2625618	50.0000		9287
	49	Trichloroethene	130	4.480	4.480	(1.058)	849825	50.0000	44.7	9227
	51	Methyl Cyclohexane	83	4.618	4.618	(1.090)	1067052	50.0000	47.7	9455
	52	1,2-Dichloropropane +	63	4.623	4.623	(1.092)	572873	50.0000	43.8	9406
	55	Dibromomethane	93	4.703	4.703	(1.111)	532445	50.0000	42.2	8884
	56	Bromodichloromethane	83	4.795	4.795	(1.132)	1185208	50.0000	44.6	9270
	57	2-Chloroethyl vinyl ether	63	4.978	4.978	(1.176)	400890	50.0000	45.2	9460
	58	1-Bromo-2-chloroethane	63	5.024	5.024	(1.186)	839987	50.0000	40.6	9187
	59	cis-1,3-Dichloropropene	75	5.098	5.098	(1.204)	1107905	50.0000	50.5	
	60	4-methyl-2-pentanone	43	5.184	5.184	(1.224)	527411	50.0000	34.8	
$	61	Toluene-d8	98	5.304	5.304	(1.253)	2847015	50.0000	51.1	9661
	62	Toluene +	91	5.350	5.350	(1.263)	2872454	50.0000	44.8	8999
	63	trans-1,3-Dichloropropene	75	5.487	5.487	(1.296)	1098527	50.0000	50.5	
	65	1,1,2-Trichloroethane	97	5.630	5.630	(0.872)	627021	50.0000	45.6	9429
	66	1,3-Dichloropropane	76	5.767	5.767	(0.893)	931137	50.0000	43.1	8728
	67	Tetrachloroethene	164	5.773	5.773	(0.894)	807421	50.0000	50.4	8511
	68	2-Hexanone	43	5.807	5.807	(0.899)	371209	50.0000	37.1	
	69	Dibromochloromethane	129	5.962	5.962	(0.923)	1104550	50.0000	47.8	9505
	70	1,2-Dibromoethane(EDB)	107	6.070	6.070	(0.940)	719350	50.0000	43.2	9484
	151	1-chlorohexane	91	6.431	6.431	(0.996)	962085	50.0000	47.8	5621
*	71	CHLOROBENZENE-d5	82	6.459	6.459	(1.000)	1275821	50.0000		9253
	72	Chlorobenzene ++	112	6.488	6.488	(1.004)	2059004	50.0000	45.9	8425
	73	1,1,1,2-Tetrachloroethane	133	6.545	6.545	(1.013)	926002	50.0000	48.2	9098
	74	Ethylbenzene +	106	6.568	6.568	(1.017)	1089101	50.0000	46.7	
	75	p,m-Xylene	106	6.671	6.671	(1.033)	2557664	100.000	96.0	
	76	o-Xylene	106	7.054	7.054	(1.092)	1336780	50.0000	52.5	
	77	Styrene	104	7.060	7.060	(1.093)	2235562	50.0000	49.5	9561

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
79	Bromoform ++	173	7.254	7.254	(1.123)	859761	50.0000	48.3	9628
80	Isopropylbenzene	105	7.409	7.409	(1.147)	3509740	50.0000	52.0	9683
$ 82	Bromofluorobenzene	174	7.580	7.580	(1.174)	1332015	50.0000	51.1	8912
83	1,1,2,2-Tetrachloroethane++	83	7.706	7.706	(0.867)	695241	50.0000	39.3	9284
84	trans-1,4-Dichloro-2-Butene	53	7.763	7.763	(0.874)	192208	50.0000	40.4	8655
86	Bromobenzene	77	7.752	7.752	(0.873)	1540899	50.0000	42.7	8675
85	1,2,3-Trichloropropane	75	7.757	7.757	(0.873)	920637	50.0000	41.1	8631
87	n-Propylbenzene	91	7.843	7.843	(0.883)	4152185	50.0000	48.6	
M 78	TOTAL XYLENE	106				3894444	150.000	148	0
88	2-Chlorotoluene	91	7.958	7.958	(0.896)	2586239	50.0000	45.7	
89	1,3,5-Trimethylbenzene	105	8.032	8.032	(0.904)	3447195	50.0000	49.0	9136
90	4-Chlorotoluene	91	8.072	8.072	(0.909)	3164626	50.0000	45.9	
91	tert-butylbenzene	91	8.409	8.409	(0.947)	2546648	50.0000	49.9	9373
93	1,2,4-Trimethylbenzene	105	8.461	8.461	(0.952)	3443200	50.0000	48.5	
94	sec-Butylbenzene	105	8.661	8.661	(0.975)	4013886	50.0000	49.2	
96	1,3-Dichlorobenzene	146	8.810	8.810	(0.992)	1999715	50.0000	44.5	
95	p-Isopropyltoluene	119	8.833	8.833	(0.994)	3682154	50.0000	50.2	7048
* 97	1,4-DICHLOROBENZENE-D4	152	8.884	8.884	(1.000)	1456345	50.0000		9552
98	1,4-Dichlorobenzene	146	8.913	8.913	(1.003)	2071396	50.0000	43.6	
99	n-Butylbenzene	91	9.336	9.336	(1.051)	3208881	50.0000	49.5	9661
100	1,2-Dichlorobenzene	146	9.370	9.370	(1.055)	1944385	50.0000	42.9	
101	1,2-Dibromo-3-Chloropropane	157	10.365	10.365	(1.167)	203409	50.0000	37.4	9234
103	1,2,4-Trichlorobenzene	180	11.526	11.526	(1.297)	1529786	50.0000	47.1	
104	Hexachlorobutadiene	225	11.767	11.767	(1.324)	1193034	50.0000	45.3	9635
105	Naphthalene	128	11.870	11.870	(1.336)	2587768	50.0000	42.5	9741
106	1,2,3-Trichlorobenzene	180	12.219	12.219	(1.375)	1412440	50.0000	44.7	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv3.i/2060806p.s.b/u8537.d
Date : 06-AUG-2006 12:12
Client ID: W3STD050
Instrument: msv3.i
Sample Info: 1400*W3STD050*5-51-5
Purge Volume: 5.0
Operator: ABD
Column phase: DB-624
Column diameter: 0.53

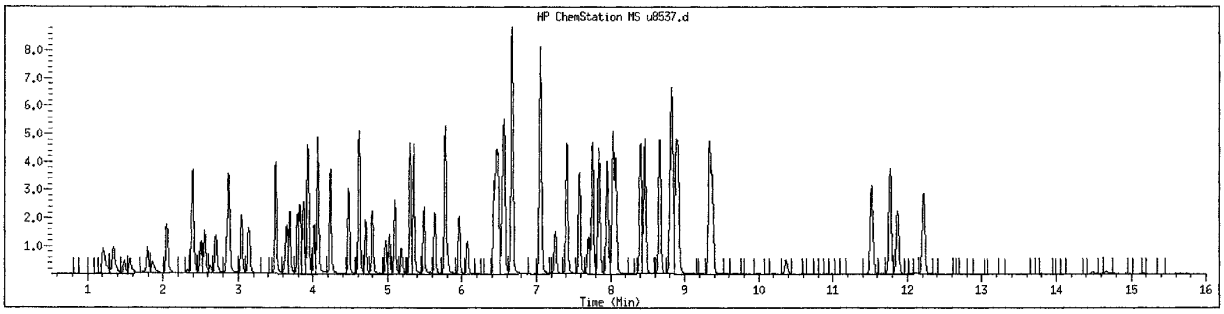


000279

Data file : /var/chem/msv3.i/2060806p.s.b/u8537.d Page: 1
Report Date: 08/06/2006 13:36

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 06-AUG-2006 12:12 Instrument : msv3.i
Operator : ABD
Sample Info : 1400*V3STD050*5-51-5
Misc Info : MSV~8817~*1*ABD
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



NO MANUAL INTEGRATIONS

000280

166741

Report Date: 31-Aug-2006 10:42

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv3.i Injection Date: 06-AUG-2006 12:44
Lab File ID: u8538.d Init. Cal. Date(s): 21-JUL-2006 21-JUL-2006
Analysis Type: WATER Init. Cal. Times: 08:08 15:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv3.i/2060806p.s.b/8260Bw3.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
n Butanol	0.00426	0.00643	0.00643	0.000	50.99621	30.00000	Averaged	<

000281

166742

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8538.d
Lab Smp Id: 1400 Client Smp ID: V3STD050APP9
Inj Date : 06-AUG-2006 12:44
Operator : ABD Inst ID: msv3.i
Smp Info : 1400*V3STD050APP9
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 13:36 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
* 48 FLUOROBENZENE	96	4.235	4.235	(1.000)	1425829	50.0000		9360
* 71 CHLOROBENZENE-d5	82	6.460	6.460	(1.000)	670167	50.0000		9381
* 97 1,4-DICHLOROBENZENE-D4	152	8.885	8.885	(1.000)	754950	50.0000		9657
8 Ethyl Ether	59	2.245	2.245	(0.530)	2027869	250.000	458	9105
15 Acetonitrile	41	2.623	2.623	(0.619)	1004114	250.000	425	8578
16 Ally Chloride	39	2.623	2.623	(0.619)	749759	50.0000	86.9	8174
31 Chloroprene	53	3.194	3.194	(0.754)	991849	50.0000	94.0	8788
33 Ethyl Acetate	43	3.526	3.526	(0.833)	724430	250.000	457	7347
36 Propionitril	54	3.532	3.532	(0.834)	295626	250.000	403	7831
41 n-Butanol	56	4.384	4.384	(1.035)	45847	250.000	377	6033
53 Methyl Methacrylate	41	4.664	4.664	(1.101)	515601	50.0000	86.3	7072
27 Isobutyl Alcohol	43	3.961	3.961	(0.935)	68893	250.000	365	8700
54 1,4-Dioxane	58	4.716	4.716	(1.113)	77493	1250.00	1710	8550
64 Ethyl Methacrylate	41	5.528	5.528	(1.305)	561488	50.0000	86.6	9224
81 Cyclohexanone	55	3.869	3.869	(0.599)	410162	100.000		5138(a)

000282

166743

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
92 Pentachloroethane	167	8.433	8.433	(0.949)	626473	50.0000	97.3	9372
102 Benzal Chloride	125	11.093	11.093	(1.248)	666844	100.000	266	9145
4 1,3-Butadiene	39	1.593	1.593	(0.376)	525784	50.0000	159	9683
19 tert-butyl alcohol	59	2.765	2.765	(0.653)	41994	50.0000	88.4	4658
28 2 Butanol	45	2.245	2.245	(0.530)	1320950	100.000		9105(a)
29 Isopropyl Ether	45	3.172	3.172	(0.749)	1582500	50.0000	116	9197
50 2,3Dichloro-1-propene	75	4.641	4.641	(1.096)	1185902	50.0000	109	9317
135 Methacrylonitrile	41	3.629	3.629	(0.857)	544002	50.0000	185	8372
136 Tetrahydrofuran	42	3.692	3.692	(0.872)	500047	250.000	374	9367
137 1,5-Cyclooctadiene	67	7.524	7.524	(1.165)	923739	50.0000	103	9077
140 1-Nitropropane	43	4.939	4.939	(1.166)	238543	50.0000	116	9515
141 2-Nitropropane	43	5.465	5.465	(0.846)	121499	50.0000	117	9179
155 2,2,4-Trimethylpentane	57	4.104	4.104	(0.969)	2307376	50.0000	119	9864(A)

QC Flag Legend

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

000284

Data File: /var/chem/msv3.i/2060806p.s.b/u8538.d

Page 1

Date : 06-AUG-2006 12:44

Client ID: V3STD050APP9

Instrument: msv3.i

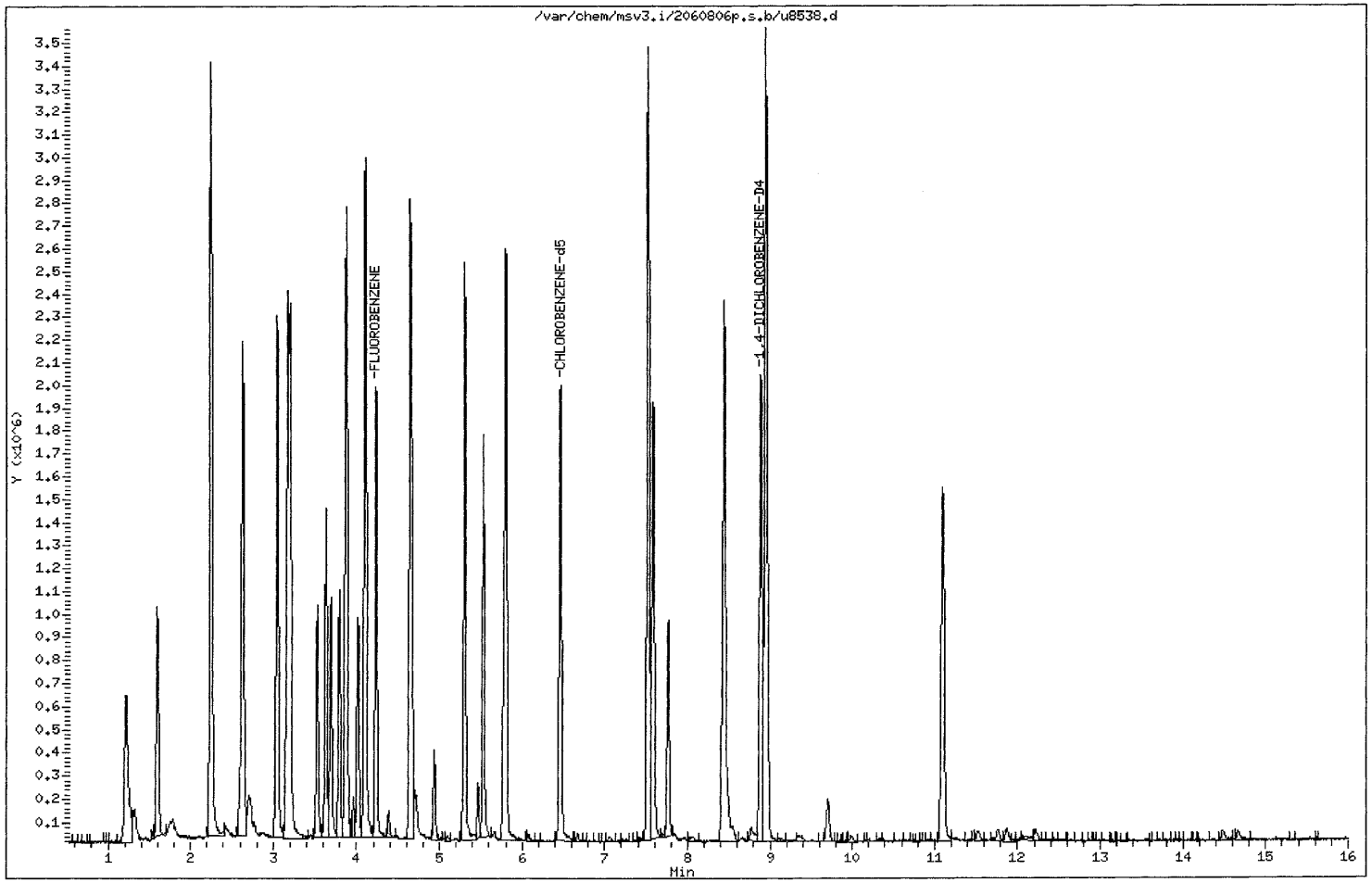
Sample Info: 1400*V3STD050APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

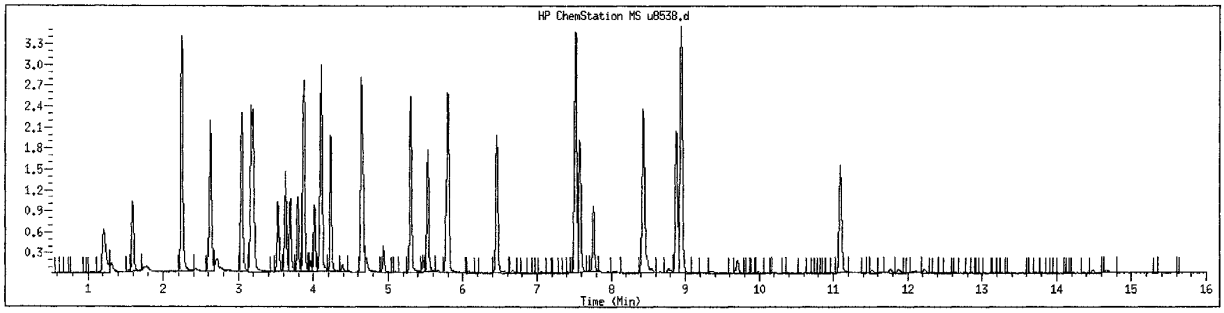


166745

Data file : /var/chem/msv3.i/2060806p.s.b/u8538.d Page: 1
Report Date: 08/06/2006 13:36

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 06-AUG-2006 12:44 Instrument : msv3.i
Operator : ABD
Sample Info : 1400*V3STD050APP9
Misc Info : MSV~8817~*1*ABD
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



NO MANUAL INTEGRATIONS

000285

166746

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

Calibration File Names:
Level 1: /var/chem/msv5.i/2060807p.s.b/g7058.d
Level 2: /var/chem/msv5.i/2060807p.s.b/g7060.d
Level 3: /var/chem/msv5.i/2060807p.s.b/g7061.d
Level 4: /var/chem/msv5.i/2060807p.s.b/g7062.d
Level 5: /var/chem/msv5.i/2060614.s.b/g5030.d
Level 6: /var/chem/msv5.i/2060614.s.b/g5023.d
Level 7: /var/chem/msv5.i/2060807p.s.b/g7057.d
Level 8: /var/chem/msv5.i/2060807p.s.b/g7059.d
Level 9: /var/chem/msv5.i/2060807p.s.b/g7056.d
Level 10: /var/chem/msv5.i/2060807p.s.b/g7055.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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
1 Dichlorodifluoromethane	0.67787	0.63324	0.61463	0.63357	+++++	+++++						
	0.71468	0.64965	0.82093	+++++			AVRG		0.67780		10.53124	
2 Chloromethane --	0.54229	0.53723	0.54088	0.59513	+++++	+++++						
	0.62481	0.58072	+++++	+++++			AVRG		0.57018		6.29472	
3 Vinyl Chloride -	0.44577	0.47895	0.46534	0.46914	+++++	+++++						
	0.46358	0.48662	0.39974	+++++			AVRG		0.45845		6.30268	
4 1,3 Butadiene	0.26861	0.27201	0.22397	0.25186	0.30467	0.21880						
	+++++	0.21679	+++++	+++++			AVRG		0.25096		13.18615	<-
5 Bromomethane	0.29067	0.28511	0.27032	0.27711	+++++	+++++						
	0.31874	0.28127	0.38970	+++++			AVRG		0.30185		13.81781	

000286

166747

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

Compound	5 Level 1 1 Level 7	20 Level 2 10 Level 8	50 Level 3 0.4000 Level 9	100 Level 4 0.2000 Level 10	200 Level 5	2 Level 6	Curve	Coefficients b	 m1	 m2	%RSD or R^2	
M 6 1-3 Dichloropropene-Total	0.57834	0.58284	0.56341	0.57290	+++++	+++++						
	0.47959	0.58569	+++++	+++++			AVRG		0.56046		7.20839	
M 7 Total Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
8 Chloroethane	18812	74491	114558	189963	+++++	+++++						
	2853	34357	+++++	+++++			QUAD	0.01866	2.90122	69.04709	0.99426	
9 Trichlorofluoromethane	0.56401	0.50826	0.50459	0.51619	+++++	+++++						
	0.59143	0.55019	+++++	+++++			AVRG		0.53911		6.50528	
10 Ethyl Ether	0.18140	0.18289	0.15547	0.15176	0.14114	0.15107						
	+++++	0.18802	+++++	+++++			AVRG		0.16454		11.49640	<-
11 1,1-Dichloroethene +	0.20750	0.20746	0.20974	0.21326	+++++	+++++						
	0.17013	0.22060	+++++	+++++			AVRG		0.20478		8.63187	
12 Carbon Disulfide	0.96130	0.92710	0.92747	0.93955	+++++	+++++						
	1.01026	0.96419	1.01251	+++++			AVRG		0.96320		3.74079	
13 1,1,2Trichlotrifluoroethane	0.24217	0.25294	0.24441	0.26177	+++++	+++++						
	0.19195	0.23813	+++++	+++++			AVRG		0.23856		10.20809	
14 Methyl Iodide	46928	218059	546731	1177685	+++++	+++++						
	4838	100011	2904	1532			LINR	0.00602	0.46583		0.99982	

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166748

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
15 Acrolein	0.02177	0.02224	0.02501	0.02171	+++++	+++++						
	0.01774	0.02082	+++++	+++++			AVRG		0.02155		10.89193	
16 Allyl chloride	0.27697	0.26233	0.25525	0.25915	0.26792	0.26048						
	+++++	0.28545	+++++	+++++			AVRG		0.26679		4.06150	<-
17 Methylene Chloride	76239	217855	513762	1009806	+++++	+++++						
	32680	115636	+++++	+++++			LINR	-0.07415	0.38822		0.99943	
18 Acetone	22767	54527	134210	231671	+++++	+++++						
	10641	34513	+++++	+++++			QUAD	-0.04165	7.27481	20.83298	0.99869	
19 trans-1,2-Dichloroethene	0.46691	0.44917	0.43888	0.42817	+++++	+++++						
	0.39510	0.43677	+++++	+++++			AVRG		0.43583		5.49875	
20 Methyl Acetate	0.22756	0.19983	0.19798	0.18947	+++++	+++++						
	0.23764	0.18797	+++++	+++++			AVRG		0.20674		10.06063	
21 Hexane	71814	254788	640021	1282100	-----	-----						
	19045	122724	14485	+++++			LINR	-0.02503	0.50521		0.99950	
22 MTBE	71605	312163	787541	1593228	+++++	+++++						
	7692	154189	5867	3972			LINR	-0.00794	0.63363		0.99944	
23 tert-Butyl Alcohol	0.01658	0.01966	0.01658	0.01761	0.01905	+++++						
	+++++	0.01732	+++++	+++++			AVRG		0.01780		7.21366	<-

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166749

GCAL, Inc.

INITIAL CALIBRATION DATA

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End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
24 Acetonitrile	35818	99261	210342	393226	768029	20953						
	+++++	53231	+++++	+++++			LINR	-0.50178	0.04008		0.99955	<-
25 Isopropyl Ether	1.03701	1.12634	0.84476	0.89040	0.95226	0.71553						
	+++++	0.97735	+++++	+++++			AVRG		0.93481		14.31254	<-
26 Chloroprene	0.39741	0.41871	0.39742	0.39655	0.40604	0.31572						
	+++++	0.41041	+++++	+++++			AVRG		0.39175		8.81032	<-
27 1,1-Dichloroethane ++	0.60808	0.57641	0.57498	0.57159	+++++	+++++						
	0.57784	0.63524	0.52263	+++++			AVRG		0.58097		5.97811	
28 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
29 Acrylonitrile	0.10066	0.10697	0.10583	0.10192	+++++	+++++						
	0.10627	0.11101	+++++	+++++			AVRG		0.10544		3.53293	
30 Vinyl Acetate	0.56381	0.63122	0.63986	0.64967	+++++	+++++						
	0.52746	0.65733	+++++	+++++			AVRG		0.61156		8.67904	
31 cis-1,2-Dichloroethene	0.50959	0.52272	0.50344	0.51171	+++++	+++++						
	0.42883	0.56115	+++++	+++++			AVRG		0.50624		8.53204	
32 2,2-Dichloropropane	0.56557	0.50985	0.51307	0.51343	+++++	+++++						
	0.54123	0.52901	0.49273	+++++			AVRG		0.52356		4.58525	

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166750

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
33 Bromochloromethane	0.15006	0.14856	0.14576	0.14115	+++++	+++++						
	0.13958	0.14059	+++++	+++++			AVRG		0.14428		3.09105	
34 Cyclohexane	0.48235	0.48305	0.47789	0.49629	+++++	+++++						
	0.36283	0.49048	0.46895	+++++			AVRG		0.46598		9.93894	
35 Chloroform +	0.66120	0.63384	0.61032	0.60937	+++++	+++++						
	0.55859	0.64860	0.52009	+++++			AVRG		0.60600		8.33148	
36 Carbon Tetrachloride	60728	229659	579782	1242368	+++++	+++++						
	9147	104432	3138	2949			LINR	0.00069	0.49017		0.99981	
37 Ethyl Acetate	0.14972	0.17221	0.14252	0.14078	0.13308	0.13391						
	+++++	0.16659	+++++	+++++			AVRG		0.14840		10.42760	<-
38 Tetrahydrofuran	0.09254	0.09750	0.08441	0.08718	0.07606	0.08281						
	+++++	0.09654	+++++	+++++			AVRG		0.08815		8.86962	<-
40 1,1,1-Trichloroethane	54143	238194	594547	1293690	+++++	+++++						
	9471	113634	2920	+++++			LINR	0.00447	0.51031		0.99971	
41 sec-Butanol	0.01971	0.02198	0.01689	0.01966	0.01855	+++++						
	+++++	0.01563	+++++	+++++			AVRG		0.01874		12.03873	<-
42 2-Butanone	0.16707	0.17485	0.17560	0.16982	+++++	+++++						
	0.23653	0.18835	+++++	+++++			AVRG		0.18537		14.08620	

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166751

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
43 1,1-Dichloropropene	0.43661	0.42902	0.42743	0.44725	+++++	+++++						
	0.41166	0.43229	0.41263	+++++			AVRG		0.42813		2.96597	
44 2-2-4 trimethyl Pentane	1.07740	1.15269	0.89066	1.01482	1.11015	0.76922						
	+++++	0.98291	+++++	+++++			AVRG		0.99970		13.36838	<-
45 Benzene	1.01772	1.01140	0.96834	1.02740	+++++	+++++						
	0.94288	1.00855	1.06449	+++++			AVRG		1.00583		3.94645	
46 Propionitrile	0.04378	0.04681	0.04304	0.04172	0.04100	0.03430						
	+++++	0.04445	+++++	+++++			AVRG		0.04216		9.36553	
47 Methacrylonitrile	0.18268	0.22121	0.16467	0.17609	0.18702	0.14690						
	+++++	0.20423	+++++	+++++			AVRG		0.18326		13.39162	
49 1,2-Dichloroethane	0.65337	0.63628	0.60162	0.59200	+++++	+++++						
	0.59298	0.61495	0.65197	+++++			AVRG		0.62045		4.30256	
50 Isobutyl Alcohol	4629	26018	53307	111931	197118	2052						
	+++++	14351	+++++	+++++			QUAD	0.07037	70.63731	115	0.99895	
51 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
53 Methyl Cyclohexane	0.40545	0.41005	0.39817	0.41069	+++++	+++++						
	0.42666	0.39091	0.36476	+++++			AVRG		0.40096		4.85871	

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166752

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

	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	
		1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
	54 Trichloroethene	0.28059	0.26688	0.25781	0.26791	+++++	+++++						
		0.24104	0.25522	0.18587	+++++			AVRG		0.25076		12.41895	
	55 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
	56 n-Butanol	0.00927	0.00889	0.00810	0.00809	0.00746	0.00586						
		+++++	0.00835	+++++	+++++			AVRG		0.00800		13.88417	
	57 Dibromomethane	0.23204	0.24757	0.23687	0.23116	+++++	+++++						
		0.22767	0.24252	0.24948	+++++			AVRG		0.23819		3.57023	
	58 2-3 Dichloro-1-Proprene	0.50612	0.52779	0.41066	0.45026	0.48181	0.37322						
		+++++	0.47089	+++++	+++++			AVRG		0.46011		11.69660	
	59 1,2-Dichloropropane +	0.32010	0.32088	0.31910	0.32658	+++++	+++++						
		0.30519	0.33004	0.33127	+++++			AVRG		0.32188		2.74194	
	60 Bromodichloromethane	0.51181	0.52493	0.52047	0.51498	-----	-----						
		0.49063	0.56190	0.35969	+++++			AVRG		0.49777		12.96130	
M	61 Total 1,2-Dichloroethene	0.48825	0.48594	0.47116	0.46994	+++++	+++++						
		0.41197	0.49896	+++++	+++++			AVRG		0.47104		6.57015	
	62 Methyl methacrylate	0.18419	0.24190	0.19260	0.20223	0.20322	0.17481						
		+++++	0.22174	+++++	+++++			AVRG		0.20296		11.23865	

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166753

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
63 1,4- Dioxane	1880	25419	50529	108144	192777	1116						
	+++++	11489	+++++	+++++			QUAD	0.97531	363	577	0.99874	
64 1-Bromo-2-chloroethane	0.53420	0.50777	0.47154	0.49520	+++++	+++++						
	0.38864	0.50582	0.45057	0.62728			AVRG		0.49763		13.81779	
65 2-Chloroethyl vinyl ether	0.23592	0.24319	0.25055	0.22566	+++++	+++++						
	0.19837	0.26794	+++++	+++++			AVRG		0.23694		9.98973	
66 cis-1,3-Dichloropropene	0.59289	0.56047	0.55867	0.56225	+++++	+++++						
	0.43379	0.57532	+++++	+++++			AVRG		0.54723		10.42542	
68 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
69 Toluene +	1.87592	1.99484	1.99355	2.03632	+++++	+++++						
	1.90139	1.96318	2.04720	+++++			AVRG		1.97320		3.27546	
70 2-nitropropane	0.09086	0.09022	0.06881	0.07492	0.08392	0.06392						
	+++++	0.08450	+++++	+++++			AVRG		0.07959		13.23847	
71 4-methyl-2-pentanone	0.35599	0.38428	0.40536	0.39022	+++++	+++++						
	0.37978	0.43479	0.45712	+++++			AVRG		0.40108		8.62614	
72 Tetrachloroethene	0.36525	0.34131	0.33616	0.35567	+++++	+++++						
	0.23958	0.32552	0.29113	+++++			AVRG		0.32209		13.49545	

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166754

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
73 trans-1,3-Dichloropropene	1.01133	1.09057	1.03406	1.09285	+++++	+++++						
	0.95125	1.02958	-++++	+++++			AVRG		1.03494		5.11988	
74 Ethyl Methacrylate	0.71983	0.81942	0.70965	0.76497	0.68015	0.61845						
	+++++	0.75176	+++++	+++++			AVRG		0.72346		8.89377	
75 1,1,2-Trichloroethane	25865	115725	311570	660519	+++++	+++++						
	5265	57042	1297	+++++			LINR	0.01602	0.49008		0.99963	
76 Dibromochloromethane	0.69007	0.70813	0.71880	0.74039	+++++	+++++						
	0.65092	0.67814	0.63725	+++++			AVRG		0.68910		5.34548	
77 1,3-Dichloropropane	0.93099	0.92946	0.91985	0.99777	+++++	+++++						
	0.85996	0.90785	0.96099	+++++			AVRG		0.92955		4.61734	
78 1-nitropropane	0.06977	0.06219	0.04960	0.05225	0.05312	0.05591						
	+++++	0.05578	+++++	+++++			AVRG		0.05694		12.10915	<-
79 1,2-Dibromoethane(EDB)	0.54555	0.54968	0.57251	0.60355	+++++	+++++						
	0.46649	0.54458	0.41249	-++++			AVRG		0.52783		12.43959	
80 2-Hexanone	0.45086	0.49612	0.52404	0.52865	+++++	+++++						
	0.45823	0.48751	0.41654	+++++			AVRG		0.48028		8.48850	
81 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-

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166755

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
82 1-Chlorohexane	0.73956	0.75483	0.84403	0.88358	+++++	+++++						
	0.81419	0.76887	0.87726	+++++			AVRG		0.81176		7.25121	
84 Chlorobenzene ++	1.34636	1.34251	1.31245	1.37781	+++++	+++++						
	1.21864	1.31032	1.11746	+++++			AVRG		1.28937		7.03885	
85 Ethylbenzene +	0.69693	0.67202	0.68202	0.71527	+++++	+++++						
	0.64876	0.64227	0.73758	+++++			AVRG		0.68498		5.03625	
86 1,1,1,2-Tetrachloroethane	0.52474	0.55337	0.54335	0.57555	+++++	+++++						
	0.53342	0.50995	0.50645	0.54045			AVRG		0.53591		4.24645	
87 p,m-Xylene	0.79432	0.78955	0.81654	0.86263	+++++	+++++						
	0.77800	0.78836	0.75465	+++++			AVRG		0.79772		4.27484	
88 Methyl Disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
89 o-Xylene	0.73132	0.81170	0.82599	0.89669	+++++	+++++						
	0.66880	0.74363	0.78948	+++++			AVRG		0.78109		9.47702	
90 Styrene	1.39909	1.51497	1.50583	1.59409	+++++	+++++						
	1.14298	1.38041	1.13849	+++++			AVRG		1.38227		13.03280	
91 Bromoform ++	0.37937	0.41162	0.41979	0.43393	+++++	+++++						
	0.38810	0.37495	0.28959	+++++			AVRG		0.38534		12.33616	

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166756

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10							
92 1,5 Cyclooctadiene	43574	176970	353458	761240	1715948	10314					
	+++++	78817	+++++	+++++			LINR	0.04587	0.45316		0.99629
93 Isopropylbenzene	2.08398	2.29070	2.26343	2.42489	+++++	+++++					
	1.96158	2.16052	2.42650	+++++			AVRG		2.23023		7.75751
95 n-Propylbenzene	4.33599	4.20913	4.09948	3.99375	+++++	+++++					
	4.07843	4.14971	3.99621	+++++			AVRG		4.12324		2.95073
96 Bromobenzene	1.95562	1.80042	1.82377	1.79541	+++++	+++++					
	1.68731	1.88053	2.18413	+++++			AVRG		1.87531		8.48294
97 1,1,2,2-Tetrachloroethane++	0.97679	0.95724	0.99196	0.94857	+++++	+++++					
	0.98448	1.08305	0.91922	+++++			AVRG		0.98019		5.26709
98 2-Chlorotoluene	3.09447	2.99142	2.95096	2.89695	+++++	+++++					
	2.92489	2.90598	2.74433	+++++			AVRG		2.92986		3.61835
99 1,3,5-Trimethylbenzene	3.12686	2.96856	2.98690	2.87308	+++++	+++++					
	2.65794	2.91395	3.55872	+++++			AVRG		3.01229		9.28024
100 1,2,3-Trichloropropane	1.31321	1.24770	1.28691	1.23480	+++++	+++++					
	1.32397	1.37411	0.83893	+++++			AVRG		1.23138		14.56569
101 trans-1,4-Dichloro-2-Butene	0.31750	0.31980	0.31453	0.30489	+++++	+++++					
	0.27757	0.31913	0.41780	0.27488			AVRG		0.31826		13.87097

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166757

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10							
102 Cyclohexanone	3082	9686	28189	108330	+++++	1587					
	+++++	5478	+++++	+++++			QUAD	-0.02149	32.09557	-62.49660	0.99963
103 4-Chlorotoluene	2.80987	2.84931	2.75375	2.74108	+++++	+++++					
	2.52917	2.77720	2.54649	+++++			AVRG		2.71526		4.65896
104 tert-butylbenzene	1.99909	1.88379	1.77440	1.83511	+++++	+++++					
	1.77690	1.85056	2.03325	+++++			AVRG		1.87901		5.42467
105 Pentachloroethane	0.61658	0.60506	0.57064	0.60424	0.59684	0.50025					
	+++++	0.60334	+++++	+++++			AVRG		0.58528		6.84651
106 1,2,4-Trimethylbenzene	2.99852	3.01546	3.01248	3.01449	+++++	+++++					
	2.72703	2.98334	2.84704	+++++			AVRG		2.94262		3.81842
107 sec-Butylbenzene	3.79357	3.76560	3.71581	3.74277	+++++	+++++					
	3.23113	3.72862	3.79413	+++++			AVRG		3.68166		5.45835
108 p-Isopropyltoluene	3.16672	3.21616	3.15399	3.05223	-----	+++++					
	2.80352	3.06841	3.15456	+++++			AVRG		3.08794		4.46377
109 Dicylopentadiene	4.02083	4.54636	3.74906	4.02587	4.11764	2.88329					
	+++++	4.13816	+++++	+++++			AVRG		3.92589		13.17048
110 1,3-Dichlorobenzene	1.44915	1.46441	1.46900	1.45804	+++++	+++++					
	1.33744	1.39382	1.66423	+++++			AVRG		1.46230		6.91209

000297

166758

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
112 1,4-Dichlorobenzene	1.40872	1.55731	1.51831	1.53253	+++++	+++++						
	1.55309	1.43826	1.73331	+++++			AVRG		1.53451		6.82126	
113 3-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
114 2-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
115 n-Butylbenzene	3.35017	3.59103	3.44749	3.44005	+++++	+++++						
	3.15846	3.45463	3.15607	+++++			AVRG		3.37113		4.81110	
116 1,2-Dichlorobenzene	1.48772	1.49793	1.41617	1.44002	+++++	+++++						
	1.16454	1.41998	1.57425	+++++			AVRG		1.42866		9.01836	
117 1-2 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
118 1-4 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
119 1-3 Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
120 1,2-Dibromo-3-Chloropropane	6485	33317	90176	179650	+++++	+++++						
	1528	16424	364	311			LINR	-0.00501	0.17694		0.99900	

000298

166759

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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	
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10								
121 Benzal Chloride	31761	80741	182693	493661	1147986	10780						
	+++++	26041	+++++	+++++			QUAD	0.08750	2.98666	-0.19128	0.99705	
122 Hexachlorobutadiene	0.60751	0.63157	0.58929	0.60513	+++++	+++++						
	0.41698	0.60659	+++++	+++++			AVRG		0.57618		13.73850	
123 1,2,4-Trichlorobenzene	0.90083	1.00709	0.98955	1.01232	+++++	+++++						
	0.80886	0.93934	0.87589	1.03710			AVRG		0.94637		8.38986	
M 124 TOTAL XYLENE	0.77332	0.79693	0.81969	0.87399	+++++	+++++						
	0.74160	0.77345	0.76626	+++++			AVRG		0.79218		5.50436	
125 Naphthalene	2.50313	2.76319	2.79069	2.71456	+++++	+++++						
	2.33959	2.63048	3.46874	+++++			AVRG		2.74434		12.99515	
126 1,2,3-Trichlorobenzene	0.94177	0.93477	0.95038	0.95936	+++++	+++++						
	0.92145	0.86101	0.86438	+++++			AVRG		0.91902		4.38257	
M 127 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-
128 2-methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++	+++++			AVRG		0.000e+00		0.000e+00	<-

000299

166760

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

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
	1 Level 7	10 Level 8	0.4000 Level 9	0.2000 Level 10							
$ 39 Dibromofluoromethane	0.35909	0.40147	0.37155	0.36552	+++++	+++++					
	0.40196	0.38389	0.37554	+++++			AVRG		0.37986		4.42652
$ 48 1,2-Dichloroethane-d4	0.24921	0.26808	0.25519	0.25291	+++++	+++++					
	0.21156	0.26924	0.20975	+++++			AVRG		0.24513		10.08178
$ 67 Toluene-d8	1.72081	1.68132	1.65686	1.75736	+++++	+++++					
	1.67944	1.57227	1.77478	+++++			AVRG		1.69184		4.02300
$ 94 Bromofluorobenzene	0.52692	0.50712	0.55844	0.58467	+++++	+++++					
	0.44653	0.50887	0.46882	+++++			AVRG		0.51448		9.32207

000300

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUN-2006 07:30
End Cal Date : 07-AUG-2006 13:41
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Cal Date : 14-Aug-2006 16:37 kcb

Average %RSD Results.
Calculated Average %RSD = 8.38846492
Maximun Average %RSD = 15
* 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

000301

166762

GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5021.d
Lab Smp Id: 1000 Client Smp ID: V5BFB01
Inj Date : 14-JUN-2006 06:14
Operator : ABD Inst ID: msv5.i
Smp Info : 1000*V5BFB01
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060614.s.b/bfb1.m
Meth Date : 05-Jun-2006 07:35 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		
8.462	8.600 (0.000)	95	45325			100.00- 100.00	100.00
8.462	8.600 (0.000)	50	7398			15.00- 40.00	16.32
8.462	8.600 (0.000)	75	17580			30.00- 60.00	38.79
8.462	8.600 (0.000)	96	2554			5.00- 9.00	5.63
8.462	8.600 (0.000)	173	0			0.00- 2.00	0.00
8.462	8.600 (0.000)	174	34178			50.00- 120.00	75.41
8.462	8.600 (0.000)	175	2169			5.00- 9.00	6.35
8.462	8.600 (0.000)	176	33592			95.00- 101.00	98.29
8.462	8.600 (0.000)	177	1893			5.00- 9.00	5.64

000302

166763

Data File: /var/chem/msv5.i/2060614.s.b/g5021.d

Page 1

Date : 14-JUN-2006 06:14

Client ID: V5BFB01

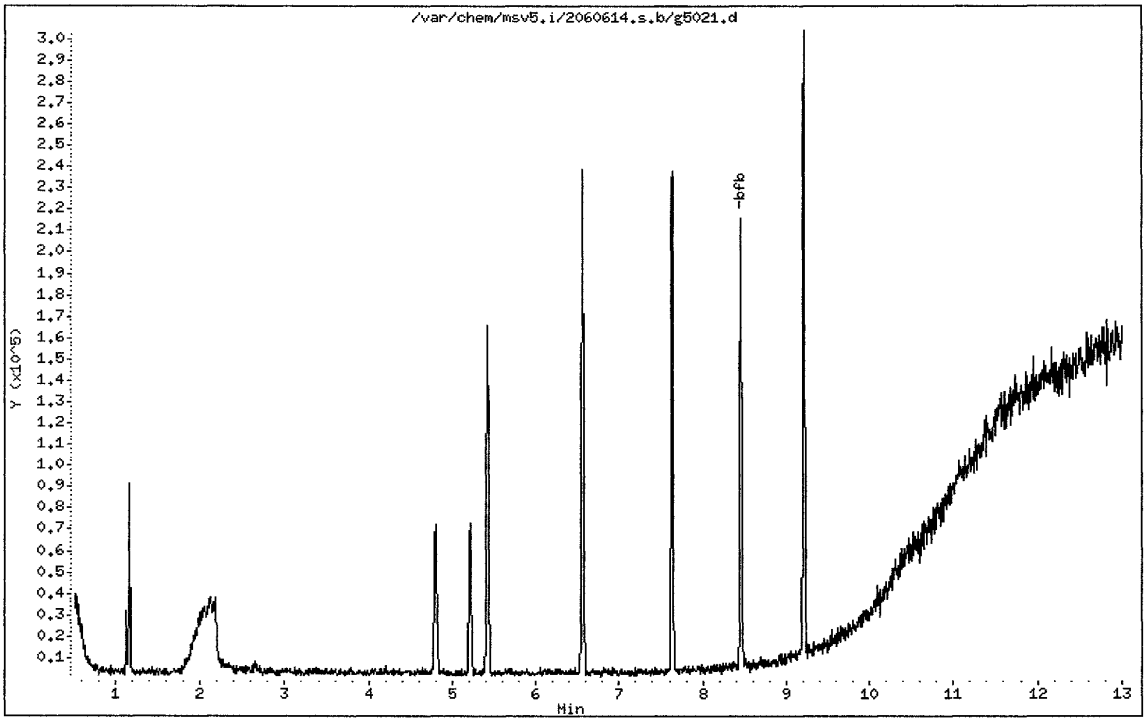
Instrument: msv5.i

Sample Info: 1000xV5BFB01

Operator: ABD

Column phase: DB-624-30M

Column diameter: 0.53



000303

166764

Data File: /var/chem/msv5.i/2060614.s.b/g5021.d

Date : 14-JUN-2006 06:14

Client ID: V5BFB01

Instrument: msv5.i

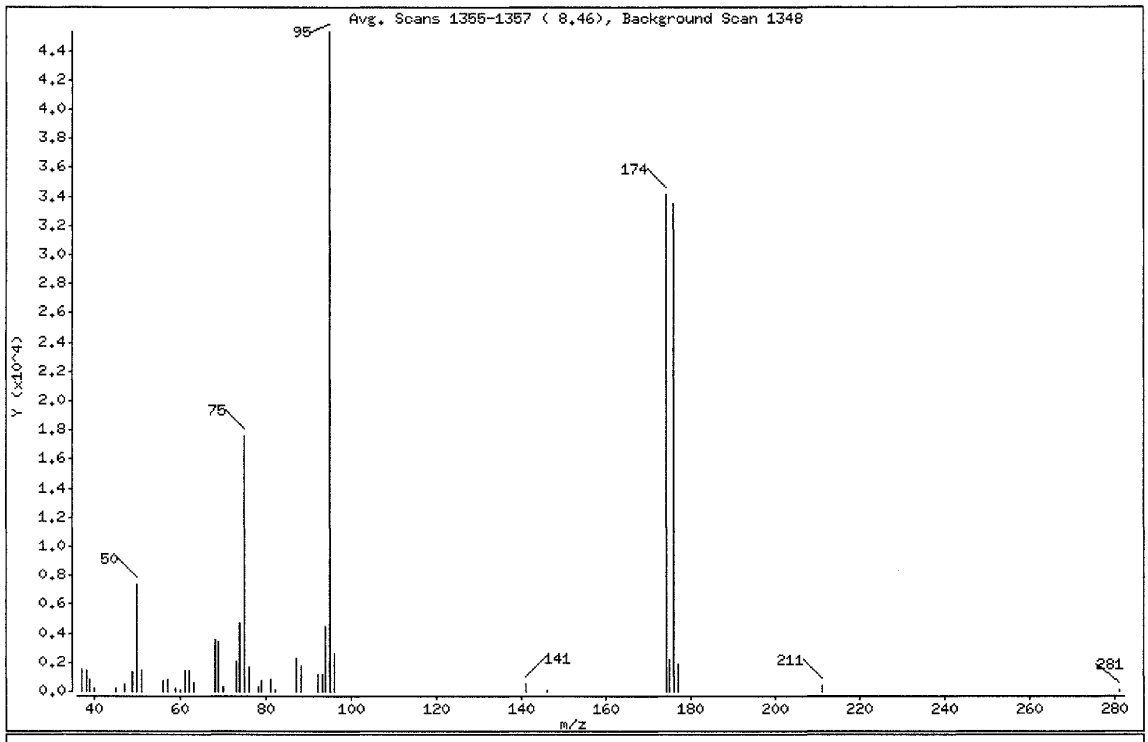
Sample Info: 1000xV5BFB01

Operator: ABD

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	16.32
75	30.00 - 60.00% of mass 95	38.79
96	5.00 - 9.00% of mass 95	5.63
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	75.41
175	5.00 - 9.00% of mass 174	4.79 (6.35)
176	95.00 - 101.00% of mass 174	74.11 (98.29)
177	5.00 - 9.00% of mass 176	4.18 (5.64)

Data File: /var/chem/msv5.i/2060614.s.b/g5021.d

Date : 14-JUN-2006 06:14

Client ID: V5BFB01 Instrument: msv5.i

Sample Info: 1000xV5BFB01

Operator: ABD

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

Data File: g5021.d
Spectrum: Avg. Scans 1355-1357 (8.46), Background Scan 1348
Location of Maximum: 95.00
Number of points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1561	59.00	185	76.00	1665	96.00	2554
38.00	1489	60.00	150	78.00	263	141.00	492
39.00	815	61.00	1469	79.00	738	146.00	155
40.00	169	62.00	1497	81.00	837	174.00	34176
45.00	229	63.00	620	82.00	148	175.00	2169
47.00	494	68.00	3562	87.00	2311	176.00	33592
49.00	1394	69.00	3442	88.00	1809	177.00	1893
50.00	7398	70.00	298	92.00	1099	211.00	452
51.00	1410	73.00	2042	93.00	1175	281.00	144
56.00	739	74.00	4713	94.00	4528		
57.00	840	75.00	17576	95.00	45320		

166766

GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5023.d
Lab Smp Id: 1206 Client Smp ID: V5STD002APP9
Inj Date : 14-JUN-2006 07:30
Operator : ABD Inst ID: msv5.i
Smp Info : 1206*V5STD002APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 07:30 Cal File: g5023.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4 1-3 Butadiene	39	1.671	1.671	(0.306)	8794	2.00000	2.00	6741(a)
9 Ethyl Ether	59	2.462	2.462	(0.451)	30359	10.0000	10.0	7985(a)
16 Allyl chloride	39	3.147	3.147	(0.576)	10469	2.00000	2.00	6367(a)
23 Acetonitrile	41	3.780	3.780	(0.692)	20953	10.0000	10.0	8869(a)
25 Isopropyl Ether	45	3.909	3.909	(0.716)	28758	2.00000	2.00	8449(a)
29 Chloroprene	53	3.985	3.985	(0.730)	12689	2.00000	2.00	7770(a)
146 Tetrahydrofuran	42	4.834	4.834	(0.885)	16642	10.0000	10.0	6241(A)
33 Ethyl Acetate	43	4.804	4.804	(0.880)	26911	10.0000	10.0	4263(a)
147 2-2-4 trimethyl Pentane	57	5.050	5.050	(0.925)	30916	2.00000	2.00	8337(aA)
34 Propionitrile	54	5.179	5.179	(0.948)	6893	10.0000	10.0	7775(a)
144 Methacrylonitrile	41	5.191	5.191	(0.951)	5904	2.00000	2.00	7294(aA)
* 47 FLUOROBENZENE	96	5.461	5.461	(1.000)	1004781	50.0000		
43 Isobutyl Alcohol	43	5.355	5.355	(0.981)	1404	10.0000	10.0	899(aH)
52 2-3 Dichloro-1-Proprene	75	5.941	5.941	(1.088)	15000	2.00000	2.00	8168(a)

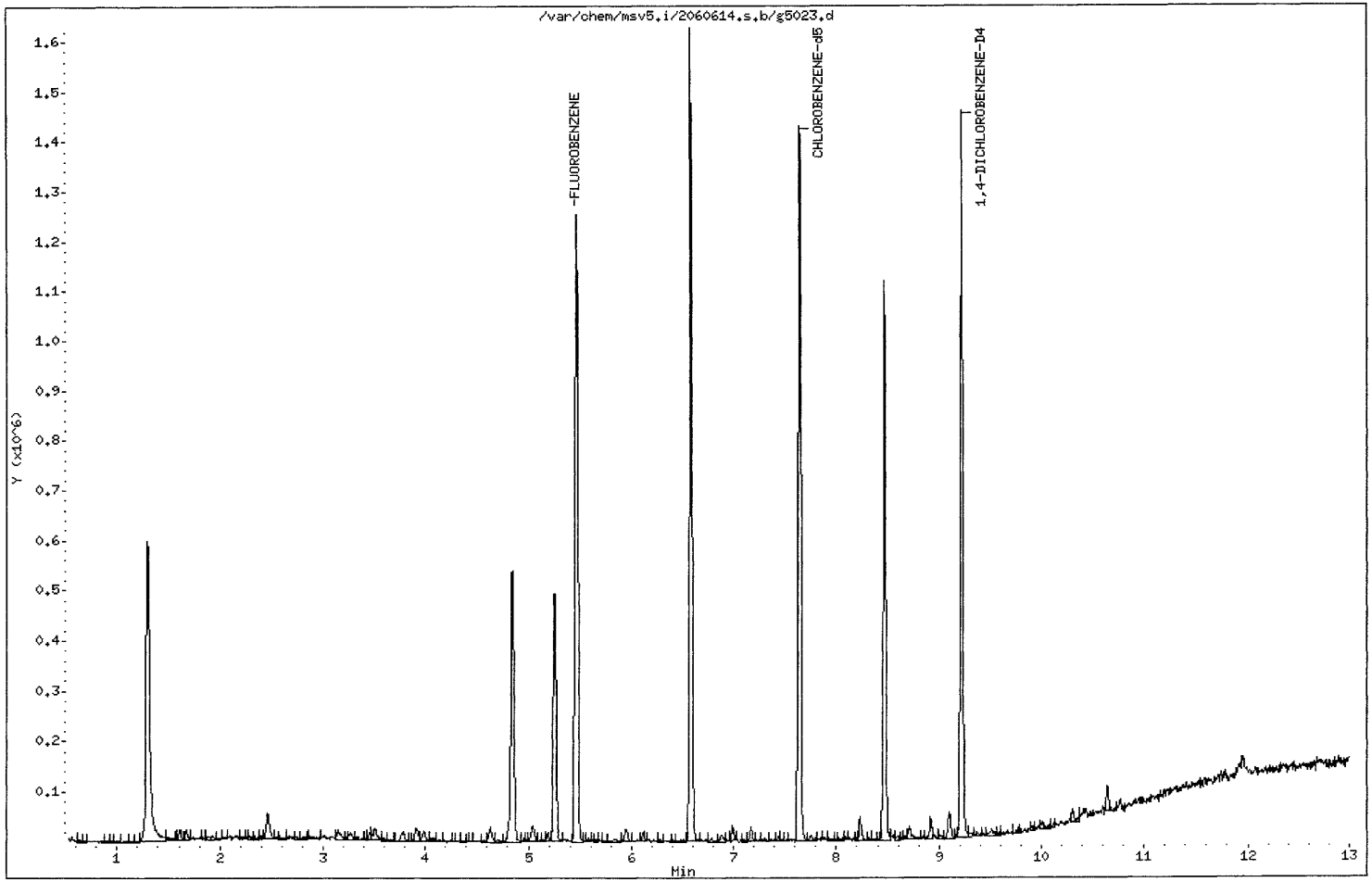
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
48 n-Butanol	56	5.841	5.841	(1.070)	1178	10.0000	10.0	1349(a)
62 Ethyl Methacrylate	41	6.995	6.995	(0.916)	10811	2.00000	2.00	2213(aM)
54 1,4- Dioxane	58	6.158	6.158	(1.128)	1116	50.0000	50.0	3250(a)
141 2-nitropropane	43	6.778	6.778	(1.241)	2569	2.00000	2.00	5396(aM)
53 Methyl Methacrylate	69	6.117	6.117	(1.120)	7026	2.00000	2.00	6964
142 1-nitropropane	43	7.434	7.434	(1.361)	5597	2.00000	2.00	6336(a)
* 70 CHLOROBENZENE-d5	82	7.640	7.640	(1.000)	437021	50.0000		
145 1,5 Cyclooctadiene	67	8.226	8.226	(1.506)	10314	2.00000	2.00	8941(aA)
79 Cyclohexanone	55	8.742	8.742	(1.144)	1587	4.00000		0(aM)
95 Pentachloroethane	167	8.918	8.918	(0.968)	7701	2.00000	2.00	8953(a)
148 Dicylopentadiene	66	9.100	9.100	(0.987)	44386	2.00000	2.00	9182(aA)
* 99 1,4-DICHLOROBENZENE-D4	152	9.217	9.217	(1.000)	384855	50.0000		
110 Benzal Chloride	125	10.310	10.310	(1.119)	10780	4.00000	4.00	6433(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv5.i/2060614.s.b/g5023.d
Date : 14-JUN-2006 07:30
Client ID: V5STD002APP9
Sample Info: 1206*V5STD002APP9
Purge Volume: 5.0
Column phase: DB-VRX-30M

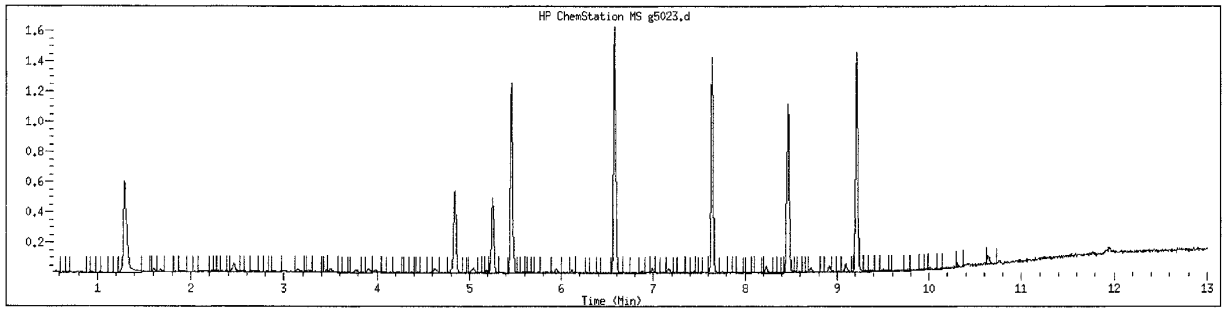
Instrument: msv5.i
Operator: ABD
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060614.s.b/g5023.d Page: 1
Report Date: 06/15/2006 10:16

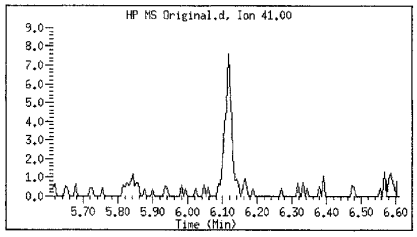
MANUAL INTEGRATION GRAPHIC REPORT

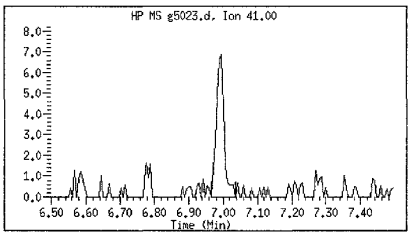
Lab ID : 1206 SampleType : CALIB_6
Injection Date: 14-JUN-2006 07:30 Instrument : msv5.i
Operator : ABD
Sample Info : 1206*V5STD002APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



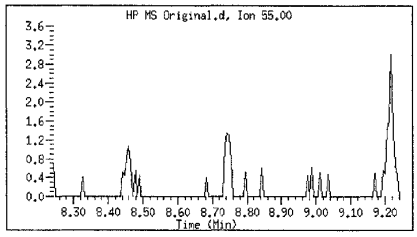
Original Final

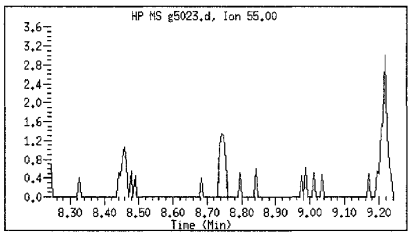
62 Ethyl Methacrylate CAS#: 97-63-2





79 Cyclohexanone CAS#: 108-94-1



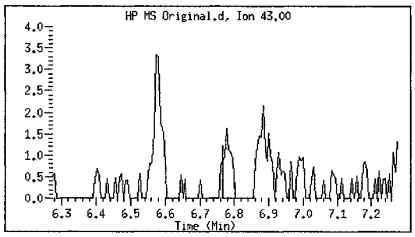


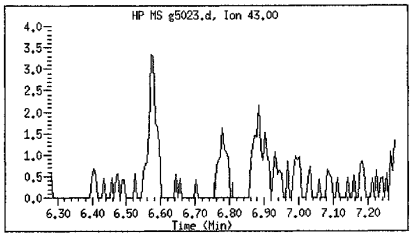
000309

166770

Original Final

141 2-nitropropane CAS#: 79-46-9





GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5025.d
Lab Smp Id: 1201 Client Smp ID: V5STD005APP9
Inj Date : 14-JUN-2006 08:30
Operator : ABD Inst ID: msv5.i
Smp Info : 1201*V5STD005APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 08:30 Cal File: g5025.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4 1-3 Butadiene	39	1.677	1.677	(0.307)	25712	5.00000	5.51	8640
9 Ethyl Ether	59	2.468	2.468	(0.452)	86820	25.0000	27.3	9318
155 sec-Butanol	45	4.875	4.875	(0.893)	1887	5.00000	5.00	4357
16 Allyl chloride	39	3.153	3.153	(0.577)	26513	5.00000	5.15	8288
23 Acetonitrile	41	3.780	3.780	(0.692)	35818	25.0000	25.0	8674
25 Isopropyl Ether	45	3.914	3.914	(0.717)	99266	5.00000	5.92	8847
29 Chloroprene	53	3.985	3.985	(0.730)	38042	5.00000	5.57	8862
146 Tetrahydrofuran	42	4.834	4.834	(0.885)	44289	25.0000	26.4	7266(A)
33 Ethyl Acetate	43	4.810	4.810	(0.881)	71660	25.0000	26.4	5588
147 2-2-4 trimethyl Pentane	57	5.039	5.039	(0.923)	103133	5.00000	5.83	9240(A)
34 Propionitrile	54	5.179	5.179	(0.948)	20953	25.0000	28.0	8691
144 Methacrylonitrile	41	5.191	5.191	(0.951)	17487	5.00000	5.54	8280(A)
* 47 FLUOROBENZENE	96	5.461	5.461	(1.000)	957237	50.0000		
43 Isobutyl Alcohol	43	5.338	5.338	(0.977)	4629	25.0000	25.0	1046(H)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
52 2-3 Dichloro-1-Proprene	75	5.947	5.947	(1.089)	48448	5.00000	5.76	9251
48 n-Butanol	56	5.835	5.835	(1.069)	4439	25.0000	30.6	1227(H)
62 Ethyl Methacrylate	41	6.111	6.111	(0.800)	27704	5.00000	5.24	8028
54 1,4- Dioxane	58	6.140	6.140	(1.124)	1880	125.000	125	5644
141 2-nitropropane	43	6.779	6.779	(1.241)	8697	5.00000	5.87	7785
53 Methyl Methacrylate	69	6.117	6.117	(1.120)	17631	5.00000	5.13	7731
142 1-nitropropane	43	7.282	7.282	(1.334)	6679	5.00000	5.00	7631
* 70 CHLOROBENZENE-d5	82	7.640	7.640	(1.000)	406680	50.0000		
145 1,5 Cyclooctadiene	67	8.232	8.232	(1.507)	43574	5.00000	5.00	9411(A)
79 Cyclohexanone	55	8.742	8.742	(1.144)	3082	10.0000	10.0	0(M)
95 Pentachloroethane	167	8.924	8.924	(0.969)	22264	5.00000	5.52	9102
148 Dicylopentadiene	66	9.100	9.100	(0.988)	145187	5.00000	5.82	9495(A)
* 99 1,4-DICHLOROBENZENE-D4	152	9.212	9.212	(1.000)	361087	50.0000		
110 Benzal Chloride	125	10.310	10.310	(1.119)	31761	10.0000	10.0	8343

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.

000313

Data File: /var/chem/msv5.i/2060614.s.b/g5025.d

Page 1

Date : 14-JUN-2006 08:30

Client ID: V5STD005APP9

Instrument: msv5.i

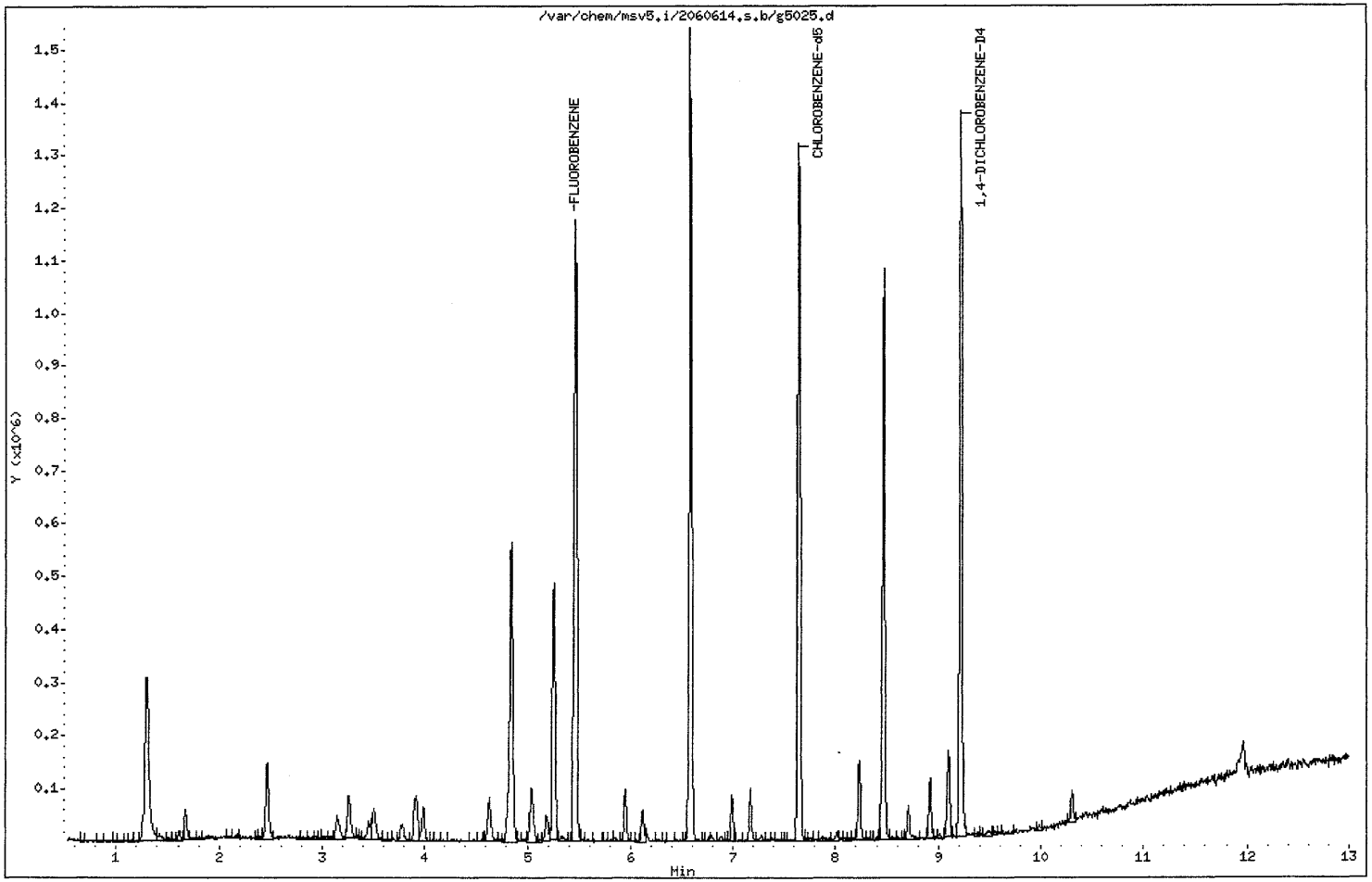
Sample Info: 1201*V5STD005APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-VRX-30M

Column diameter: 0.53

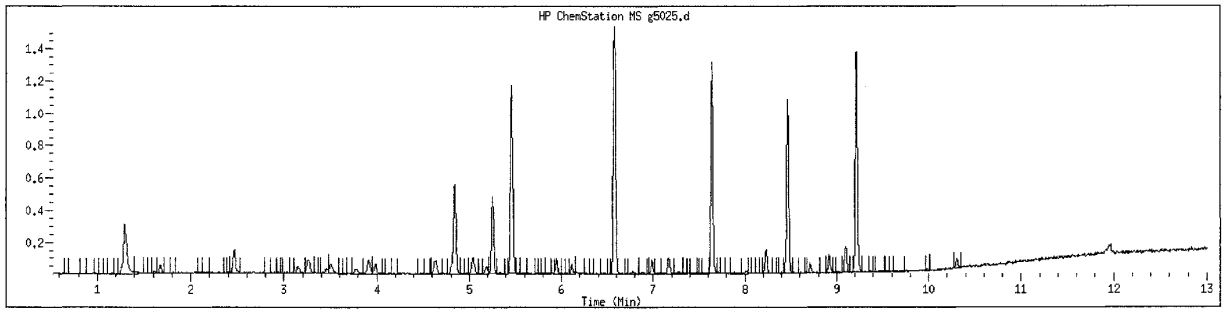


166774

Data file : /var/chem/msv5.i/2060614.s.b/g5025.d Page: 1
Report Date: 06/15/2006 10:16

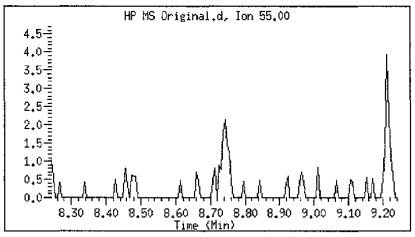
MANUAL INTEGRATION GRAPHIC REPORT

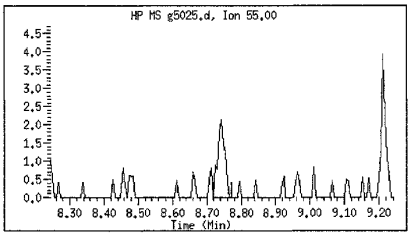
Lab ID : 1201 SampleType : CALIB_1
Injection Date: 14-JUN-2006 08:30 Instrument : msv5.i
Operator : ABD
Sample Info : 1201*V5STD005APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

79 Cyclohexanone CAS#: 108-94-1





000314

166775

GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5026.d
Lab Smp Id: 1208 Client Smp ID: V5STD010APP9
Inj Date : 14-JUN-2006 08:56
Operator : ABD Inst ID: msv5.i
Smp Info : 1208*V5STD010APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 08:56 Cal File: g5026.d
Als bottle: 4 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4 1-3 Butadiene	39	1.677	1.677	(0.307)	41448	10.0000	9.24	9245
9 Ethyl Ether	59	2.462	2.462	(0.451)	179739	50.0000	54.2	9603
155 sec-Butanol	45	4.869	4.869	(0.892)	2988	10.0000	8.84	4561
16 Allyl chloride	39	3.147	3.147	(0.576)	54576	10.0000	10.4	9204
23 Acetonitrile	41	3.780	3.780	(0.692)	53231	50.0000	48.7	9148
25 Isopropyl Ether	45	3.909	3.909	(0.716)	186864	10.0000	10.7	9398
29 Chloroprene	53	3.985	3.985	(0.730)	78467	10.0000	11.0	8836
146 Tetrahydrofuran	42	4.834	4.834	(0.885)	92289	50.0000	53.3	8307(A)
33 Ethyl Acetate	43	4.811	4.811	(0.881)	159259	50.0000	55.5	5161
147 2-2-4 trimethyl Pentane	57	5.045	5.045	(0.924)	187927	10.0000	10.4	9535(A)
34 Propionitrile	54	5.180	5.180	(0.948)	42495	50.0000	54.4	8550
144 Methacrylonitrile	41	5.186	5.186	(0.950)	39047	10.0000	11.5	8150(A)
* 47 FLUOROBENZENE	96	5.461	5.461	(1.000)	955970	50.0000		
43 Isobutyl Alcohol	43	5.332	5.332	(0.976)	14351	50.0000	50.0	1689(H)

000315

166776

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
52	2-3 Dichloro-1-Proprene	75	5.948	5.948	(1.089)	90032	10.0000	10.5	9283
48	n-Butanol	56	5.842	5.842	(1.070)	7981	50.0000	53.3	1930(H)
62	Ethyl Methacrylate	41	6.112	6.112	(0.800)	60948	10.0000	11.1	8670
54	1,4- Dioxane	58	6.153	6.153	(1.127)	11489	250.000	250	3412
141	2-nitropropane	43	6.779	6.779	(1.241)	16156	10.0000	10.6	8966
53	Methyl Methacrylate	69	6.117	6.117	(1.120)	42395	10.0000	11.5	8098
142	1-nitropropane	43	7.278	7.278	(1.333)	10664	10.0000	10.2	7791
* 70	CHLOROBENZENE-d5	82	7.641	7.641	(1.000)	399290	50.0000		
145	1,5 Cyclooctadiene	67	8.227	8.227	(1.506)	78817	10.0000	9.70	9330(A)
79	Cyclohexanone	55	8.743	8.743	(1.144)	5478	20.0000	19.0	5391
95	Pentachloroethane	167	8.919	8.919	(0.968)	40378	10.0000	10.5	9235
148	Dicylopentadiene	66	9.101	9.101	(0.987)	276945	10.0000	11.2	9456(A)
* 99	1,4-DICHLOROBENZENE-D4	152	9.219	9.219	(1.000)	334623	50.0000		
110	Benzal Chloride	125	10.311	10.311	(1.119)	26041	20.0000	20.0	7890

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

166777

Data File: /var/chem/msv5.i/2060614.s.b/g5026.d

Page 1

Date : 14-JUN-2006 08:56

Client ID: V5STD010APP9

Instrument: msv5.i

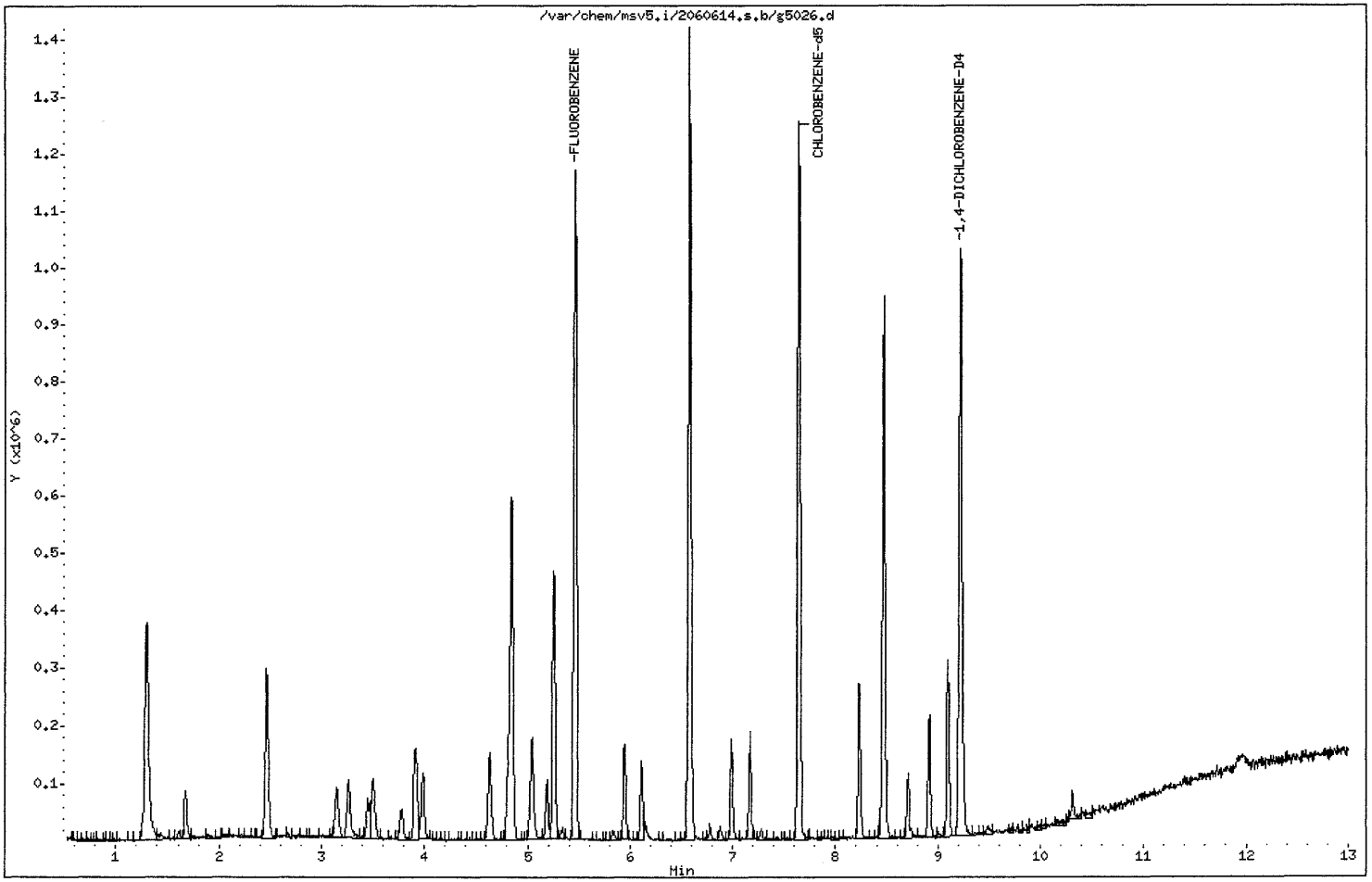
Sample Info: 1208*V5STD010APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-VRX-30M

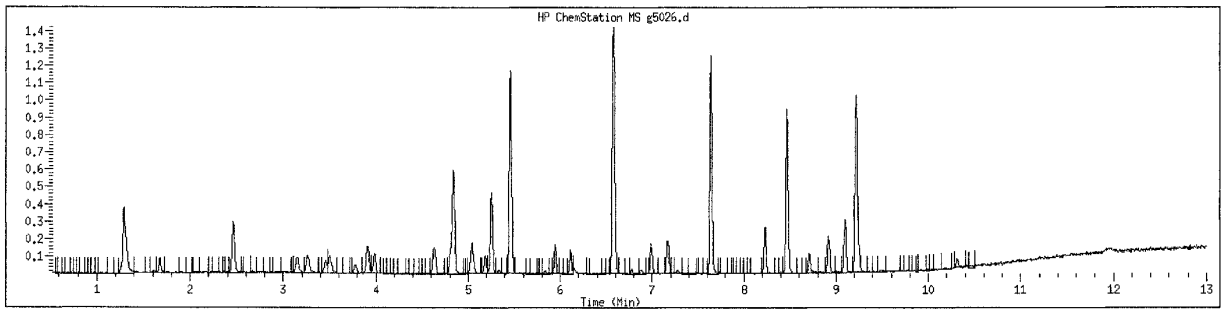
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060614.s.b/g5026.d Page: 1
Report Date: 06/15/2006 10:16

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1208 SampleType : CALIB_8
Injection Date: 14-JUN-2006 08:56 Instrument : msv5.i
Operator : ABD
Sample Info : 1208*V5STD010APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



NO MANUAL INTEGRATIONS

000318

166779

GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5027.d
Lab Smp Id: 1202 Client Smp ID: V5STD020APP9
Inj Date : 14-JUN-2006 09:23
Operator : ABD Inst ID: msv5.i
Smp Info : 1202*V5STD020APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 09:23 Cal File: g5027.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4 1-3 Butadiene	39	1.671	1.671	(0.306)	99912	20.0000	22.3	9739
9 Ethyl Ether	59	2.462	2.462	(0.451)	335895	100.000	104	9657
155 sec-Butanol	45	4.870	4.870	(0.893)	8075	20.0000	23.0	4698
16 Allyl chloride	39	3.141	3.141	(0.576)	96357	20.0000	19.3	9561
23 Acetonitrile	41	3.774	3.774	(0.692)	99261	100.000	101	8787
25 Isopropyl Ether	45	3.909	3.909	(0.716)	413718	20.0000	23.4	9212
29 Chloroprene	53	3.985	3.985	(0.730)	153797	20.0000	21.7	8769
146 Tetrahydrofuran	42	4.823	4.823	(0.884)	179071	100.000	106	7140(A)
33 Ethyl Acetate	43	4.805	4.805	(0.881)	316277	100.000	111	4397
147 2-2-4 trimethyl Pentane	57	5.040	5.040	(0.924)	423399	20.0000	23.2	9406(A)
34 Propionitrile	54	5.180	5.180	(0.949)	85962	100.000	111	8306
144 Methacrylonitrile	41	5.192	5.192	(0.952)	81253	20.0000	23.4	8960(A)
* 47 FLUOROBENZENE	96	5.456	5.456	(1.000)	918283	50.0000		
43 Isobutyl Alcohol	43	4.623	4.623	(0.847)	21614	100.000	99.0	2115

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
52	2-3 Dichloro-1-Proprene	75	5.948	5.948	(1.090)	193864	20.0000	22.5	9671
48	n-Butanol	56	5.837	5.837	(1.070)	16319	100.000	110	2400(H)
62	Ethyl Methacrylate	41	6.112	6.112	(0.800)	118057	20.0000	21.6	8508
54	1,4- Dioxane	58	6.153	6.153	(1.128)	25419	500.000	499	3112(M)
141	2-nitropropane	43	6.774	6.774	(1.242)	33138	20.0000	21.9	8995
53	Methyl Methacrylate	69	6.112	6.112	(1.120)	88854	20.0000	23.5	8018
142	1-nitropropane	43	7.279	7.279	(1.334)	22845	20.0000	20.5	7958
* 70	CHLOROBENZENE-d5	82	7.642	7.642	(1.000)	386964	50.0000		
145	1,5 Cyclooctadiene	67	8.228	8.228	(1.508)	176970	20.0000	20.2	9587(A)
79	Cyclohexanone	55	8.745	8.745	(1.144)	9686	40.0000	36.3	5528
95	Pentachloroethane	167	8.915	8.915	(0.967)	79839	20.0000	20.8	9592
148	Dicylopentadiene	66	9.097	9.097	(0.987)	599907	20.0000	23.3	9597(A)
* 99	1,4-DICHLOROBENZENE-D4	152	9.221	9.221	(1.000)	329883	50.0000		
110	Benzal Chloride	125	10.307	10.307	(1.118)	80741	40.0000	39.9	8680

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.

000321

Data File: /var/chem/msv5.i/2060614.s.b/g5027.d

Page 1

Date : 14-JUN-2006 09:23

Client ID: V5STD020APP9

Instrument: msv5.i

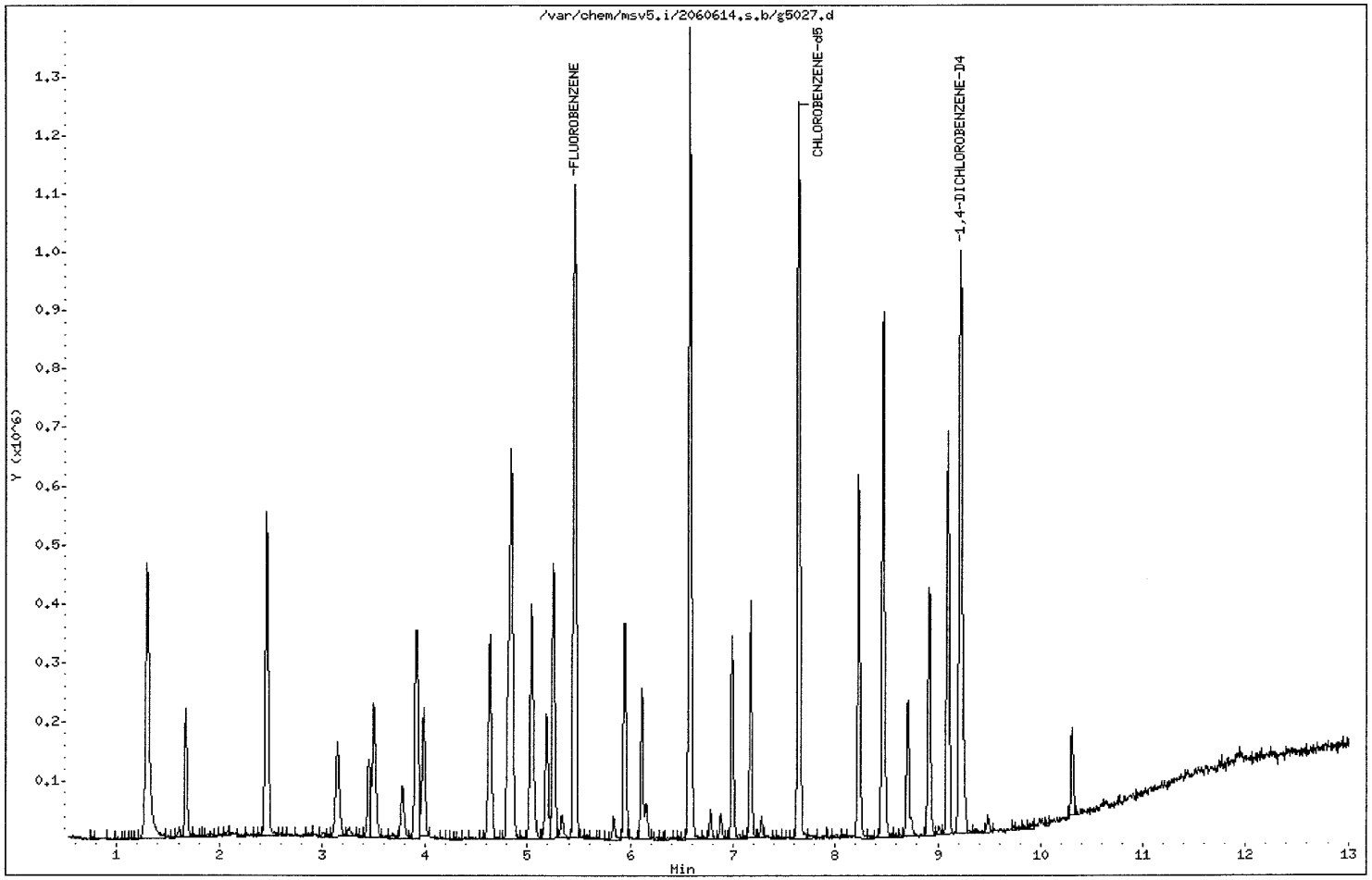
Sample Info: 1202*V5STD020APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-VRX-30M

Column diameter: 0.53

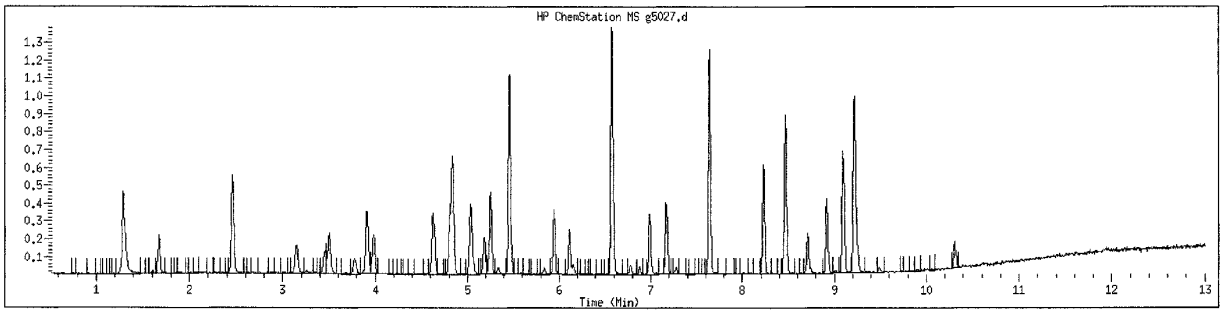


166782

Data file : /var/chem/msv5.i/2060614.s.b/g5027.d Page: 1
Report Date: 06/15/2006 10:16

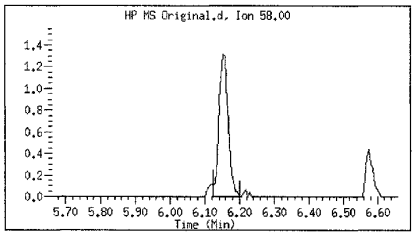
MANUAL INTEGRATION GRAPHIC REPORT

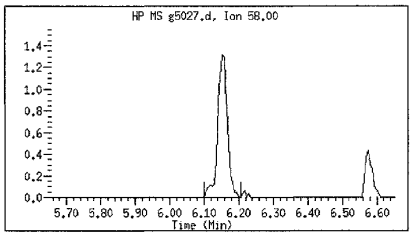
Lab ID : 1202 SampleType : CALIB_2
Injection Date: 14-JUN-2006 09:23 Instrument : msv5.i
Operator : ABD
Sample Info : 1202*V5STD020APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

54 1,4- Dioxane CAS#: 123-91-1





000322

166783

GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5028.d
Lab Smp Id: 1203 Client Smp ID: V5STD050APP9
Inj Date : 14-JUN-2006 09:48
Operator : ABD Inst ID: msv5.i
Smp Info : 1203*V5STD050APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 09:48 Cal File: g5028.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4	1-3 Butadiene	39	1.671	1.671	(0.306)	206112	50.0000	46.7	0(M)
9	Ethyl Ether	59	2.462	2.462	(0.451)	715351	250.000	226	3296(M)
155	sec-Butanol	45	4.876	4.876	(0.894)	15547	50.0000	45.5	3230(MH)
16	Allyl chloride	39	3.142	3.142	(0.576)	234893	50.0000	47.6	0(M)
23	Acetonitrile	41	3.774	3.774	(0.692)	210342	250.000	247	8542(H)
25	Isopropyl Ether	45	3.909	3.909	(0.716)	777396	50.0000	44.9	9357
29	Chloroprene	53	3.980	3.980	(0.729)	365728	50.0000	51.2	8743
146	Tetrahydrofuran	42	4.829	4.829	(0.885)	388386	250.000	233	6691(A)
33	Ethyl Acetate	43	4.806	4.806	(0.881)	655786	250.000	233	4491
147	2-2-4 trimethyl Pentane	57	5.035	5.035	(0.923)	819638	50.0000	45.7	9533(A)
34	Propionitrile	54	5.181	5.181	(0.949)	198039	250.000	253	8480
144	Methacrylonitrile	41	5.187	5.187	(0.951)	151537	50.0000	44.8	8253(AH)
* 47	FLUOROBENZENE	96	5.457	5.457	(1.000)	920254	50.0000		
43	Isobutyl Alcohol	43	5.346	5.346	(0.980)	53307	250.000	250	1516(H)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
52	2-3 Dichloro-1-Proprene	75	5.943	5.943	(1.089)	377916	50.0000	44.9	9548
48	n-Butanol	56	5.844	5.844	(1.071)	37291	250.000	250	2752(MH)
62	Ethyl Methacrylate	41	6.987	6.987	(0.915)	269177	50.0000	50.2	7243(M)
54	1,4- Dioxane	58	6.149	6.149	(1.127)	50529	1250.00	1250	3523(M)
141	2-nitropropane	43	6.776	6.776	(1.242)	63327	50.0000	43.2	8853(M)
53	Methyl Methacrylate	69	6.113	6.113	(1.120)	177243	50.0000	47.4	2523(M)
142	1-nitropropane	43	7.280	7.280	(1.334)	45644	50.0000	48.9	6581(M)
* 70	CHLOROBENZENE-d5	82	7.638	7.638	(1.000)	379311	50.0000		
145	1,5 Cyclooctadiene	67	8.230	8.230	(1.508)	353458	50.0000	48.2	3456(AM)
79	Cyclohexanone	55	8.741	8.741	(1.144)	28189	100.000	106	5489(M)
95	Pentachloroethane	167	8.917	8.917	(0.967)	185773	50.0000	49.3	0(M)
148	Dicylopentadiene	66	9.099	9.099	(0.987)	1220519	50.0000	48.5	9633(A)
* 99	1,4-DICHLOROBENZENE-D4	152	9.223	9.223	(1.000)	325553	50.0000		
110	Benzal Chloride	125	10.310	10.310	(1.118)	182693	100.000	99.9	0(M)

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.

Data File: /var/chem/msv5.i/2060614.s.b/g5028.d

Page 1

Date : 14-JUN-2006 09:48

Client ID: V5STD050APP9

Instrument: msv5.i

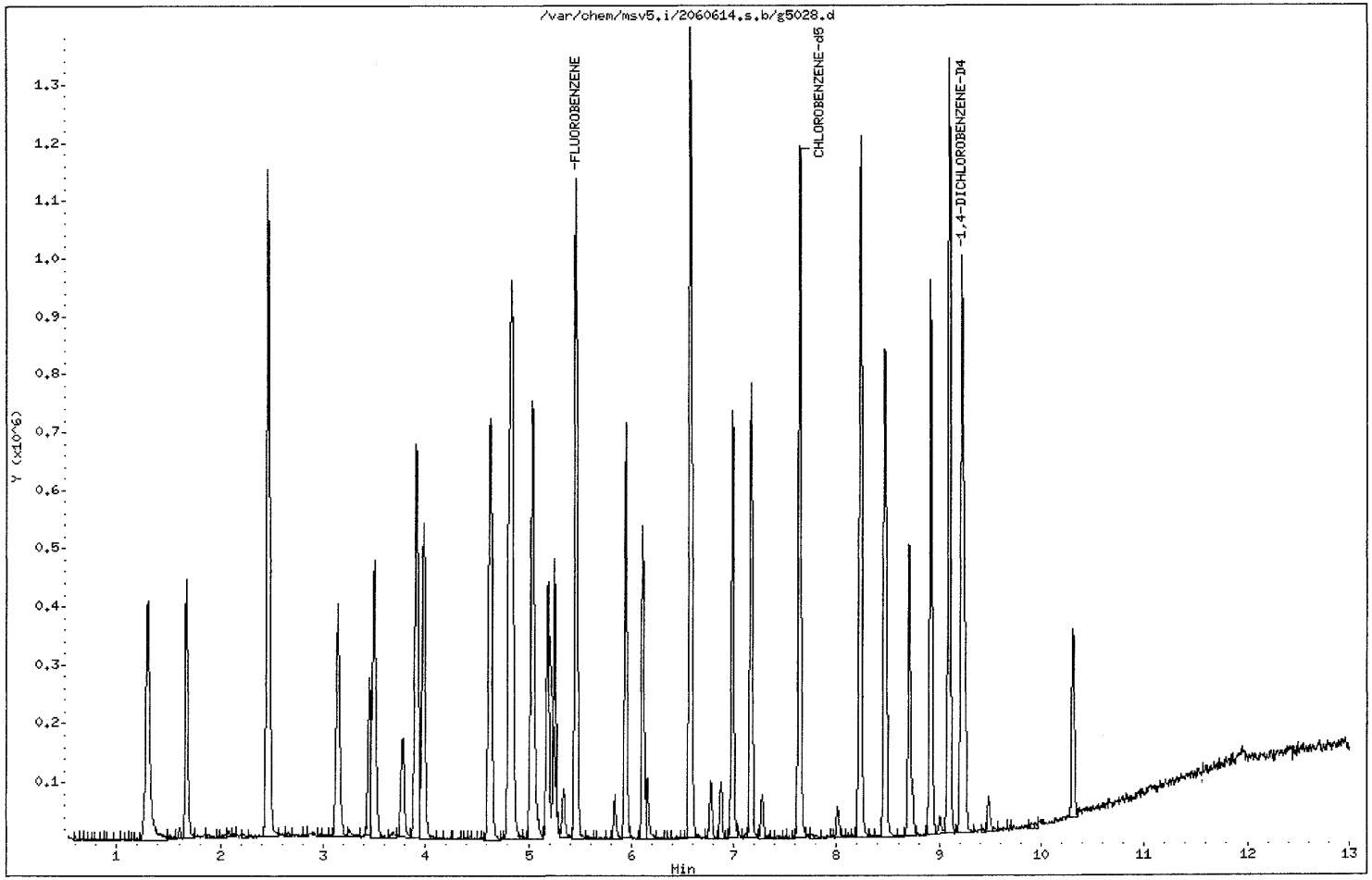
Sample Info: 1203*V5STD050APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-VRX-30M

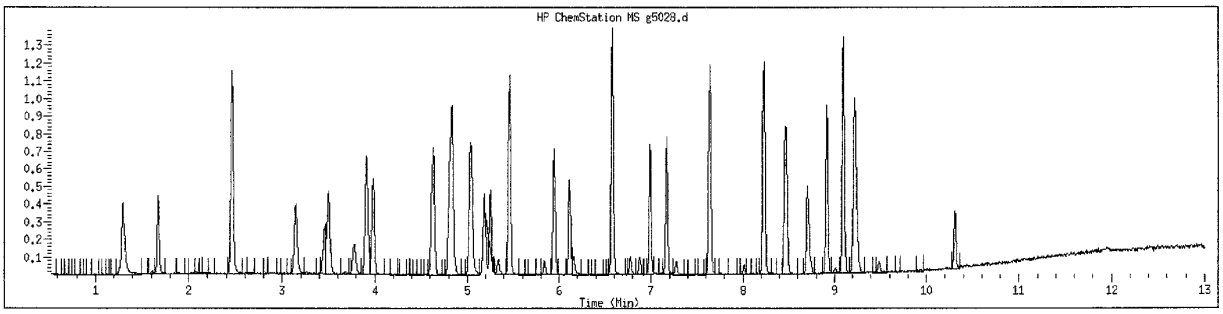
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060614.s.b/g5028.d Page: 1
Report Date: 06/15/2006 10:16

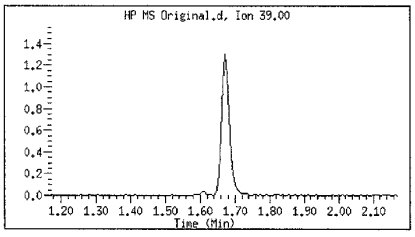
MANUAL INTEGRATION GRAPHIC REPORT

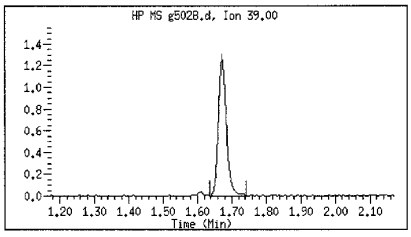
Lab ID : 1203 SampleType : CALIB_3
Injection Date: 14-JUN-2006 09:48 Instrument : msv5.i
Operator : ABD
Sample Info : 1203*V5STD050APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



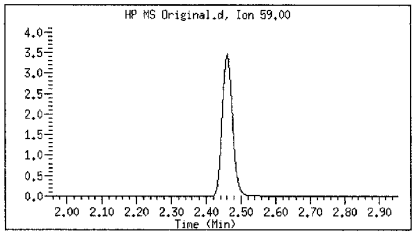
Original Final

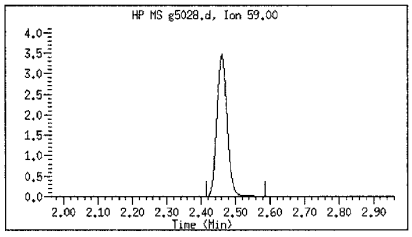
4 1-3 Butadiene CAS#: 106-99-0





9 Ethyl Ether CAS#: 60-29-7





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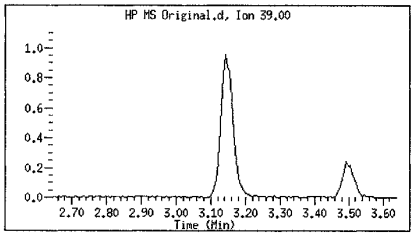
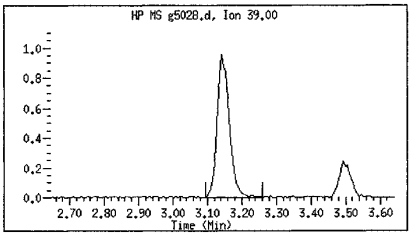
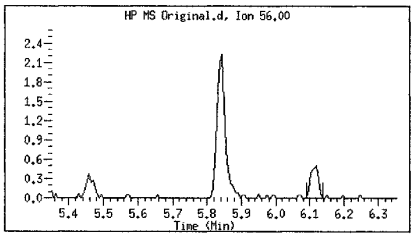
Original Final

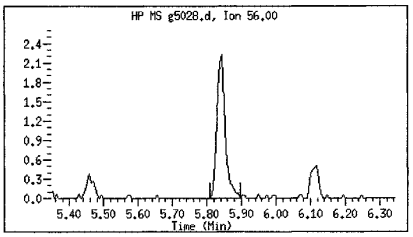
16 Allyl chloride CAS#: 107-05-1



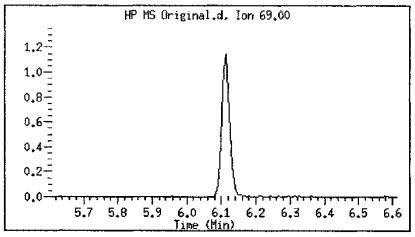


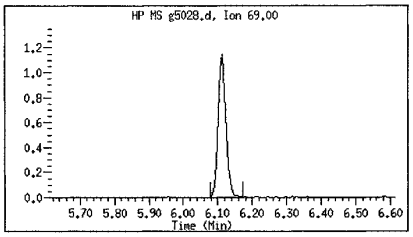
48 n-Butanol CAS#: 71-36-3



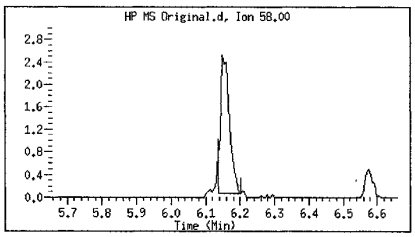


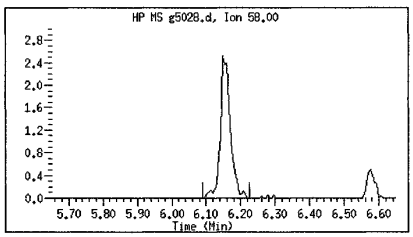
53 Methyl Methacrylate CAS#: 80-62-6



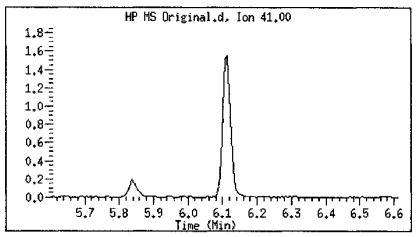


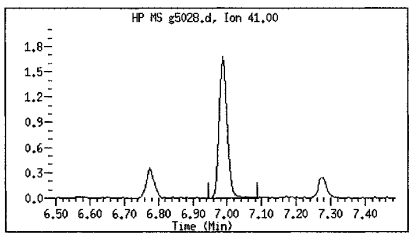
54 1,4- Dioxane CAS#: 123-91-1





62 Ethyl Methacrylate CAS#: 97-63-2





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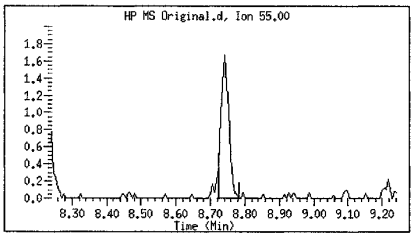
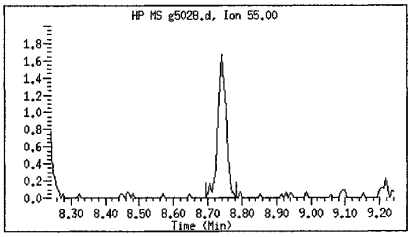
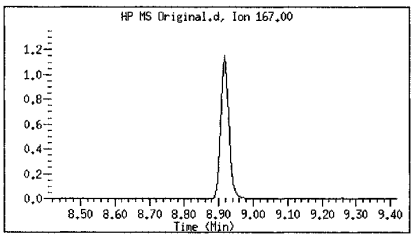
Original Final

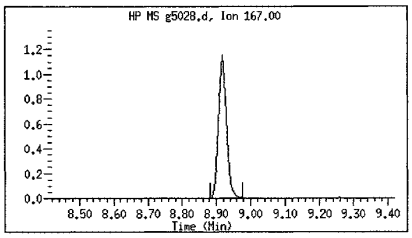
79 Cyclohexanone CAS#: 108-94-1



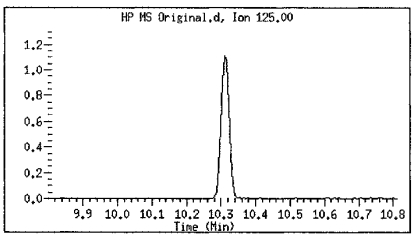


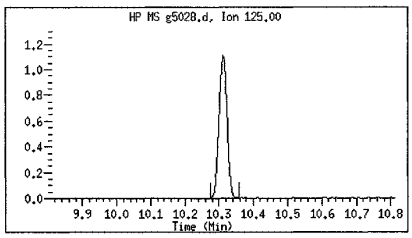
95 Pentachloroethane CAS#: 76-01-7



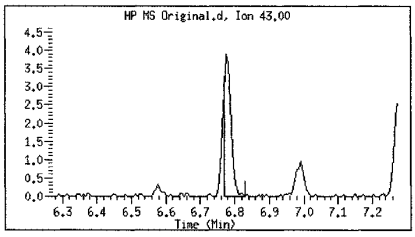


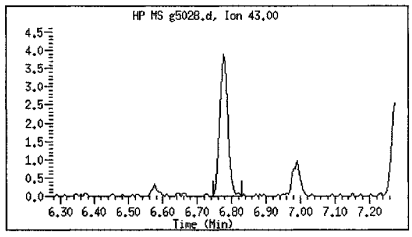
110 Benzal Chloride CAS#: 98-87-3



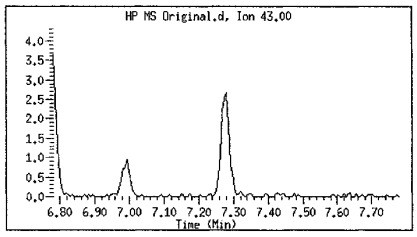


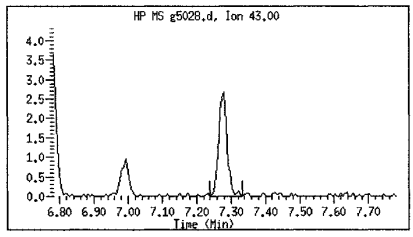
141 2-nitropropane CAS#: 79-46-9





142 1-nitropropane CAS#: 108-03-2





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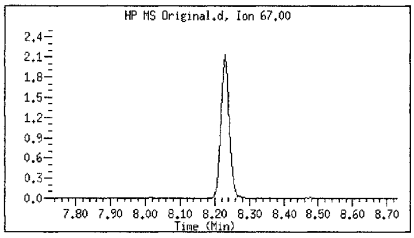
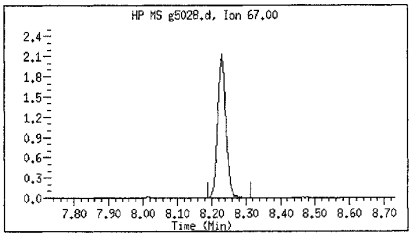
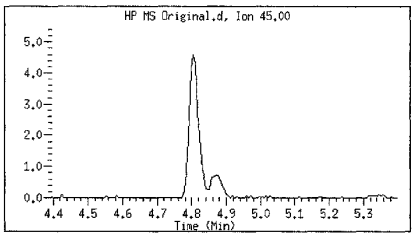
Original Final

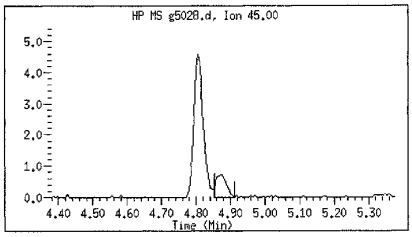
145 1,5 Cyclooctadiene CAS#: 111-78-4





155 sec-Butanol CAS#: 78-92-2





GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5029.d
Lab Smp Id: 1204 Client Smp ID: V5STD100APP9
Inj Date : 14-JUN-2006 10:15
Operator : ABD Inst ID: msv5.i
Smp Info : 1204*V5STD100APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 10:15 Cal File: g5029.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4 1-3 Butadiene	39	1.671	1.671	(0.306)	467548	100.000	104	9446
9 Ethyl Ether	59	2.456	2.456	(0.450)	1408615	500.000	450	9786
155 sec-Butanol	45	4.883	4.883	(0.895)	36496	100.000	105	5540
16 Allyl chloride	39	3.148	3.148	(0.577)	481079	100.000	97.2	9490
23 Acetonitrile	41	3.775	3.775	(0.692)	393226	500.000	495	8454
25 Isopropyl Ether	45	3.910	3.910	(0.716)	1652926	100.000	95.5	9344
29 Chloroprene	53	3.980	3.980	(0.729)	736162	100.000	102	8667
146 Tetrahydrofuran	42	4.824	4.824	(0.884)	809213	500.000	483	5693(A)
33 Ethyl Acetate	43	4.807	4.807	(0.881)	1306671	500.000	466	4692
147 2-2-4 trimethyl Pentane	57	5.036	5.036	(0.923)	1883911	100.000	103	9480(A)
34 Propionitrile	54	5.182	5.182	(0.949)	387225	500.000	493	8008
144 Methacrylonitrile	41	5.188	5.188	(0.951)	326886	100.000	96.4	8524(A)
* 47 FLUOROBENZENE	96	5.458	5.458	(1.000)	928197	50.0000		
43 Isobutyl Alcohol	43	5.347	5.347	(0.980)	111931	500.000	501	1185(MH)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
52 2-3 Dichloro-1-Proprene	75	5.945	5.945	(1.089)	835851	100.000	98.6	9458
48 n-Butanol	56	5.845	5.845	(1.071)	75081	500.000	500	2124(H)
62 Ethyl Methacrylate	41	6.115	6.115	(0.800)	528042	100.000	102	8344
54 1,4- Dioxane	58	6.156	6.156	(1.128)	108144	2500.00	2510	3166
141 2-nitropropane	43	6.778	6.778	(1.242)	139083	100.000	95.0	8884
53 Methyl Methacrylate	69	6.115	6.115	(1.120)	375425	100.000	99.7	7945
142 1-nitropropane	43	7.277	7.277	(1.333)	96989	100.000	101	8197
* 70 CHLOROBENZENE-d5	82	7.640	7.640	(1.000)	365012	50.0000		
145 1,5 Cyclooctadiene	67	8.227	8.227	(1.507)	761240	100.000	101	9647(A)
79 Cyclohexanone	55	8.938	8.938	(1.170)	24732	200.000	107	6306
95 Pentachloroethane	167	8.920	8.920	(0.967)	395897	100.000	104	9571
148 Dicylopentadiene	66	9.097	9.097	(0.987)	2637727	100.000	103	9704(A)
* 99 1,4-DICHLOROBENZENE-D4	152	9.221	9.221	(1.000)	327597	50.0000		
110 Benzal Chloride	125	10.308	10.308	(1.118)	493661	200.000	200	8741

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.

Data File: /var/chem/msv5.i/2060614.s.b/g5029.d

Page 1

Date : 14-JUN-2006 10:15

Client ID: V5STD100APP9

Instrument: msv5.i

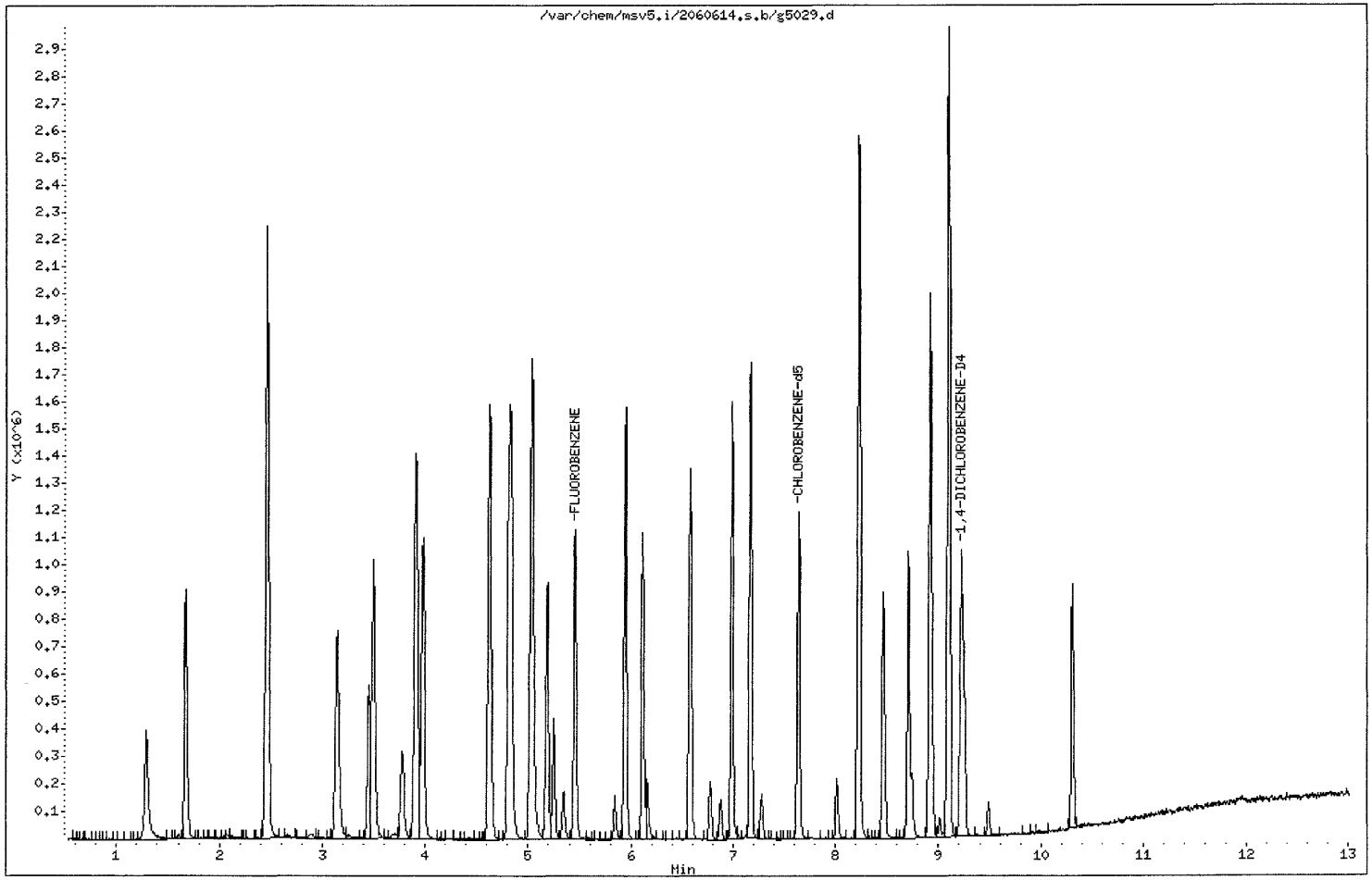
Sample Info: 1204*V5STD100APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-VRX-30M

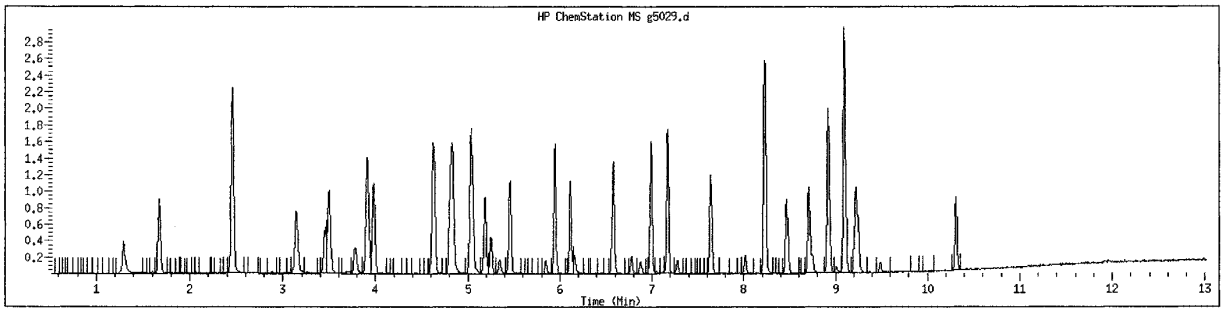
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060614.s.b/g5029.d Page: 1
Report Date: 06/15/2006 10:16

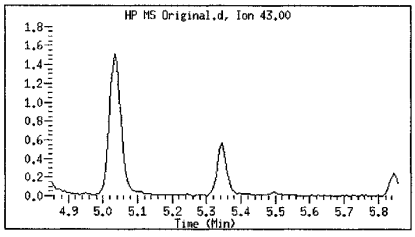
MANUAL INTEGRATION GRAPHIC REPORT

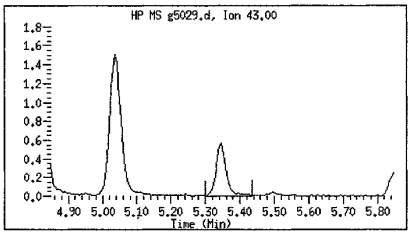
Lab ID : 1204 SampleType : CALIB_4
Injection Date: 14-JUN-2006 10:15 Instrument : msv5.i
Operator : ABD
Sample Info : 1204*V5STD100APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

43 Isobutyl Alcohol CAS#: 78-83-1





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GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5030.d
Lab Smp Id: 1205 Client Smp ID: V5STD200APP9
Inj Date : 14-JUN-2006 10:47
Operator : ABD Inst ID: msv5.i
Smp Info : 1205*V5STD200APP9
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Meth Date : 15-Jun-2006 10:16 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 10:47 Cal File: g5030.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
4	1-3 Butadiene	39	1.671	1.671	(1.000)	1144722	200.000	243	9439(A)
9	Ethyl Ether	59	2.457	2.457	(1.000)	2651473	1000.00	858	9809
155	sec-Butanol	45	4.896	4.896	(1.000)	69690	200.000	198	5573
16	Allyl chloride	39	3.142	3.142	(1.000)	1006648	200.000	201	9325(A)
23	Acetonitrile	41	3.782	3.782	(1.000)	768029	1000.00	995	8451
25	Isopropyl Ether	45	3.911	3.911	(1.000)	3577863	200.000	204	9351(A)
29	Chloroprene	53	3.975	3.975	(1.000)	1525588	200.000	207	8705(A)
146	Tetrahydrofuran	42	4.826	4.826	(1.000)	1428806	1000.00	863	5262(A)
33	Ethyl Acetate	43	4.808	4.808	(1.000)	2500132	1000.00	897	4709
147	2-2-4 trimethyl Pentane	57	5.037	5.037	(1.000)	4171101	200.000	222	9580(A)
34	Propionitrile	54	5.178	5.178	(1.000)	770278	1000.00	973	8272
144	Methacrylonitrile	41	5.190	5.190	(1.000)	702697	200.000	204	8701(A)
* 47	FLUOROBENZENE	96	5.454	5.454	(1.000)	939309	50.0000		(M)
43	Isobutyl Alcohol	43	5.354	5.354	(1.000)	197118	1000.00	997	1575

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
52	2-3 Dichloro-1-Proprene	75	5.947	5.947	(1.000)	1810287	200.000	209	9509(A)
48	n-Butanol	56	5.853	5.853	(1.000)	140189	1000.00	932	1990(H)
62	Ethyl Methacrylate	41	6.111	6.111	(0.800)	1009018	200.000	180	8413
54	1,4- Dioxane	58	6.158	6.158	(1.000)	192777	5000.00	4990	3130
141	2-nitropropane	43	6.774	6.774	(1.000)	315289	200.000	211	8695(A)
53	Methyl Methacrylate	69	6.111	6.111	(1.000)	763533	200.000	200	7988
142	1-nitropropane	43	7.280	7.280	(1.000)	199566	200.000	201	8156(A)
* 70	CHLOROBENZENE-d5	82	7.643	7.643	(1.000)	402616	50.0000		
145	1,5 Cyclooctadiene	67	8.230	8.230	(1.000)	1715948	200.000	204	9632(A)
79	Cyclohexanone	55	8.741	8.741	(1.144)	80968	400.000	330	5728
95	Pentachloroethane	167	8.918	8.918	(0.967)	813655	200.000	204	9586(A)
148	Dicylopentadiene	66	9.101	9.101	(0.987)	5613424	200.000	210	9749(A)
* 99	1,4-DICHLOROBENZENE-D4	152	9.218	9.218	(1.000)	340816	50.0000		
110	Benzal Chloride	125	10.312	10.312	(1.119)	1147986	400.000	399	8662

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.

000336

Data File: /var/chem/msv5.i/2060614.s.b/g5030.d

Page 1

Date : 14-JUN-2006 10:47

Client ID: V5STD200APP9

Instrument: msv5.i

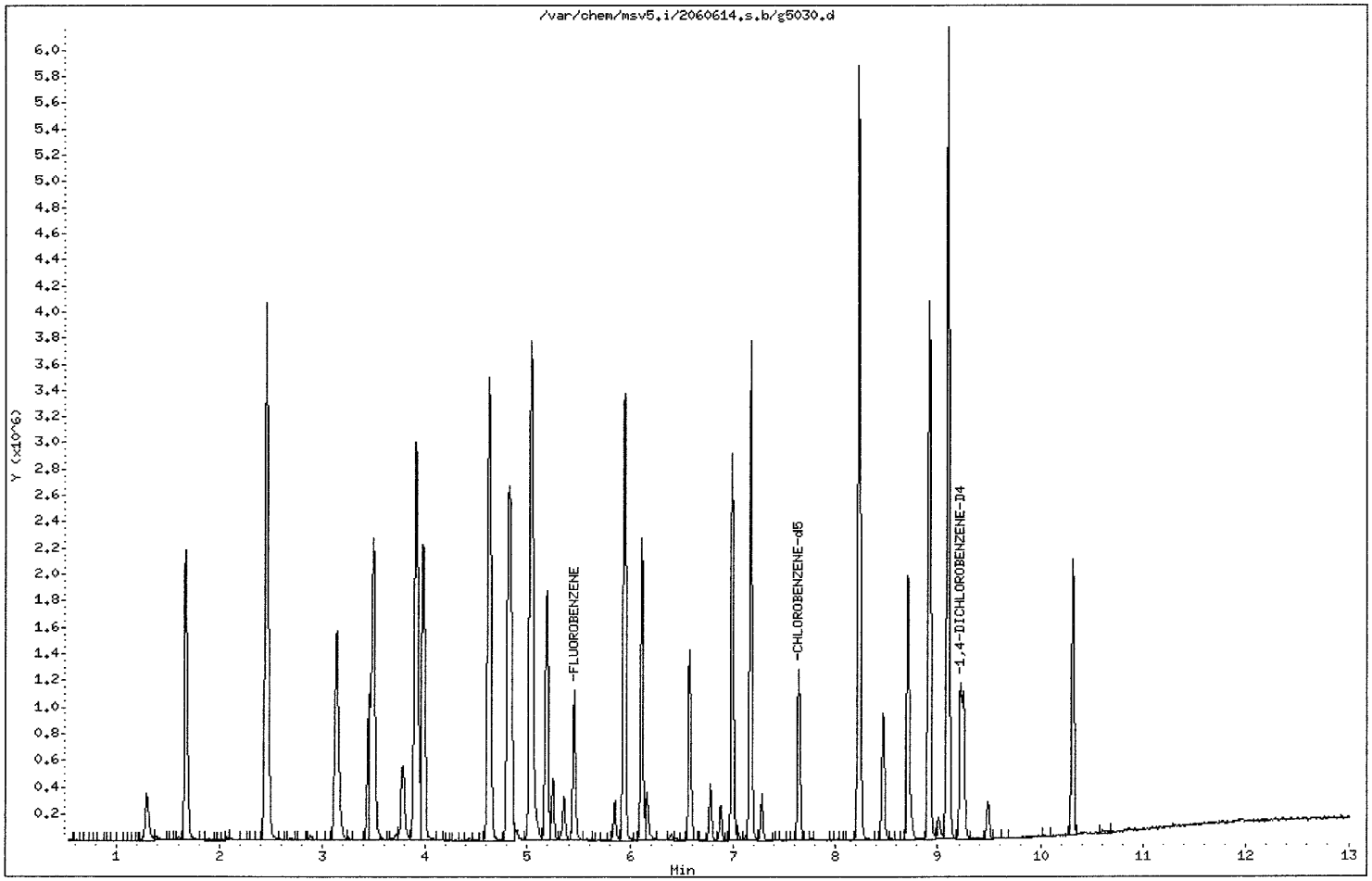
Sample Info: 1205*V5STD200APP9

Purge Volume: 5.0

Operator: ABD

Column phase: DB-VRX-30M

Column diameter: 0.53

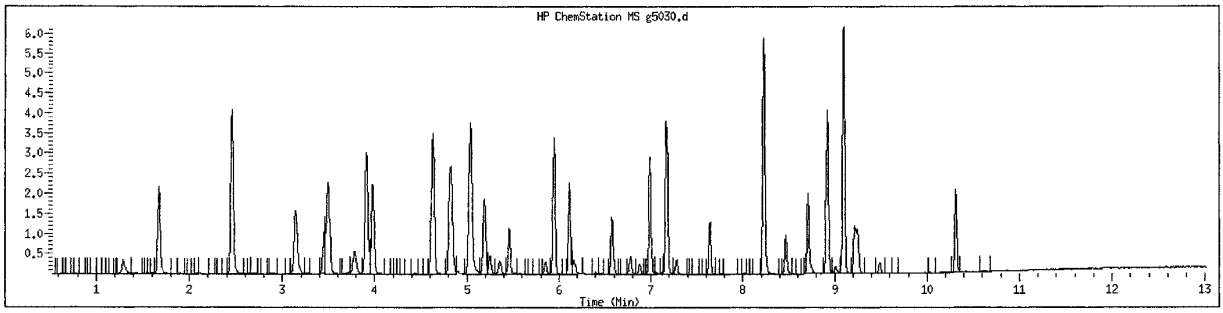


166797

Data file : /var/chem/msv5.i/2060614.s.b/g5030.d Page: 1
Report Date: 06/15/2006 10:16

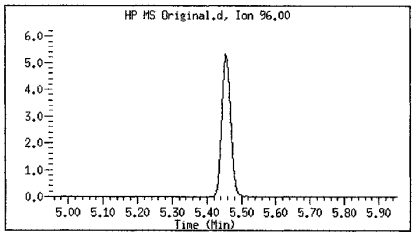
MANUAL INTEGRATION GRAPHIC REPORT

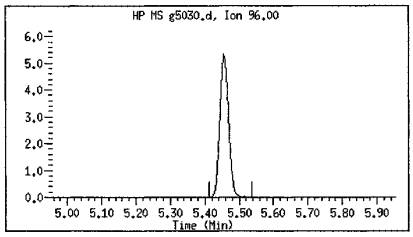
Lab ID : 1205 SampleType : CALIB_5
Injection Date: 14-JUN-2006 10:47 Instrument : msv5.i
Operator : ABD
Sample Info : 1205*V5STD200APP9
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060615p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

* 47 FLUOROBENZENE CAS#: 462-06-6





000337

166798

Report Date: 19-Jul-2006 13:38

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2060614.s
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 1600 Client Smp ID: APPICV
Level: LOW Operator: ABD
Data Type: MS DATA SampleType: LCS
SpikeList File: app9icv.spk Quant Type: ISTD
Sublist File: APP9.sub
Method File: /var/chem/msv5.i/2060614.s.b/8260Bw5.m
Misc Info: MSV~8527~*1*ABD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
144	Methacrylonitrile	50.0	45.5	90.96	75-125
145	1,5 Cyclooctadiene	50.0	43.7	87.46	75-125
146	Tetrahydrofuran	250	207	82.96	75-125
4	1-3 Butadiene	50.0	54.7	109.37	75-125
9	Ethyl Ether	250	244	97.52	75-125
23	Acetonitrile	250	250	100.05	75-125
16	Allyl chloride	50.0	49.2	98.37	75-125
19	tert-Butyl Alcohol	50.0	46.5	93.05	75-125
29	Chloroprene	50.0	51.4	102.73	75-125
34	Propionitrile	250	229	91.55	75-125
25	Isopropyl Ether	50.0	47.0	94.09	75-125
33	Ethyl Acetate	250	298	119.16	75-125
26	2-Butanol	100	0.00	*	75-125
48	n-Butanol	250	199	79.43	75-125
52	2-3 Dichloro-1-Proprene	50.0	47.1	94.29	75-125
43	Isobutyl Alcohol	250	195	78.09	75-125
53	Methyl Methacrylate	50.0	47.4	94.81	75-125
54	1,4- Dioxane	1250	1020	81.48	75-125
62	Ethyl Methacrylate	50.0	46.3	92.55	75-125
79	Cyclohexanone	100	125	124.52	75-125
95	Pentachloroethane	50.0	50.0	100.06	75-125
110	Benzal Chloride	100	106	105.70	75-125
142	1-nitropropane	50.0	41.4	82.81	75-125
141	2-nitropropane	50.0	45.1	90.18	75-125

166799

GCAL, Inc.

Data file : /var/chem/msv5.i/2060614.s.b/g5032.d
Lab Smp Id: 1600 Client Smp ID: APPICV
Inj Date : 14-JUN-2006 11:42
Operator : ABD Inst ID: msv5.i
Smp Info : 1600*APPICV
Misc Info : MSV~8527~*1*ABD
Comment :
Method : /var/chem/msv5.i/2060614.s.b/8260Bw5.m
Meth Date : 13-Jul-2006 13:03 rjo Quant Type: ISTD
Cal Date : 14-JUN-2006 10:47 Cal File: g5030.d
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
4 1-3 Butadiene	39	1.671	1.671	(0.306)	258936	54.6845	54.7	9526
9 Ethyl Ether	59	2.462	2.457	(0.451)	784854	243.797	244	9867
155 sec-Butanol	45	4.864	4.896	(0.891)	17842	48.6655	48.7	4469
16 Allyl chloride	39	3.153	3.142	(0.578)	256753	49.1857	49.2	9490
23 Acetonitrile	41	3.774	3.782	(0.692)	215839	250.137	250	8508
19 tert-Butyl Alcohol	59	3.681	3.729	(0.717)	16203	46.5236	46.5	3170(MH)
25 Isopropyl Ether	45	3.909	3.911	(0.716)	860440	47.0432	47.0	9298
29 Chloroprene	53	3.986	3.975	(0.730)	393724	51.3664	51.4	8734
146 Tetrahydrofuran	42	4.829	4.826	(0.885)	357684	207.388	207	7211(A)
33 Ethyl Acetate	43	4.806	4.808	(0.881)	864976	297.891	298	4140
147 2-2-4 trimethyl Pentane	57	5.040	5.037	(0.924)	894549	45.7334	45.7	9594(A)
34 Propionitrile	54	5.175	5.178	(0.948)	188794	228.885	229	9058
144 Methacrylonitrile	41	5.187	5.190	(0.951)	163075	45.4805	45.5	8347(A)
* 47 FLUOROBENZENE	96	5.457	5.454	(1.000)	978301	50.0000		

000339

166800

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
43 Isobutyl Alcohol	43	5.340	5.354	(0.978)	49102	195.236	195	1405
52 2-3 Dichloro-1-Proprene	75	5.943	5.947	(1.089)	424432	47.1461	47.1	9549
48 n-Butanol	56	5.843	5.853	(1.071)	31097	198.573	199	1962(H)
62 Ethyl Methacrylate	41	6.987	6.986	(0.915)	274747	46.2757	46.3	8386(M)
54 1,4- Dioxane	58	6.154	6.158	(1.128)	48447	1018.50	1020	3458(M)
141 2-nitropropane	43	6.781	6.774	(1.243)	70220	45.0910	45.1	9156
53 Methyl Methacrylate	69	6.113	6.111	(1.120)	188257	47.4074	47.4	8097
142 1-nitropropane	43	7.274	7.280	(1.333)	46134	41.4062	41.4	8795
* 70 CHLOROBENZENE-d5	82	7.637	7.643	(1.000)	410331	50.0000		
145 1,5 Cyclooctadiene	67	8.230	8.230	(1.508)	367391	43.7287	43.7	9547(A)
79 Cyclohexanone	55	8.747	8.741	(1.145)	39528	124.519	125	4597(H)
95 Pentachloroethane	167	8.917	8.918	(0.967)	202040	50.0287	50.0	9582
148 Dicylopentadiene	66	9.099	9.101	(0.987)	1313267	48.4797	48.5	9657(A)
* 99 1,4-DICHLOROBENZENE-D4	152	9.217	9.218	(1.000)	345005	50.0000		
110 Benzal Chloride	125	10.316	10.312	(1.119)	245262	105.702	106	8798

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.

166801

Data File: /var/chem/msv5.i/2060614.s.b/g5032.d

Date : 14-JUN-2006 11:42

Client ID: APPICV

Sample Info: 1600*APPICV

Purge Volume: 5.0

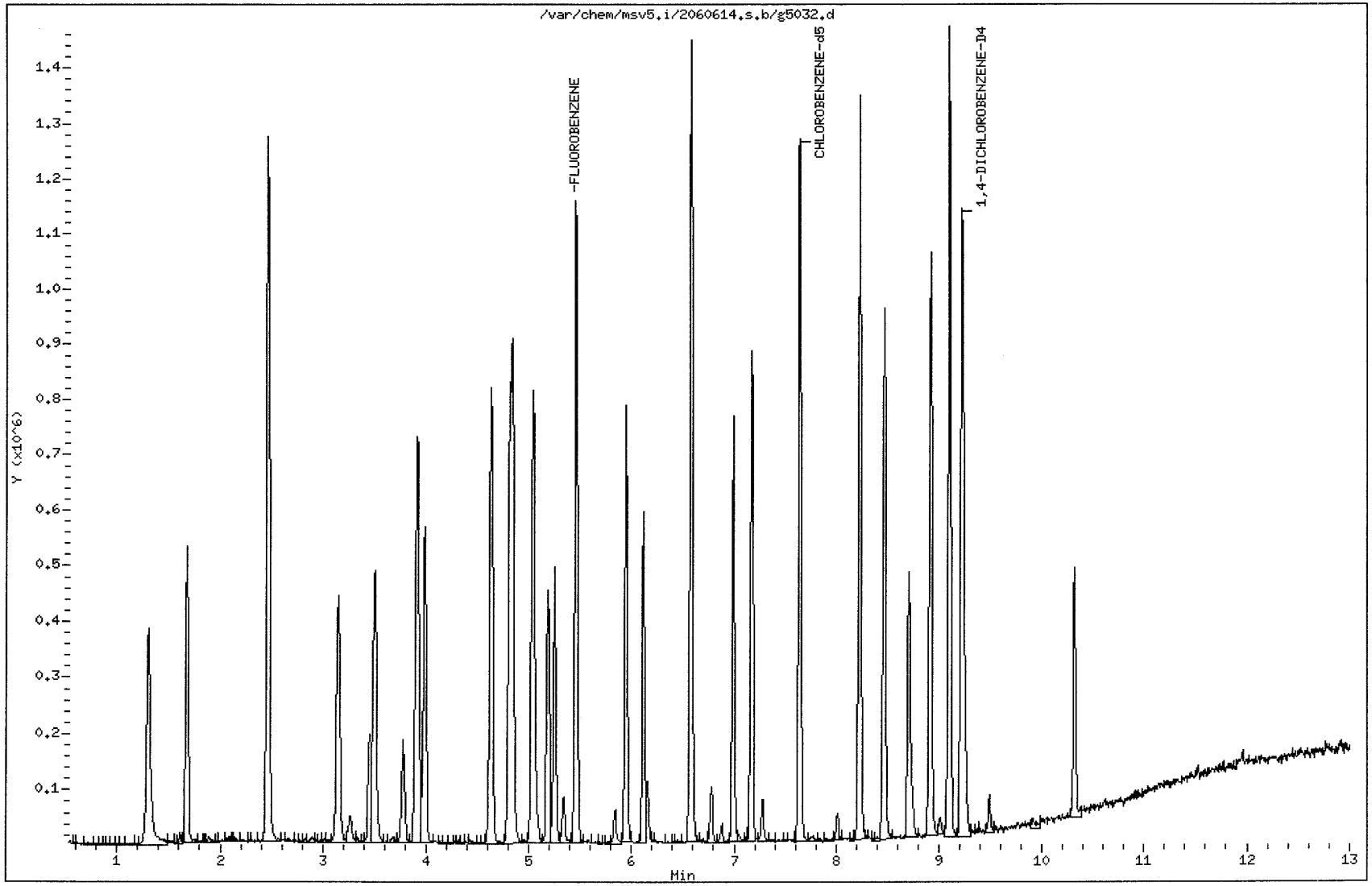
Column phase: DB-VRX-30M

Instrument: msv5.i

Operator: ABD

Column diameter: 0.53

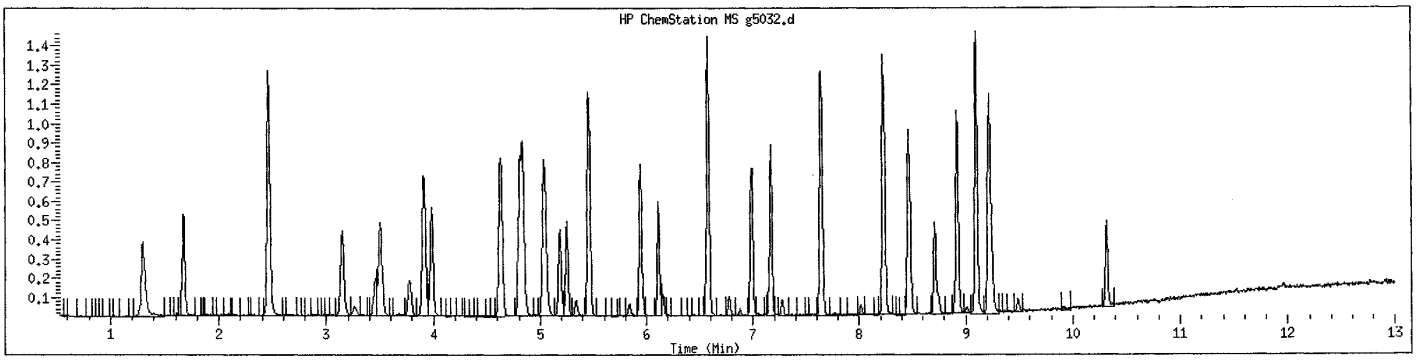
000341



166802

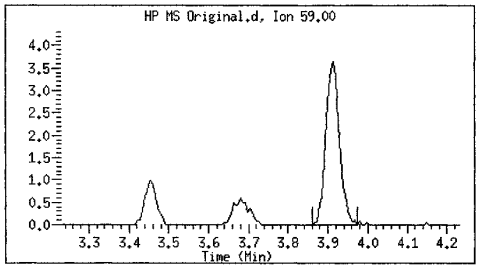
MANUAL INTEGRATION GRAPHIC REPORT

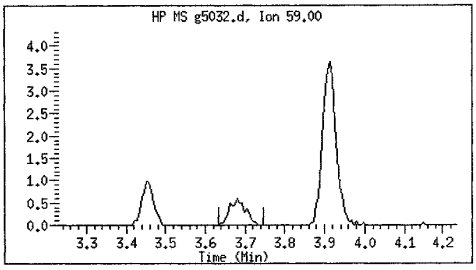
Lab ID : 1600 SampleType : LCS
Injection Date: 14-JUN-2006 11:42 Instrument : msv5.i
Operator : ABD
Sample Info : 1600*APPICV
Misc Info : MSV~8527~*1*ABD
Method : /var/chem/msv5.i/2060614.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



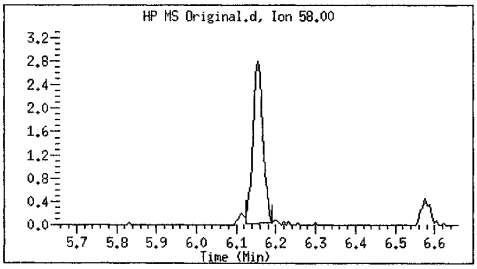
Original Final

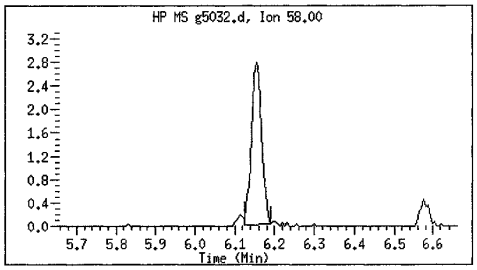
19 tert-Butyl Alcohol CAS#: 75-65-0





54 1,4- Dioxane CAS#: 123-91-1



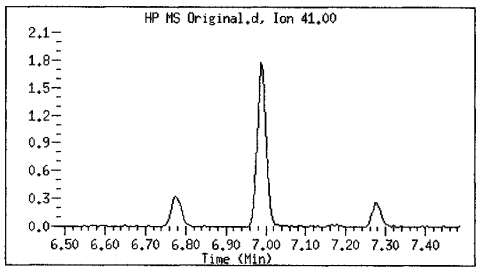


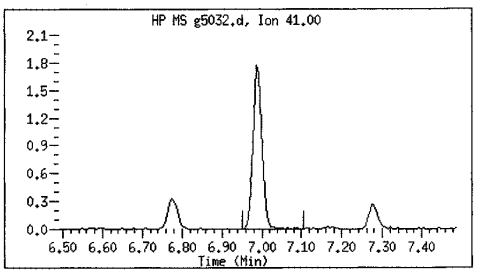
000342

166803

Original Final

62 Ethyl Methacrylate CAS#: 97-63-2





GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7055.d
Lab Smp Id: 1205 Client Smp ID: V5STD0.20
Inj Date : 07-AUG-2006 10:23
Operator : JCK Inst ID: msv5.i
Smp Info : 1205*V5STD0.20*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 19:59 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 10:23 Cal File: g7055.d
Als bottle: 2 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.260)	8930	0.20000	0.623	
	2 Chloromethane ++	50	1.568	1.568	(0.289)	4249	0.20000	0.352	
	3 Vinyl Chloride +	62	1.632	1.632	(0.301)	3374	0.20000	0.348	
	5 Bromomethane	94	1.908	1.908	(0.351)	3592	0.20000	0.563	
M	6 1-3 Dichloropropene-Total	100				8643	0.40000	0.729	0
	8 Chloroethane	64	1.996	1.996	(0.368)	873	0.20000	1.06	
	9 Trichlorofluoromethane	101	2.154	2.154	(0.397)	3768	0.20000	0.331	(M)
	11 1,1-Dichloroethene +	96	2.622	2.622	(0.483)	1461	0.20000	0.359	(M)
	12 Carbon Disulfide	76	2.628	2.628	(0.484)	7481	0.20000	0.367	
	13 1,1,2Trichlotrifluoroethane	101	2.658	2.658	(0.490)	1724	0.20000	0.342	(M)
	14 Methyl Iodide	142	2.751	2.751	(0.507)	1532	0.20000	0.457	
	17 Methylene Chloride	49	3.220	3.220	(0.593)	40068	0.20000	1.17	
	18 Acetone	43	3.284	3.284	(0.605)	12016	0.20000	2.19	
	19 trans-1,2-Dichloroethene	61	3.390	3.390	(0.625)	4161	0.20000	0.451	(M)

							AMOUNTS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 Hexane	57	3.466	3.466	(0.639)	13467	0.20000	0.00889	0(M)
	22 MTBE	73	3.513	3.513	(0.647)	3972	0.20000		0(M)
	27 1,1-Dichloroethane ++	63	3.970	3.970	(0.731)	4033	0.20000	0.328	(M)
	31 cis-1,2-Dichloroethene	61	4.438	4.438	(0.818)	2977	0.20000	0.278	
	32 2,2-Dichloropropane	77	4.525	4.525	(0.834)	3492	0.20000	0.315	(M)
	33 Bromochloromethane	128	4.584	4.584	(0.845)	524	0.20000	0.172	(H)
	34 Cyclohexane	56	4.613	4.613	(0.850)	1972	0.20000	0.200	3461
	35 Chloroform +	83	4.654	4.654	(0.858)	4598	0.20000	0.359	
	36 Carbon Tetrachloride	117	4.777	4.777	(0.880)	2949	0.20000	0.319	(M)
$	39 Dibromofluoromethane	111	4.818	4.818	(0.888)	1448	0.20000	0.180	7487
	40 1,1,1-Trichloroethane	97	4.842	4.842	(0.892)	3210	0.20000	0.521	
	43 1,1-Dichloropropene	75	4.918	4.918	(0.906)	3655	0.20000	0.404	(M)
	45 Benzene	78	5.111	5.111	(0.942)	6824	0.20000	0.321	
$	48 1,2-Dichloroethane-d4	67	5.216	5.216	(0.961)	1541	0.20000	0.297	
	49 1,2-Dichloroethane	62	5.263	5.263	(0.970)	4443	0.20000	0.339	(M)
*	52 FLUOROBENZENE	96	5.427	5.427	(1.000)	1057349	50.0000		
	53 Methyl Cyclohexane	83	5.539	5.539	(1.021)	2887	0.20000	0.340	7033
	54 Trichloroethene	130	5.551	5.551	(1.023)	1807	0.20000	0.341	(M)
	57 Dibromomethane	93	5.867	5.867	(1.081)	1489	0.20000	0.296	(M)
	59 1,2-Dichloropropane +	63	5.931	5.931	(1.093)	2355	0.20000	0.346	(M)
	60 Bromodichloromethane	83	5.978	5.978	(1.101)	2938	0.20000	0.279	
M	61 Total 1,2-Dichloroethene	61				7138	0.20000	0.730	
	64 1-Bromo-2-chloroethane	63	6.317	6.317	(1.164)	2653	0.20000	0.252	0(M)
	66 cis-1,3-Dichloropropene	75	6.411	6.411	(1.181)	4254	0.20000	0.368	
$	67 Toluene-d8	98	6.552	6.552	(0.861)	8232	0.20000	0.411	
	69 Toluene +	91	6.587	6.587	(0.865)	8994	0.20000	0.385	(M)
	71 4-methyl-2-pentanone	43	6.838	6.838	(1.260)	3297	0.20000	0.389	
	72 Tetrachloroethene	164	6.844	6.844	(0.899)	1574	0.20000	0.413	
	73 trans-1,3-Dichloropropene	75	6.868	6.868	(0.902)	4389	0.20000	0.358	
	75 1,1,2-Trichloroethane	97	6.985	6.985	(0.918)	810	0.20000	0.941	
	76 Dibromochloromethane	129	7.114	7.114	(0.935)	2363	0.20000	0.290	
	77 1,3-Dichloropropane	76	7.172	7.172	(0.942)	3773	0.20000	0.343	(M)
	79 1,2-Dibromoethane(EDB)	107	7.277	7.277	(0.956)	2160	0.20000	0.346	
	80 2-Hexanone	43	7.400	7.400	(0.972)	2471	0.20000	0.435	(M)
	82 1-Chlorohexane	91	7.600	7.600	(0.998)	5196	0.20000	0.541	1214
*	83 CHLOROBENZENE-d5	82	7.611	7.611	(1.000)	591642	50.0000		
	84 Chlorobenzene ++	112	7.617	7.617	(1.001)	6532	0.20000	0.428	
	85 Ethylbenzene +	106	7.635	7.635	(1.003)	2500	0.20000	0.308	(M)
	86 1,1,1,2-Tetrachloroethane	133	7.653	7.653	(1.005)	1279	0.20000	0.202	
	87 p,m-Xylene	106	7.729	7.729	(1.015)	5567	0.20000	0.590	
	89 o-Xylene	106	8.021	8.021	(1.054)	1934	0.20000	0.209	
	90 Styrene	104	8.068	8.068	(1.060)	5573	0.20000	0.341	(M)
	91 Bromoform ++	173	8.080	8.080	(1.062)	1247	0.20000	0.273	(H)
	93 Isopropylbenzene	105	8.226	8.226	(1.081)	9211	0.20000	0.349	
$	94 Bromofluorobenzene	174	8.437	8.437	(1.108)	1865	0.20000	0.306	
	95 n-Propylbenzene	91	8.513	8.513	(0.927)	11269	0.20000	0.363	
	96 Bromobenzene	77	8.513	8.513	(0.927)	7101	0.20000	0.503	

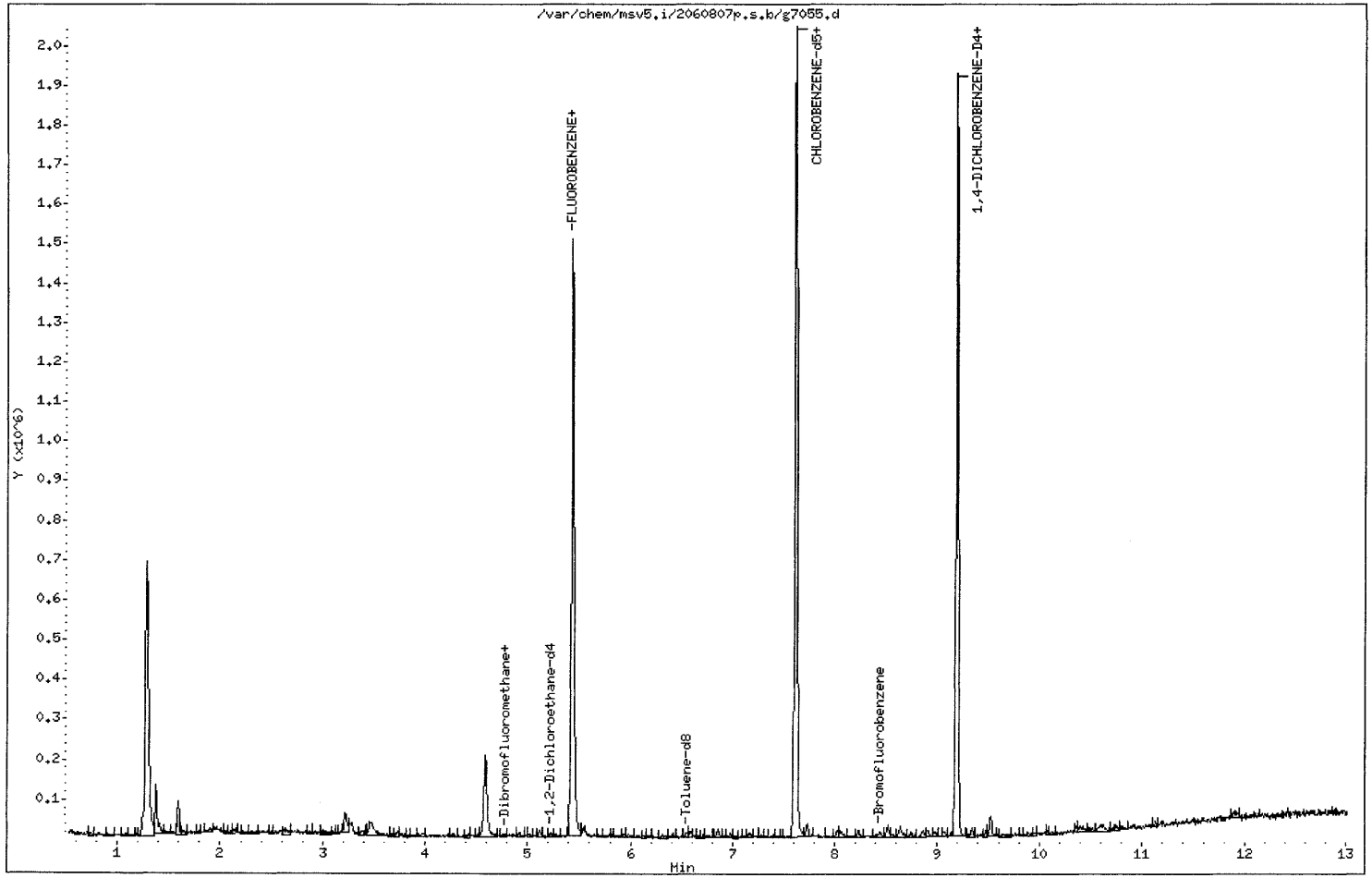
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
97	1,1,2,2-Tetrachloroethane++	83	8.549	8.549	(0.930)	2615	0.20000	0.354	
98	2-Chlorotoluene	91	8.636	8.636	(0.940)	8654	0.20000	0.392	
99	1,3,5-Trimethylbenzene	105	8.642	8.642	(0.941)	8744	0.20000	0.385	(M)
100	1,2,3-Trichloropropane	75	8.660	8.660	(0.943)	1536	0.20000	0.166	(H)
101	trans-1,4-Dichloro-2-Butene	53	8.677	8.677	(0.944)	414	0.20000	0.173	(M)
103	4-Chlorotoluene	91	8.742	8.742	(0.952)	6519	0.20000	0.319	
104	tert-butylbenzene	91	8.865	8.865	(0.965)	4826	0.20000	0.341	
106	1,2,4-Trimethylbenzene	105	8.906	8.906	(0.969)	8063	0.20000	0.364	
107	sec-Butylbenzene	105	8.976	8.976	(0.977)	10908	0.20000	0.393	
108	p-Isopropyltoluene	119	9.064	9.064	(0.987)	7584	0.20000	0.326	
110	1,3-Dichlorobenzene	146	9.140	9.140	(0.995)	3619	0.20000	0.329	
* 111	1,4-DICHLOROBENZENE-D4	152	9.187	9.187	(1.000)	376532	50.0000		
112	1,4-Dichlorobenzene	146	9.193	9.193	(1.001)	4675	0.20000	0.405	
115	n-Butylbenzene	91	9.334	9.334	(1.016)	8476	0.20000	0.334	
116	1,2-Dichlorobenzene	146	9.480	9.480	(1.032)	3844	0.20000	0.357	
120	1,2-Dibromo-3-Chloropropane	157	9.984	9.984	(1.087)	311	0.20000		(M)
122	Hexachlorobutadiene	225	10.360	10.360	(1.128)	1289	0.20000	0.297	(M)
123	1,2,4-Trichlorobenzene	180	10.395	10.395	(1.131)	1562	0.20000	0.219	
M 124	TOTAL XYLENE	106				7501	0.20000	0.799	
125	Naphthalene	128	10.618	10.618	(1.156)	9792	0.20000	0.474	
126	1,2,3-Trichlorobenzene	180	10.742	10.742	(1.169)	2388	0.20000	0.345	(M)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv5.i/2060807p.s.b/g7055.d
Date : 07-AUG-2006 10:23
Client ID: V5STD0.20
Sample Info: 1205*V5STD0.20*5-51-5
Purge Volume: 5.0
Column phase: DB-VRX-30M

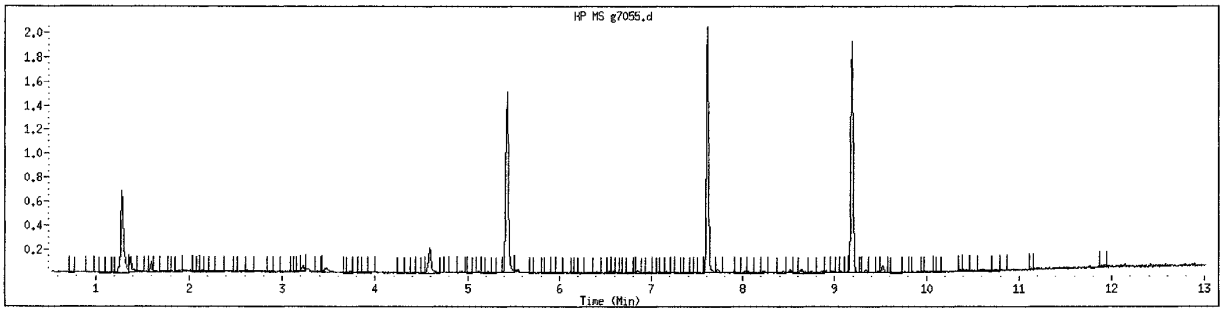
Instrument: msv5.i
Operator: JCK
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060807p.s.b/g7055.d Page: 1
Report Date: 08/07/2006 20:00

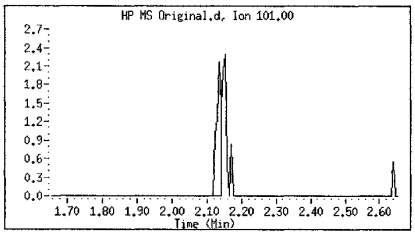
MANUAL INTEGRATION GRAPHIC REPORT

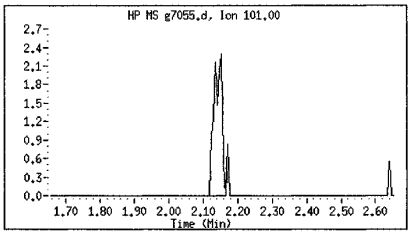
Lab ID : 1205 SampleType : CALIB_10
Injection Date: 07-AUG-2006 10:23 Instrument : msv5.i
Operator : JCK
Sample Info : 1205*V5STD0.20*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



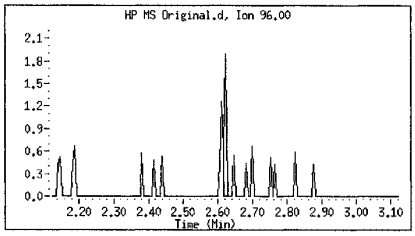
Original Final

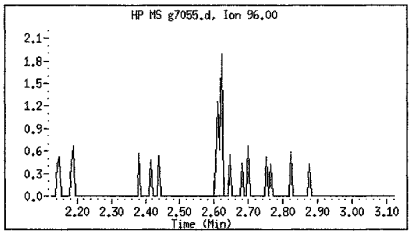
9 Trichlorofluoromethane CAS#: 75-69-4





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





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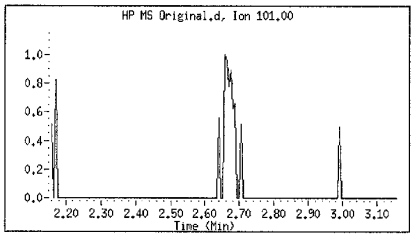
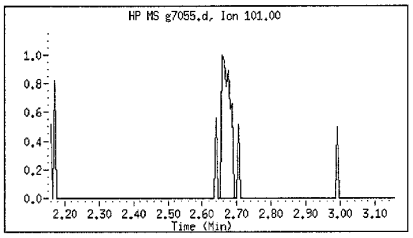
166809

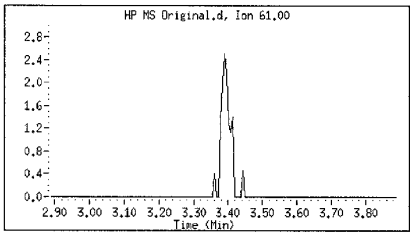
Original Final

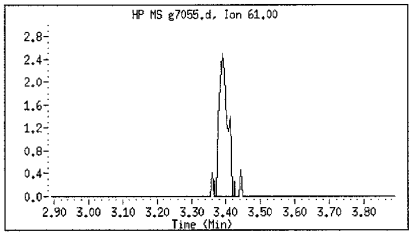
13 1,1,2Trichlotrifluoroethane CAS#: 76-13-1



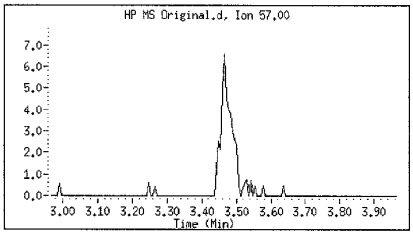


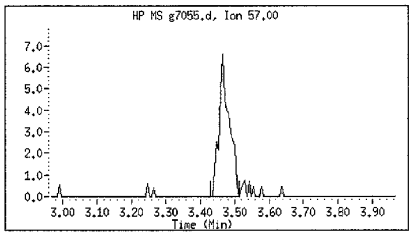
19 trans-1,2-Dichloroethene CAS#: 156-60-5



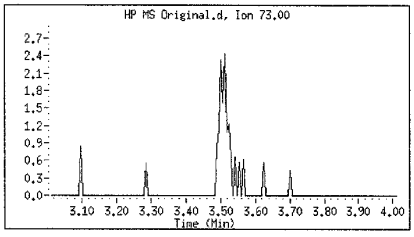


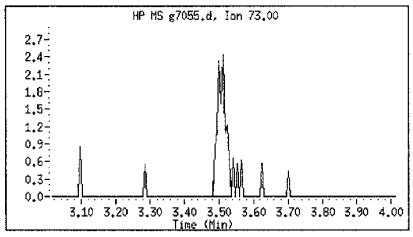
21 Hexane CAS#: 110-54-3



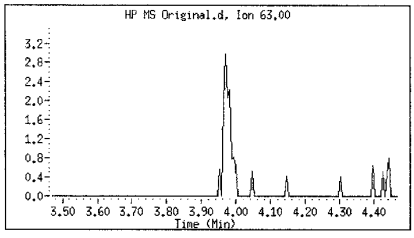


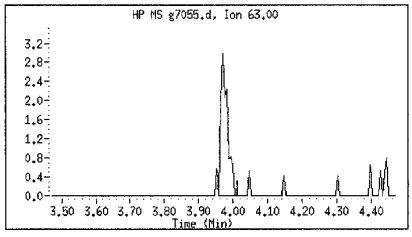
22 MTBE CAS#: 1634-04-4





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





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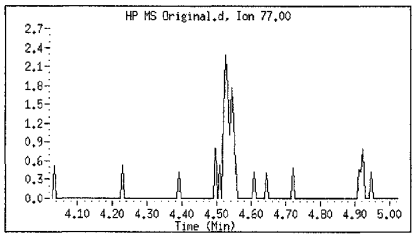
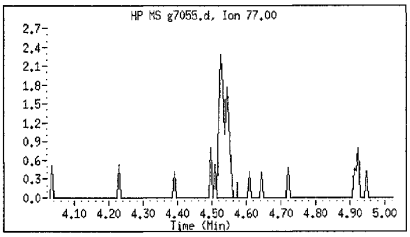
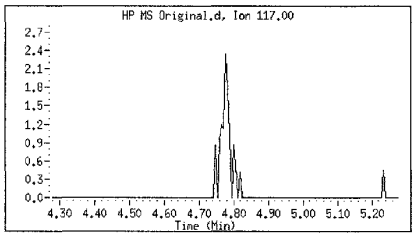
Original Final

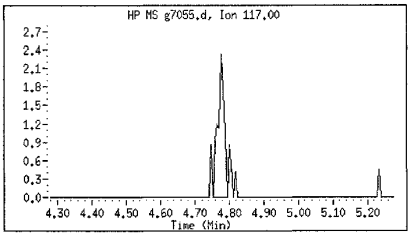
32 2,2-Dichloropropane CAS#: 594-20-7



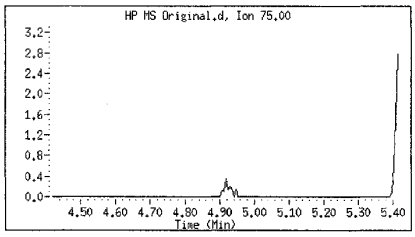


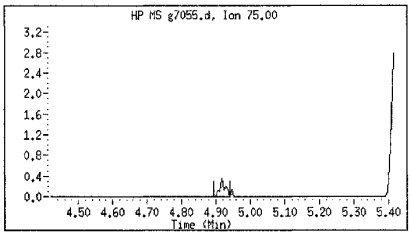
36 Carbon Tetrachloride CAS#: 56-23-5



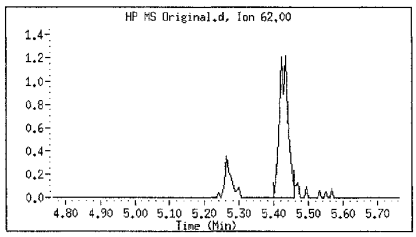


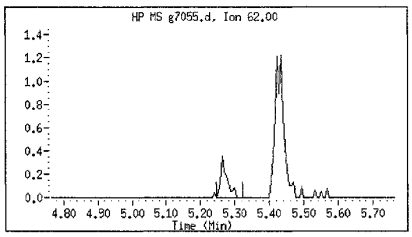
43 1,1-Dichloropropene CAS#: 563-58-6



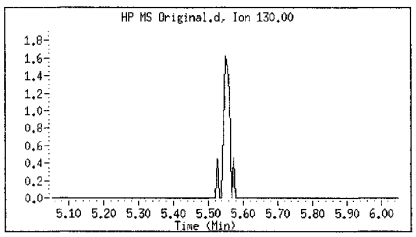


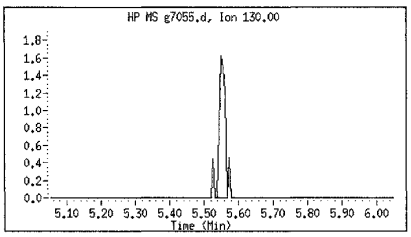
49 1,2-Dichloroethane CAS#: 107-06-2





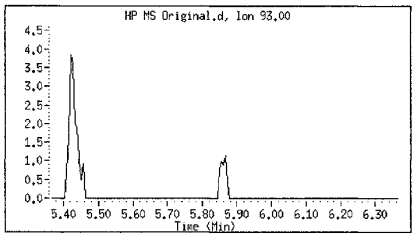
54 Trichloroethene CAS#: 79-01-6

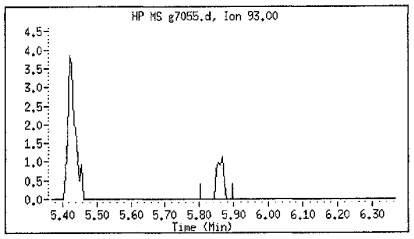




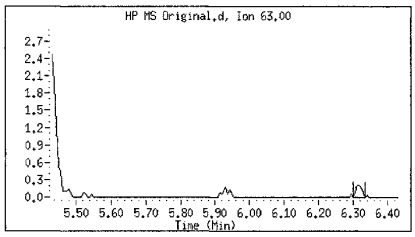
Original Final

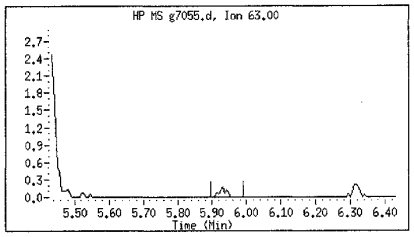
57 Dibromomethane CAS#: 74-95-3



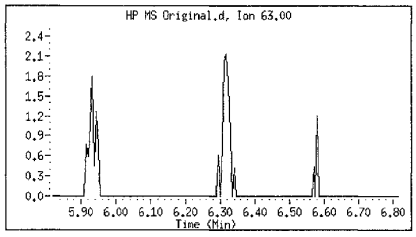


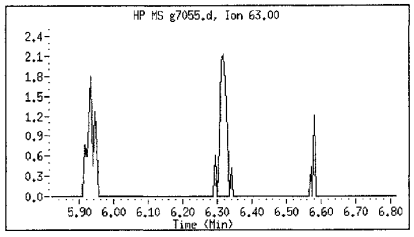
59 1,2-Dichloropropane + CAS#: 78-87-5



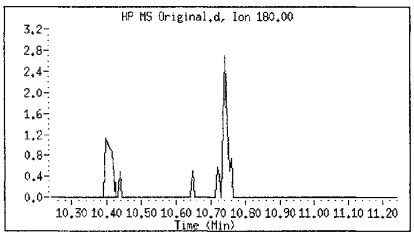


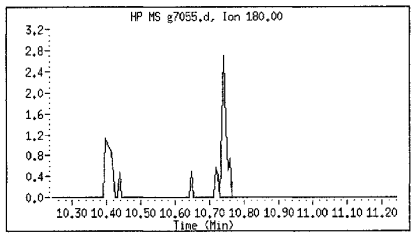
64 1-Bromo-2-chloroethane CAS#: 107-04-0



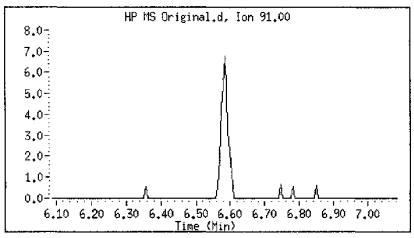


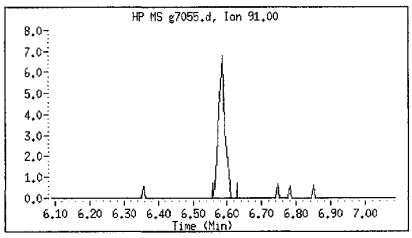
126 1,2,3-Trichlorobenzene CAS#: 87-61-6





69 Toluene + CAS#: 108-88-3





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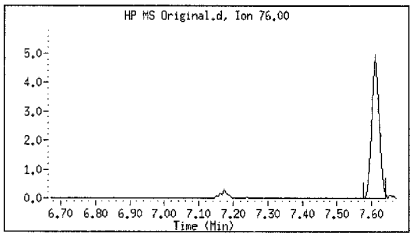
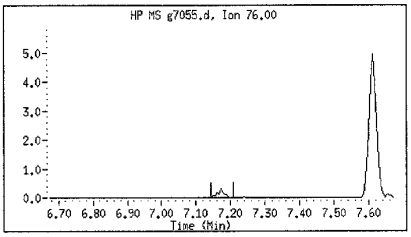
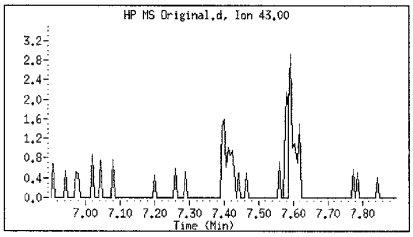
Original Final

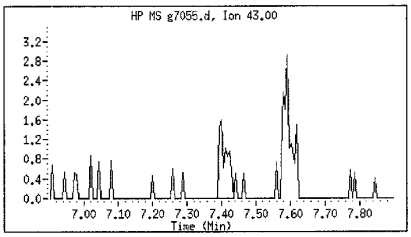
77 1,3-Dichloropropane CAS#: 142-28-9



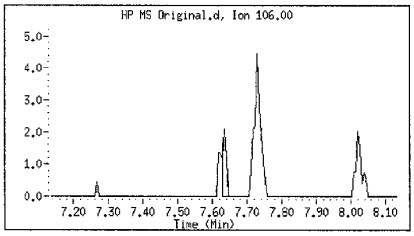


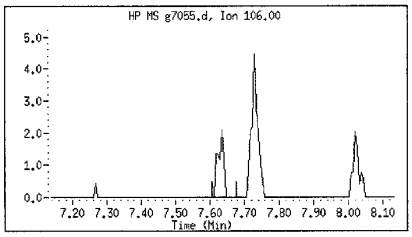
80 2-Hexanone CAS#: 591-78-6



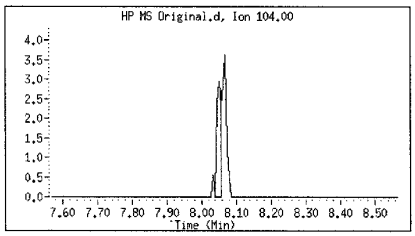


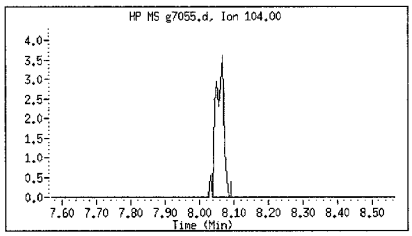
85 Ethylbenzene + CAS#: 100-41-4



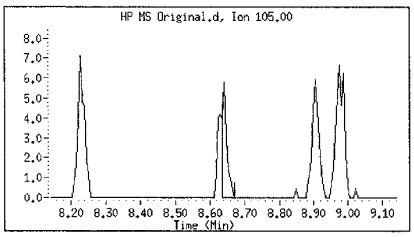


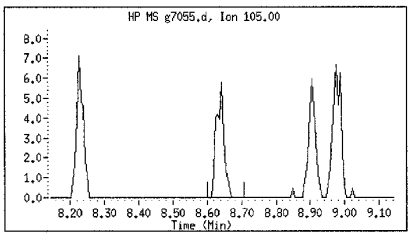
90 Styrene CAS#: 100-42-5





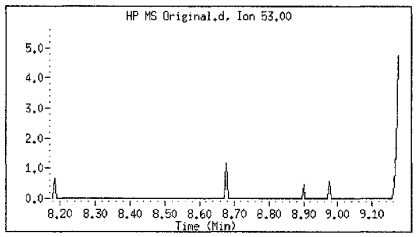
99 1,3,5-Trimethylbenzene CAS#: 108-67-8

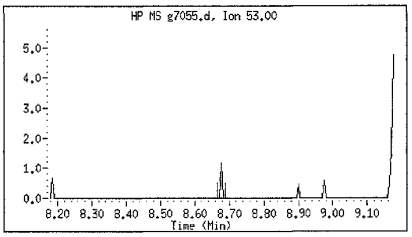




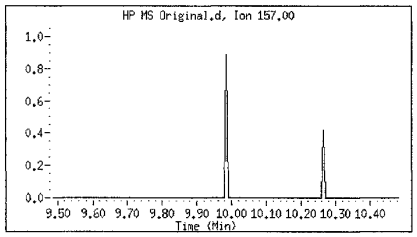
Original Final

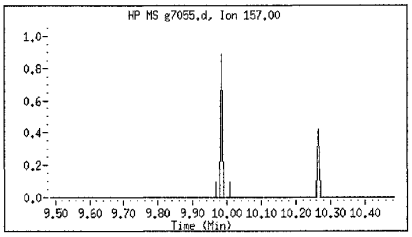
101 trans-1,4-Dichloro-2-Butene CAS#: 110-57-6



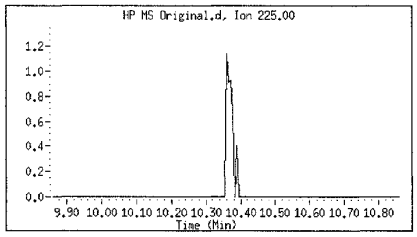


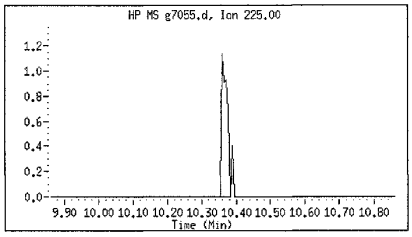
120 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8





122 Hexachlorobutadiene CAS#: 87-68-3





GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7056.d
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Inj Date : 07-AUG-2006 10:58
Operator : JCK Inst ID: msv5.i
Smp Info : 1209*V5STD0.40*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 10:58 Cal File: g7056.d
Als bottle: 3 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.260)	7769	0.40000	0.484	
	2 Chloromethane ++	50	1.574	1.574	(0.290)	9718	0.40000	0.720	
	3 Vinyl Chloride +	62	1.638	1.638	(0.302)	3783	0.40000	0.349	
	5 Bromomethane	94	1.908	1.908	(0.351)	3688	0.40000	0.516	
M	6 1-3 Dichloropropene-Total	100				10065	0.40000	0.759	0
	9 Trichlorofluoromethane	101	2.130	2.130	(0.392)	4805	0.40000	0.377	
	11 1,1-Dichloroethene +	96	2.622	2.622	(0.483)	1129	0.40000	0.248	
	12 Carbon Disulfide	76	2.652	2.652	(0.489)	9582	0.40000	0.420	
	13 1,1,2Trichlotrifluoroethane	101	2.675	2.675	(0.493)	1018	0.40000	0.180	
	14 Methyl Iodide	142	2.769	2.769	(0.510)	2904	0.40000	0.565	
	15 Acrolein	56	3.378	3.378	(0.622)	334	0.40000	0.655	
	17 Methylene Chloride	49	3.226	3.226	(0.594)	30854	0.40000		(M)
	18 Acetone	43	3.284	3.284	(0.605)	10973	0.40000	1.38	
	19 trans-1,2-Dichloroethene	61	3.390	3.390	(0.625)	4201	0.40000	0.407	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 Hexane	57	3.466	3.466	(0.639)	14485	0.40000		4895(M)
	22 MTBE	73	3.501	3.501	(0.645)	5867	0.40000		0(M)
	27 1,1-Dichloroethane ++	63	3.981	3.981	(0.734)	4946	0.40000	0.360	
	31 cis-1,2-Dichloroethene	61	4.432	4.432	(0.817)	5017	0.40000	0.419	
	32 2,2-Dichloropropane	77	4.525	4.525	(0.834)	4663	0.40000	0.376	(M)
	33 Bromochloromethane	128	4.613	4.613	(0.850)	375	0.40000	0.110	
	34 Cyclohexane	56	4.596	4.596	(0.847)	4438	0.40000	0.403	2988
	35 Chloroform +	83	4.666	4.666	(0.860)	4922	0.40000	0.343	
	36 Carbon Tetrachloride	117	4.771	4.771	(0.879)	3138	0.40000	0.305	
$	39 Dibromofluoromethane	111	4.812	4.812	(0.887)	3554	0.40000	0.395	7338
	40 1,1,1-Trichloroethane	97	4.824	4.824	(0.889)	2920	0.40000	0.466	
	43 1,1-Dichloropropene	75	4.930	4.930	(0.908)	3905	0.40000	0.386	(M)
	45 Benzene	78	5.111	5.111	(0.942)	10074	0.40000	0.423	(M)
$	48 1,2-Dichloroethane-d4	67	5.228	5.228	(0.963)	1985	0.40000	0.342	
	49 1,2-Dichloroethane	62	5.275	5.275	(0.972)	6170	0.40000	0.420	(M)
*	52 FLUOROBENZENE	96	5.427	5.427	(1.000)	1182957	50.0000		
	53 Methyl Cyclohexane	83	5.539	5.539	(1.021)	3452	0.40000	0.364	7248
	54 Trichloroethene	130	5.551	5.551	(1.023)	1759	0.40000	0.296	(M)
	57 Dibromomethane	93	5.855	5.855	(1.079)	2361	0.40000	0.419	(M)
	59 1,2-Dichloropropane +	63	5.931	5.931	(1.093)	3135	0.40000	0.412	
	60 Bromodichloromethane	83	5.972	5.972	(1.100)	3404	0.40000	0.289	
M	61 Total 1,2-Dichloroethene	61				9218	0.40000	0.826	
	64 1-Bromo-2-chloroethane	63	6.323	6.323	(1.165)	4264	0.40000	0.362	0(M)
	66 cis-1,3-Dichloropropene	75	6.423	6.423	(1.183)	4782	0.40000	0.369	
$	67 Toluene-d8	98	6.546	6.546	(0.860)	9199	0.40000	0.420	
	69 Toluene +	91	6.575	6.575	(0.864)	10611	0.40000	0.415	(M)
	71 4-methyl-2-pentanone	43	6.838	6.838	(1.260)	4326	0.40000	0.456	
	72 Tetrachloroethene	164	6.844	6.844	(0.899)	1509	0.40000	0.362	
	73 trans-1,3-Dichloropropene	75	6.868	6.868	(0.902)	5283	0.40000	0.394	
	75 1,1,2-Trichloroethane	97	6.967	6.967	(0.915)	1297	0.40000	1.01	
	76 Dibromochloromethane	129	7.096	7.096	(0.932)	3303	0.40000	0.370	
	77 1,3-Dichloropropane	76	7.172	7.172	(0.942)	4981	0.40000	0.414	(M)
	79 1,2-Dibromoethane(EDB)	107	7.272	7.272	(0.955)	2138	0.40000	0.313	
	80 2-Hexanone	43	7.394	7.394	(0.972)	2159	0.40000	0.347	(M)
	82 1-Chlorohexane	91	7.599	7.599	(0.998)	4547	0.40000	0.432	3298(M)
*	83 CHLOROBENZENE-d5	82	7.611	7.611	(1.000)	647897	50.0000		
	84 Chlorobenzene ++	112	7.629	7.629	(1.002)	5792	0.40000	0.347	
	85 Ethylbenzene +	106	7.635	7.635	(1.003)	3823	0.40000	0.431	
	86 1,1,1,2-Tetrachloroethane	133	7.658	7.658	(1.006)	2625	0.40000	0.378	
	87 p,m-Xylene	106	7.729	7.729	(1.015)	7823	0.80000	0.757	
	89 o-Xylene	106	8.027	8.027	(1.055)	4092	0.40000	0.404	
	90 Styrene	104	8.068	8.068	(1.060)	5901	0.40000	0.329	
	91 Bromoform ++	173	8.086	8.086	(1.062)	1501	0.40000	0.301	(M)
	93 Isopropylbenzene	105	8.226	8.226	(1.081)	12577	0.40000	0.435	
$	94 Bromofluorobenzene	174	8.431	8.431	(1.108)	2430	0.40000	0.365	
	95 n-Propylbenzene	91	8.513	8.513	(0.927)	13190	0.40000	0.388	
	96 Bromobenzene	77	8.519	8.519	(0.927)	7209	0.40000	0.466	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
97	1,1,2,2-Tetrachloroethane++	83	8.560	8.560	(0.932)	3034	0.40000	0.375	
98	2-Chlorotoluene	91	8.636	8.636	(0.940)	9058	0.40000	0.375	
99	1,3,5-Trimethylbenzene	105	8.642	8.642	(0.941)	11746	0.40000	0.473	
100	1,2,3-Trichloropropane	75	8.678	8.678	(0.944)	2769	0.40000	0.273	
101	trans-1,4-Dichloro-2-Butene	53	8.678	8.678	(0.944)	1379	0.40000	0.525	
103	4-Chlorotoluene	91	8.748	8.748	(0.952)	8405	0.40000	0.375	
104	tert-butylbenzene	91	8.859	8.859	(0.964)	6711	0.40000	0.433	
106	1,2,4-Trimethylbenzene	105	8.906	8.906	(0.969)	9397	0.40000	0.387	
107	sec-Butylbenzene	105	8.976	8.976	(0.977)	12523	0.40000	0.412	
108	p-Isopropyltoluene	119	9.064	9.064	(0.987)	10412	0.40000	0.409	
110	1,3-Dichlorobenzene	146	9.146	9.146	(0.996)	5493	0.40000	0.455	
* 111	1,4-DICHLOROBENZENE-D4	152	9.187	9.187	(1.000)	412578	50.0000		
112	1,4-Dichlorobenzene	146	9.199	9.199	(1.001)	5721	0.40000	0.452	
115	n-Butylbenzene	91	9.340	9.340	(1.017)	10417	0.40000	0.374	
116	1,2-Dichlorobenzene	146	9.475	9.475	(1.031)	5196	0.40000	0.441	
120	1,2-Dibromo-3-Chloropropane	157	9.973	9.973	(1.085)	364	0.40000		(M)
122	Hexachlorobutadiene	225	10.366	10.366	(1.128)	465	0.40000	0.0978	
123	1,2,4-Trichlorobenzene	180	10.401	10.401	(1.132)	2891	0.40000	0.370	
M 124	TOTAL XYLENE	106				11915	1.20000	1.16	
125	Naphthalene	128	10.624	10.624	(1.156)	11449	0.40000	0.506	
126	1,2,3-Trichlorobenzene	180	10.748	10.748	(1.170)	2853	0.40000	0.376	

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/msv5.i/2060807p.s.b/g7056.d

Page 1

Date : 07-AUG-2006 10:58

Client ID: V5STD0.40

Instrument: msv5.i

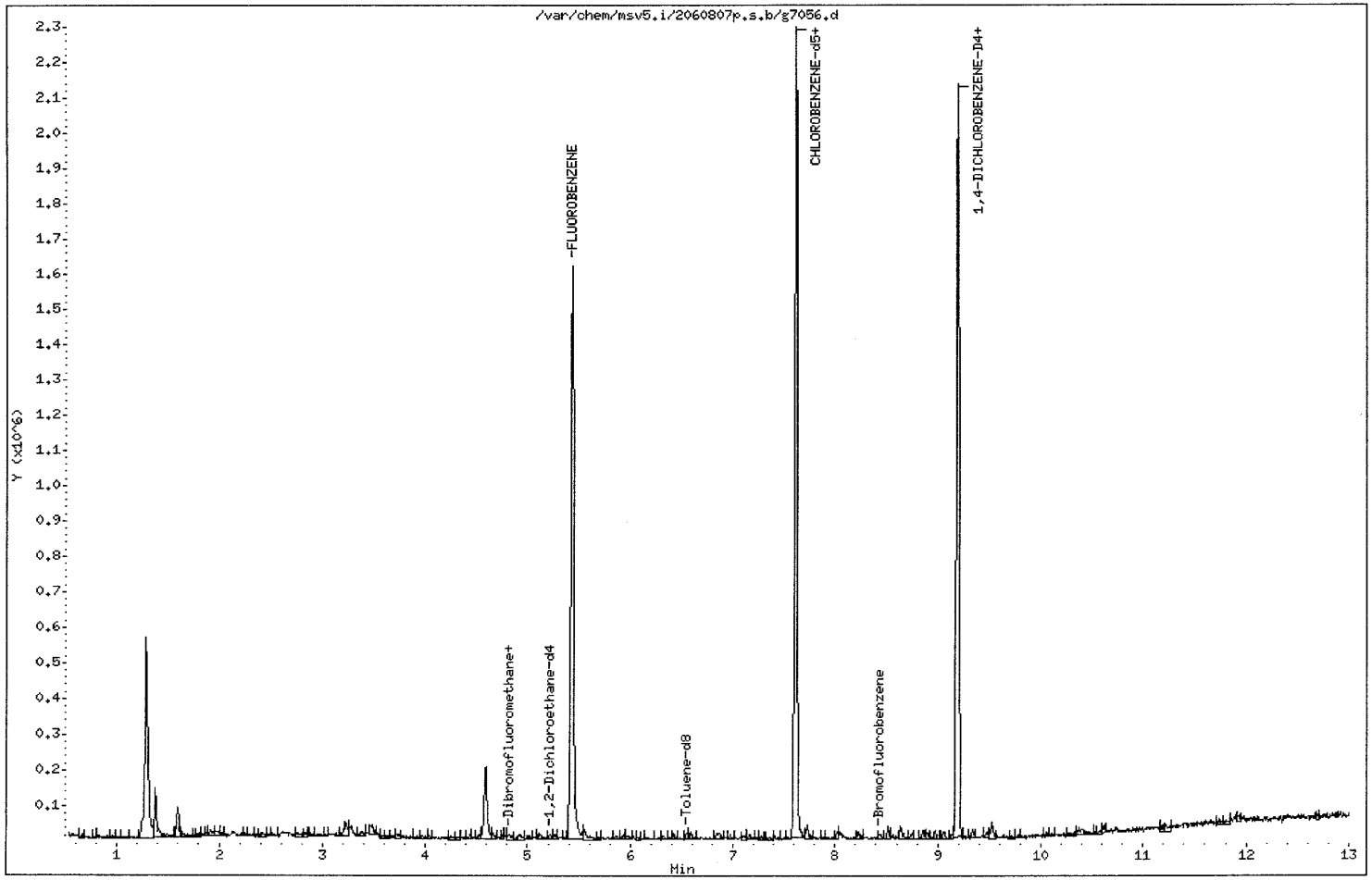
Sample Info: 1209*V5STD0.40*5-51-5

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

Column diameter: 0.53



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Report Date: 08/07/2006 18:48

MANUAL INTEGRATION GRAPHIC REPORT

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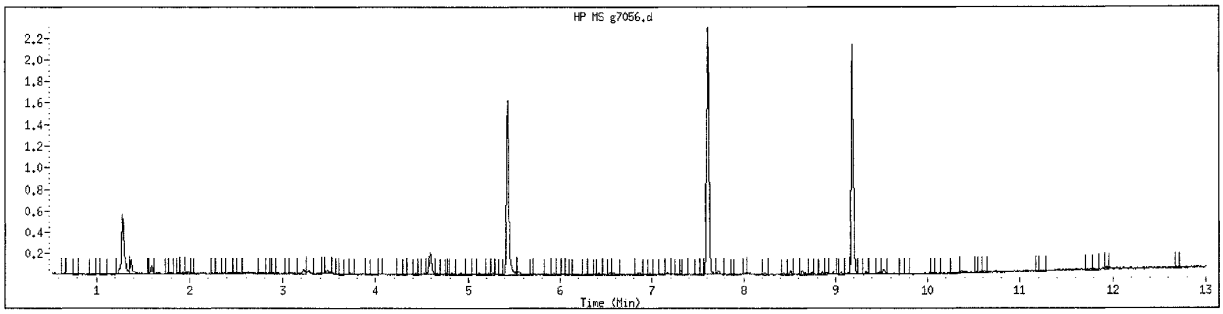
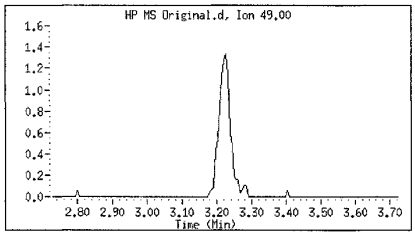
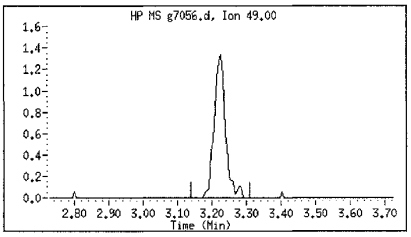
Injection Date: 07-AUG-2006 10:58 Instrument : msv5.i
Operator : JCK
Sample Info : 1209*V5STD0.40*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



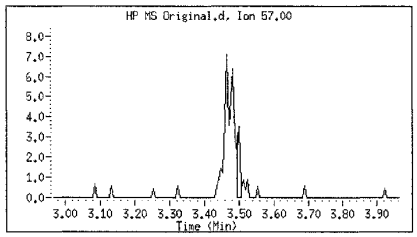
Original Final

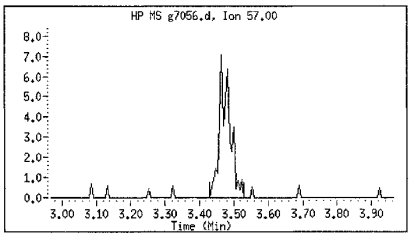
17 Methylene Chloride CAS#: 75-09-2





21 Hexane CAS#: 110-54-3





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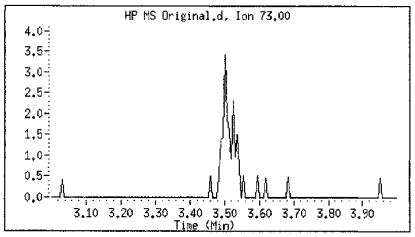
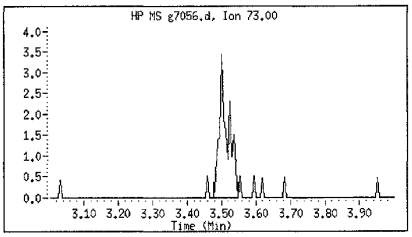
166819

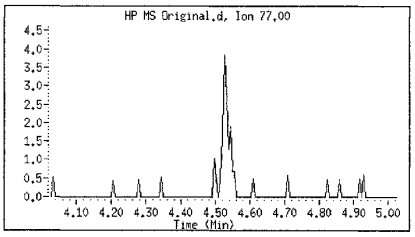
Original Final

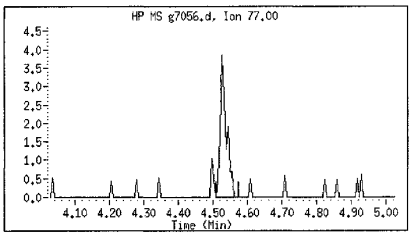
22 MTBE CAS#: 1634-04-4



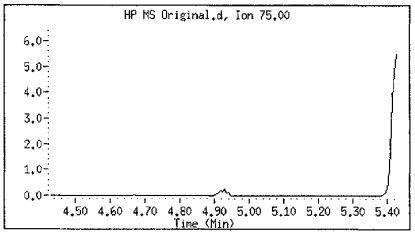


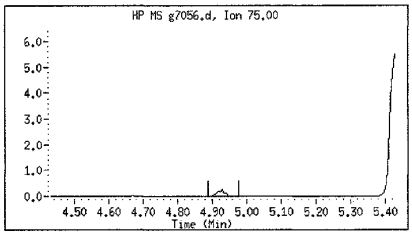
32 2,2-Dichloropropane CAS#: 594-20-7



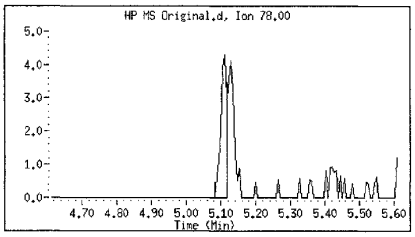


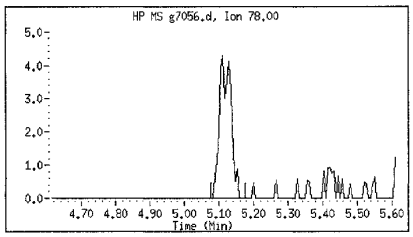
43 1,1-Dichloropropene CAS#: 563-58-6



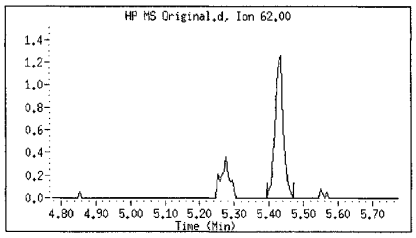


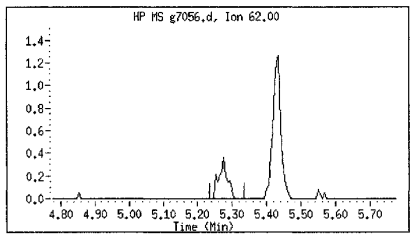
45 Benzene CAS#: 71-43-2





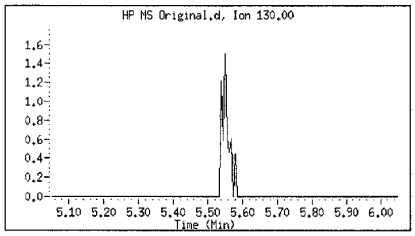
49 1,2-Dichloroethane CAS#: 107-06-2

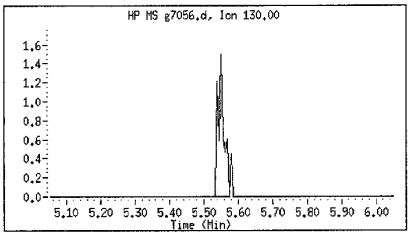




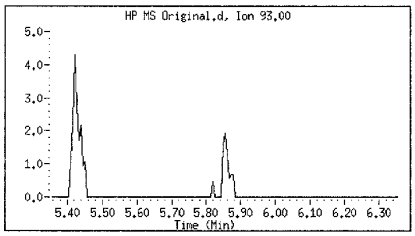
Original Final

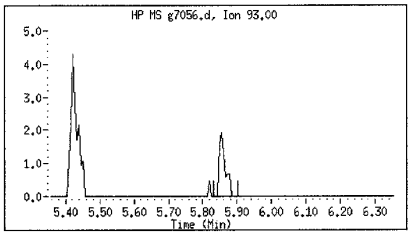
54 Trichloroethene CAS#: 79-01-6



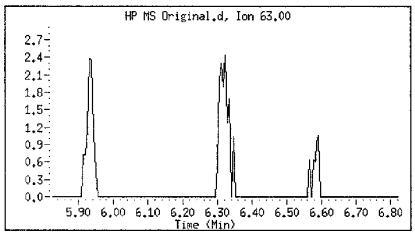


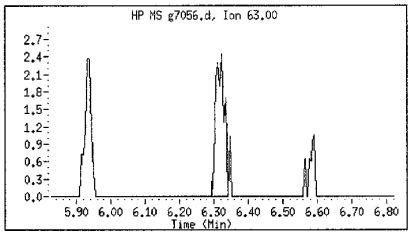
57 Dibromomethane CAS#: 74-95-3



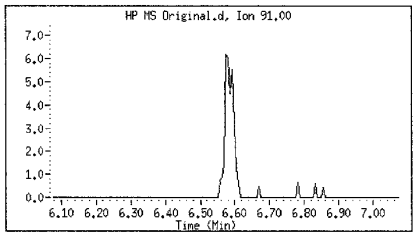


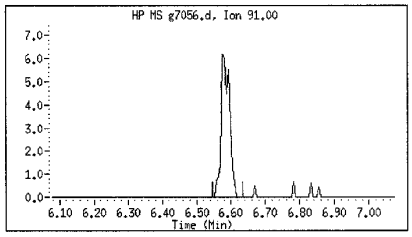
64 1-Bromo-2-chloroethane CAS#: 107-04-0



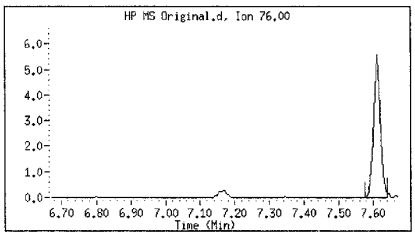


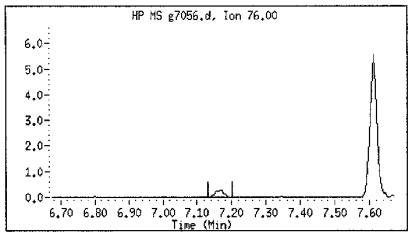
69 Toluene + CAS#: 108-88-3





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





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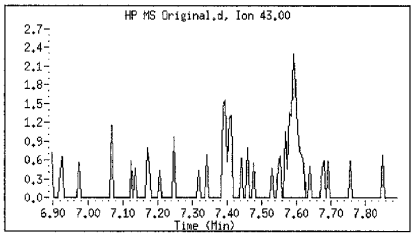
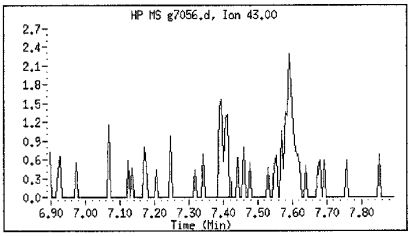
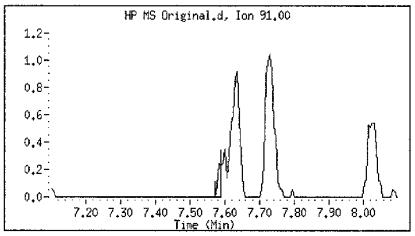
Original Final

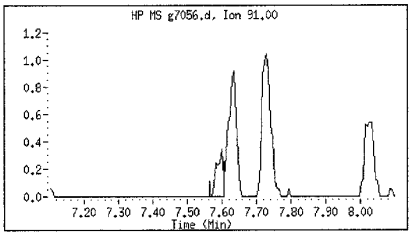
80 2-Hexanone CAS#: 591-78-6



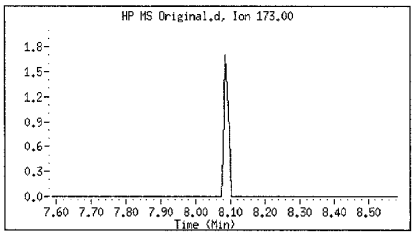


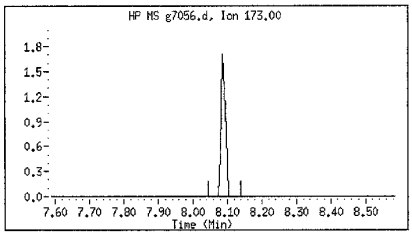
82 1-Chlorohexane CAS#: 544-10-5



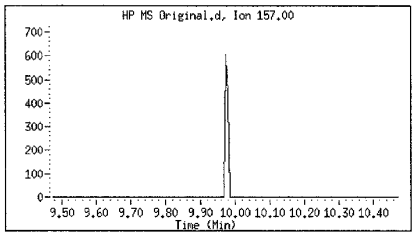


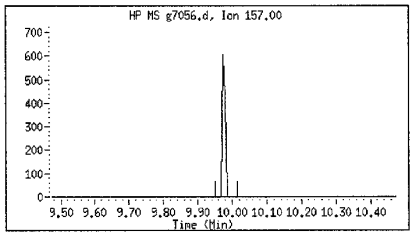
91 Bromoform ++ CAS#: 75-25-2





120 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8





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GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7057.d
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Inj Date : 07-AUG-2006 11:34
Operator : JCK Inst ID: msv5.i
Smp Info : 1207*V5STD001*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
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Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 11:34 Cal File: g7057.d
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.260)	16144	1.00000	1.05	
	2 Chloromethane ++	50	1.574	1.574	(0.290)	14114	1.00000	1.10	
	3 Vinyl Chloride +	62	1.638	1.638	(0.302)	10472	1.00000	1.01	
	5 Bromomethane	94	1.907	1.907	(0.351)	7200	1.00000	1.06	
M	6 1-3 Dichloropropene-Total	100				21667	2.00000	1.71	0
	8 Chloroethane	64	2.007	2.007	(0.370)	2853	1.00000	1.32	(H)
	9 Trichlorofluoromethane	101	2.130	2.130	(0.392)	13360	1.00000	1.10	(M)
	11 1,1-Dichloroethene +	96	2.611	2.611	(0.481)	3843	1.00000	0.883	
	12 Carbon Disulfide	76	2.634	2.634	(0.485)	22821	1.00000	1.05	
	13 1,1,2Trichlotrifluoroethane	101	2.669	2.669	(0.492)	4336	1.00000	0.805	(M)
	14 Methyl Iodide	142	2.757	2.757	(0.508)	4838	1.00000	0.761	
	15 Acrolein	56	2.968	2.968	(0.547)	2004	5.00000	4.12	
	17 Methylene Chloride	49	3.220	3.220	(0.593)	32680	1.00000	0.0191	(M)
	18 Acetone	43	3.273	3.273	(0.603)	10641	1.00000	1.44	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.384	3.384	(0.623)	8925	1.00000	0.907	(M)
	20 Methyl Acetate	43	3.408	3.408	(0.628)	5368	1.00000	1.15	0(M)
	21 Hexane	57	3.478	3.478	(0.641)	19045	1.00000	0.417	0(M)
	22 MTBE	73	3.525	3.525	(0.649)	7692	1.00000	0.140	4619
	27 1,1-Dichloroethane ++	63	3.976	3.976	(0.732)	13053	1.00000	0.995	
	29 Acrylonitrile	53	4.017	4.017	(0.740)	12003	5.00000	5.04	
	30 Vinyl Acetate	43	4.210	4.210	(0.776)	11915	1.00000	0.862	
	31 cis-1,2-Dichloroethene	61	4.438	4.438	(0.818)	9687	1.00000	0.847	
	32 2,2-Dichloropropane	77	4.532	4.532	(0.835)	12226	1.00000	1.03	
	33 Bromochloromethane	128	4.596	4.596	(0.847)	3153	1.00000	0.967	
	34 Cyclohexane	56	4.602	4.602	(0.848)	8196	1.00000	0.779	5242
	35 Chloroform +	83	4.666	4.666	(0.860)	12618	1.00000	0.922	
	36 Carbon Tetrachloride	117	4.760	4.760	(0.877)	9147	1.00000	0.860	
$	39 Dibromofluoromethane	111	4.819	4.819	(0.888)	9080	1.00000	1.06	7568
	40 1,1,1-Trichloroethane	97	4.825	4.825	(0.889)	9471	1.00000	1.05	
	42 2-Butanone	43	4.918	4.918	(0.906)	5343	1.00000	1.28	
	43 1,1-Dichloropropene	75	4.924	4.924	(0.907)	9299	1.00000	0.962	
	45 Benzene	78	5.112	5.112	(0.942)	21299	1.00000	0.937	
$	48 1,2-Dichloroethane-d4	67	5.223	5.223	(0.962)	4779	1.00000	0.863	
	49 1,2-Dichloroethane	62	5.270	5.270	(0.971)	13395	1.00000	0.956	
*	52 FLUOROBENZENE	96	5.428	5.428	(1.000)	1129461	50.0000		
	53 Methyl Cyclohexane	83	5.540	5.540	(1.021)	9638	1.00000	1.06	8122
	54 Trichloroethene	130	5.551	5.551	(1.023)	5445	1.00000	0.961	
	57 Dibromomethane	93	5.862	5.862	(1.080)	5143	1.00000	0.956	(M)
	59 1,2-Dichloropropane +	63	5.926	5.926	(1.092)	6894	1.00000	0.948	
	60 Bromodichloromethane	83	5.973	5.973	(1.100)	11083	1.00000	0.986	
M	61 Total 1,2-Dichloroethene	61				18612	2.00000	1.75	
	64 1-Bromo-2-chloroethane	63	6.318	6.318	(1.164)	8779	1.00000	0.781	0(M)
	65 2-Chloroethyl vinyl ether	63	6.365	6.365	(1.173)	4481	1.00000	0.837	(M)
	66 cis-1,3-Dichloropropene	75	6.412	6.412	(1.181)	9799	1.00000	0.793	
$	67 Toluene-d8	98	6.547	6.547	(0.860)	20953	1.00000	0.993	
	69 Toluene +	91	6.588	6.588	(0.865)	23722	1.00000	0.964	
	71 4-methyl-2-pentanone	43	6.833	6.833	(1.259)	8579	1.00000	0.947	
	72 Tetrachloroethene	164	6.863	6.863	(0.902)	2989	1.00000	0.744	
	73 trans-1,3-Dichloropropene	75	6.863	6.863	(0.902)	11868	1.00000	0.919	
	75 1,1,2-Trichloroethane	97	6.974	6.974	(0.916)	5265	1.00000	1.66	
	76 Dibromochloromethane	129	7.109	7.109	(0.934)	8121	1.00000	0.945	
	77 1,3-Dichloropropane	76	7.173	7.173	(0.942)	10729	1.00000	0.925	
	79 1,2-Dibromoethane(EDB)	107	7.273	7.273	(0.955)	5820	1.00000	0.884	
	80 2-Hexanone	43	7.396	7.396	(0.972)	5717	1.00000	0.954	
	82 1-Chlorohexane	91	7.589	7.589	(0.997)	10158	1.00000	1.00	2658
*	83 CHLOROBENZENE-d5	82	7.612	7.612	(1.000)	623808	50.0000		
	84 Chlorobenzene ++	112	7.624	7.624	(1.002)	15204	1.00000	0.945	
	85 Ethylbenzene +	106	7.630	7.630	(1.002)	8094	1.00000	0.947	
	86 1,1,1,2-Tetrachloroethane	133	7.665	7.665	(1.007)	6655	1.00000	0.995	(M)
	87 p,m-Xylene	106	7.724	7.724	(1.015)	19413	2.00000	1.95	
	89 o-Xylene	106	8.017	8.017	(1.053)	8344	1.00000	0.856	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
90	Styrene	104	8.058	8.058	(1.059)	14260	1.00000	0.827	
91	Bromoform ++	173	8.081	8.081	(1.062)	4842	1.00000	1.01	
93	Isopropylbenzene	105	8.228	8.228	(1.081)	24473	1.00000	0.880	
$ 94	Bromofluorobenzene	174	8.433	8.433	(1.108)	5571	1.00000	0.868	
95	n-Propylbenzene	91	8.509	8.509	(0.926)	33001	1.00000	0.989	
96	Bromobenzene	77	8.509	8.509	(0.926)	13653	1.00000	0.900	
97	1,1,2,2-Tetrachloroethane++	83	8.556	8.556	(0.931)	7966	1.00000	1.00	
98	2-Chlorotoluene	91	8.632	8.632	(0.939)	23667	1.00000	0.998	
99	1,3,5-Trimethylbenzene	105	8.638	8.638	(0.940)	21507	1.00000	0.882	
100	1,2,3-Trichloropropane	75	8.667	8.667	(0.943)	10713	1.00000	1.08	
101	trans-1,4-Dichloro-2-Butene	53	8.679	8.679	(0.944)	2246	1.00000	0.872	
103	4-Chlorotoluene	91	8.744	8.744	(0.951)	20465	1.00000	0.931	
104	tert-butylbenzene	91	8.861	8.861	(0.964)	14378	1.00000	0.946	
106	1,2,4-Trimethylbenzene	105	8.902	8.902	(0.969)	22066	1.00000	0.927	
107	sec-Butylbenzene	105	8.978	8.978	(0.977)	26145	1.00000	0.878	
108	p-Isopropyltoluene	119	9.072	9.072	(0.987)	22685	1.00000	0.908	
110	1,3-Dichlorobenzene	146	9.148	9.148	(0.996)	10822	1.00000	0.915	
* 111	1,4-DICHLOROBENZENE-D4	152	9.189	9.189	(1.000)	404580	50.0000		
112	1,4-Dichlorobenzene	146	9.201	9.201	(1.001)	12567	1.00000	1.01	
115	n-Butylbenzene	91	9.342	9.342	(1.017)	25557	1.00000	0.937	
116	1,2-Dichlorobenzene	146	9.483	9.483	(1.032)	9423	1.00000	0.815	
120	1,2-Dibromo-3-Chloropropane	157	9.992	9.992	(1.087)	1528	1.00000	0.817	
122	Hexachlorobutadiene	225	10.385	10.385	(1.130)	3374	1.00000	0.724	
123	1,2,4-Trichlorobenzene	180	10.421	10.421	(1.134)	6545	1.00000	0.855	
M 124	TOTAL XYLENE	106				27757	3.00000	2.81	
125	Naphthalene	128	10.626	10.626	(1.156)	18931	1.00000	0.853	
126	1,2,3-Trichlorobenzene	180	10.750	10.750	(1.170)	7456	1.00000	1.00	

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv5.i/2060807p.s.b/g7057.d

Page 1

Date : 07-AUG-2006 11:34

Client ID: V5STD001

Instrument: msv5.i

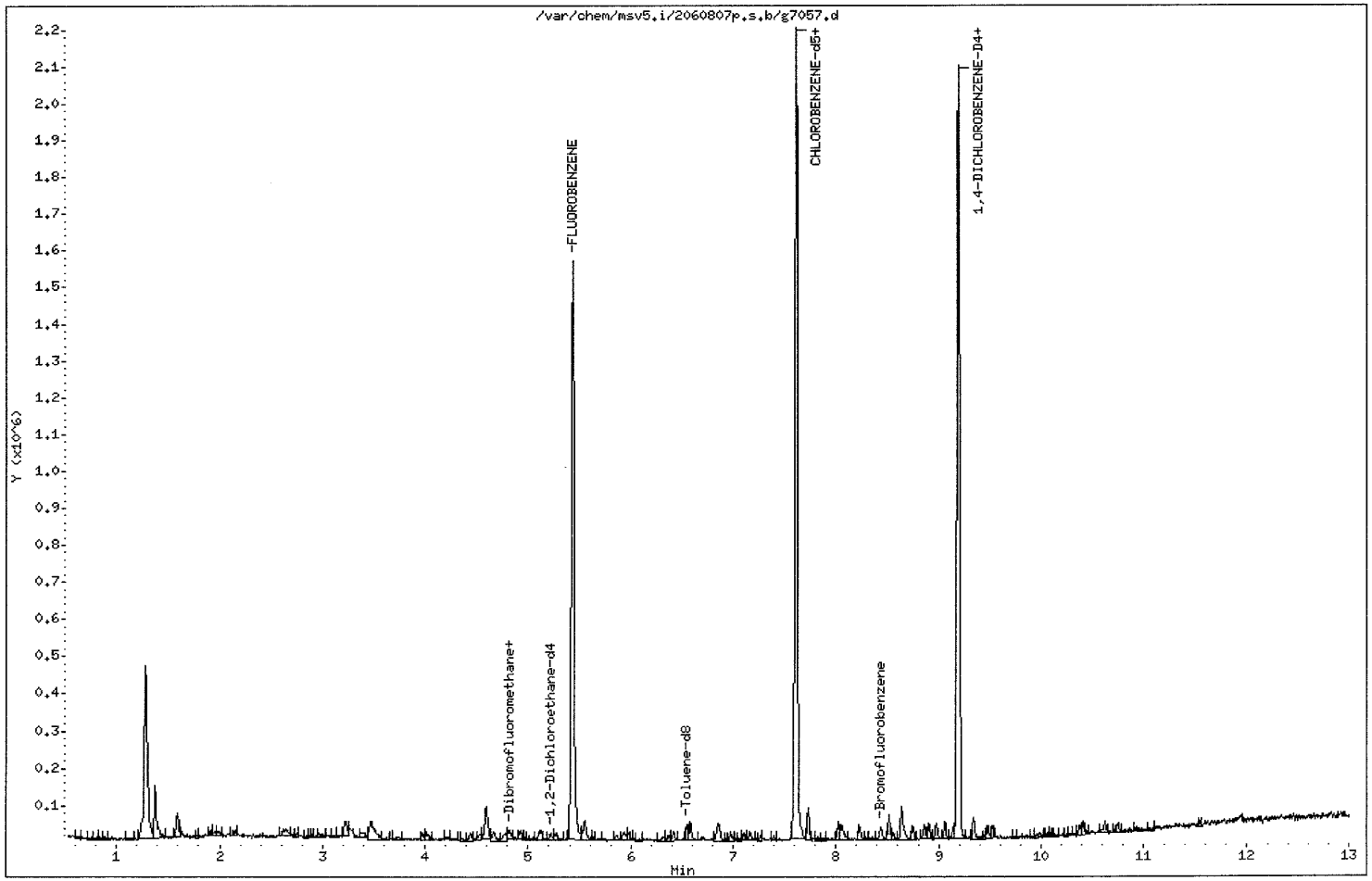
Sample Info: 1207*V5STD001*5-51-5

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

Column diameter: 0.53



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Report Date: 08/07/2006 18:48

MANUAL INTEGRATION GRAPHIC REPORT

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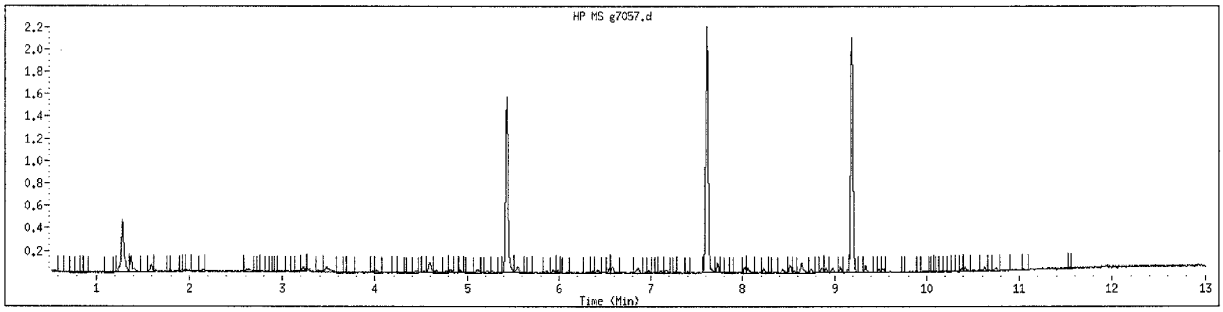
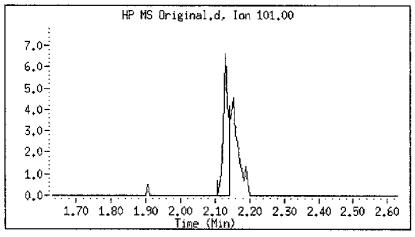
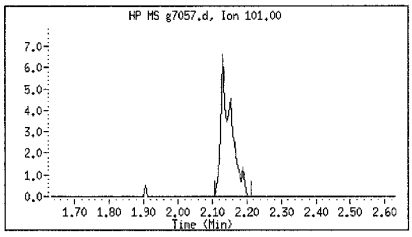
Injection Date: 07-AUG-2006 11:34 Instrument : msv5.i
Operator : JCK
Sample Info : 1207*V5STD001*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



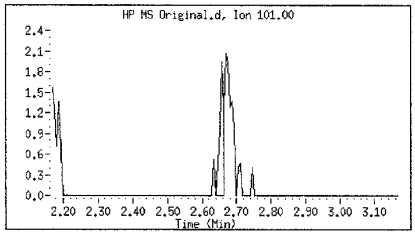
Original Final

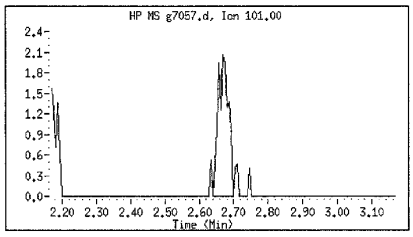
9 Trichlorofluoromethane CAS#: 75-69-4





13 1,1,2Trichlotrifluoroethane CAS#: 76-13-1





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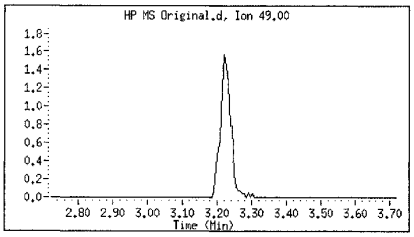
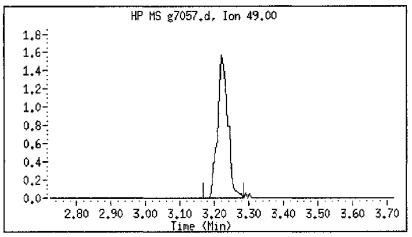
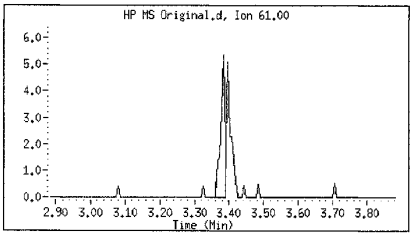
Original Final

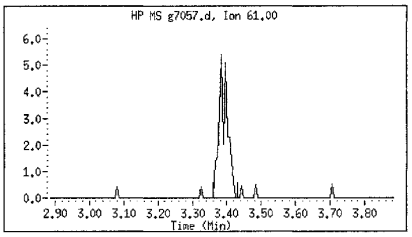
17 Methylene Chloride CAS#: 75-09-2



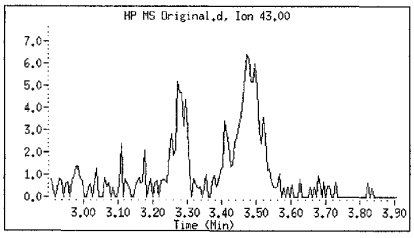


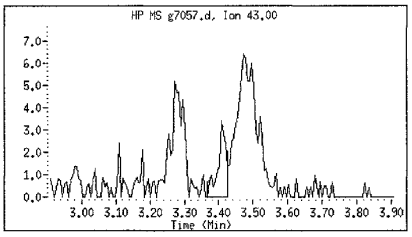
19 trans-1,2-Dichloroethene CAS#: 156-60-5



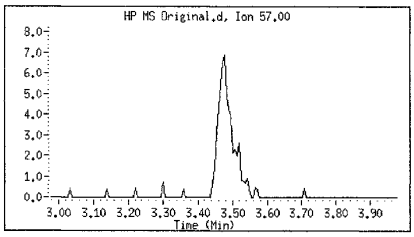


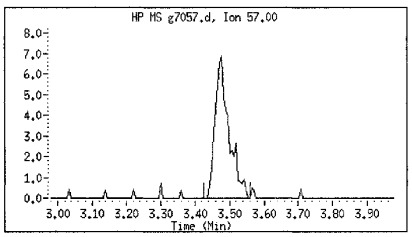
20 Methyl Acetate CAS#: 79-20-9



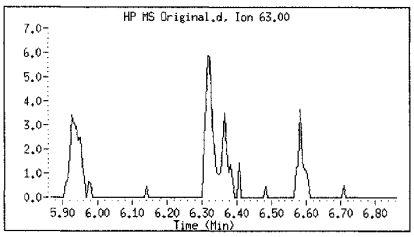


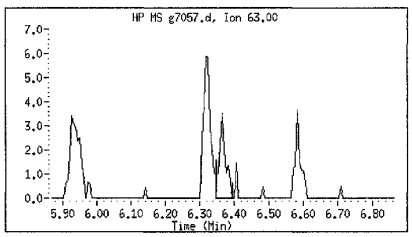
21 Hexane CAS#: 110-54-3





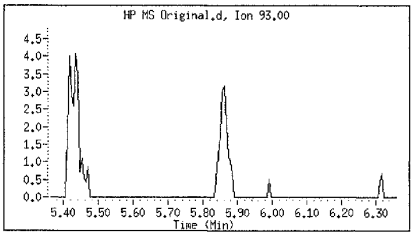
65 2-Chloroethyl vinyl ether CAS#: 110-75-8

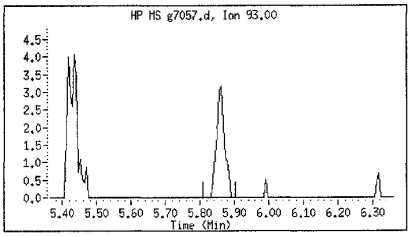




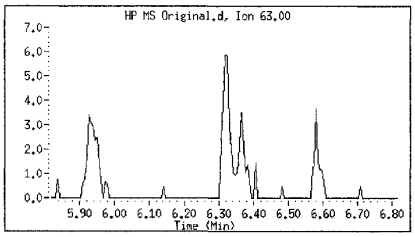
Original Final

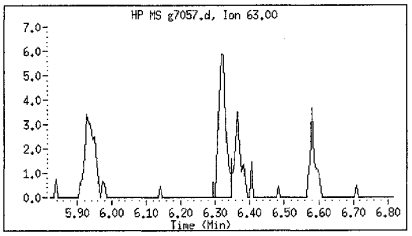
57 Dibromomethane CAS#: 74-95-3



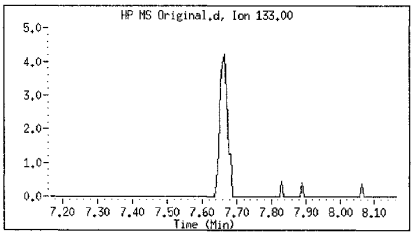


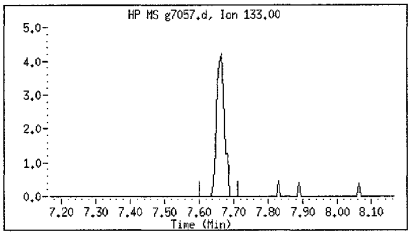
64 1-Bromo-2-chloroethane CAS#: 107-04-0





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





GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7058.d
Lab Smp Id: 1201 Client Smp ID: V5STD005
Inj Date : 07-AUG-2006 11:59
Operator : JCK Inst ID: msv5.i
Smp Info : 1201*V5STD005*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 11:59 Cal File: g7058.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.259)	74599	5.00000	5.00	
	2 Chloromethane ++	50	1.580	1.580	(0.291)	59678	5.00000	4.76	
	3 Vinyl Chloride +	62	1.638	1.638	(0.301)	49056	5.00000	4.86	
	5 Bromomethane	94	1.908	1.908	(0.351)	31988	5.00000	4.81	
M	6 1-3 Dichloropropene-Total	100				127291	10.0000	10.3	0
	8 Chloroethane	64	2.002	2.002	(0.368)	18812	5.00000	4.42	
	9 Trichlorofluoromethane	101	2.142	2.142	(0.394)	62069	5.00000	5.23	
	11 1,1-Dichloroethene +	96	2.629	2.629	(0.484)	22835	5.00000	5.39	
	12 Carbon Disulfide	76	2.634	2.634	(0.485)	105790	5.00000	4.99	
	13 1,1,2Trichlotrifluoroethane	101	2.664	2.664	(0.490)	26650	5.00000	5.08	
	14 Methyl Iodide	142	2.758	2.758	(0.507)	46928	5.00000	4.88	
	15 Acrolein	56	2.969	2.969	(0.546)	11978	25.0000	25.3	
	17 Methylene Chloride	49	3.227	3.227	(0.594)	76239	5.00000	5.22	
	18 Acetone	43	3.273	3.273	(0.602)	22767	5.00000	5.89	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.391	3.391	(0.624)	51383	5.00000	5.36	
	20 Methyl Acetate	43	3.420	3.420	(0.629)	25043	5.00000	5.50	6213
	21 Hexane	57	3.473	3.473	(0.639)	71814	5.00000	5.21	0(M)
	22 MTBE	73	3.508	3.508	(0.645)	71605	5.00000	4.74	8139
	27 1,1-Dichloroethane ++	63	3.976	3.976	(0.731)	66918	5.00000	5.23	
	29 Acrylonitrile	53	4.023	4.023	(0.740)	55390	25.0000	23.9	
	30 Vinyl Acetate	43	4.205	4.205	(0.774)	62047	5.00000	4.61	
	31 cis-1,2-Dichloroethene	61	4.439	4.439	(0.817)	56080	5.00000	5.03	
	32 2,2-Dichloropropane	77	4.533	4.533	(0.834)	62240	5.00000	5.40	
	33 Bromochloromethane	128	4.597	4.597	(0.846)	16514	5.00000	5.20	
	34 Cyclohexane	56	4.609	4.609	(0.848)	53082	5.00000	5.18	7434
	35 Chloroform +	83	4.668	4.668	(0.859)	72764	5.00000	5.46	
	36 Carbon Tetrachloride	117	4.773	4.773	(0.878)	60728	5.00000	5.66	
$	39 Dibromofluoromethane	111	4.809	4.809	(0.885)	39517	5.00000	4.73	8945
	40 1,1,1-Trichloroethane	97	4.826	4.826	(0.888)	54143	5.00000	5.04	
	42 2-Butanone	43	4.914	4.914	(0.904)	18386	5.00000	4.51	
	43 1,1-Dichloropropene	75	4.920	4.920	(0.905)	48048	5.00000	5.10	
	45 Benzene	78	5.119	5.119	(0.942)	111999	5.00000	5.06	
$	48 1,2-Dichloroethane-d4	67	5.219	5.219	(0.960)	27425	5.00000	5.08	
	49 1,2-Dichloroethane	62	5.266	5.266	(0.969)	71902	5.00000	5.27	
*	52 FLUOROBENZENE	96	5.436	5.436	(1.000)	1100487	50.0000		
	53 Methyl Cyclohexane	83	5.554	5.554	(1.022)	44619	5.00000	5.06	8971
	54 Trichloroethene	130	5.554	5.554	(1.022)	30879	5.00000	5.59	
	57 Dibromomethane	93	5.858	5.858	(1.078)	25536	5.00000	4.87	
	59 1,2-Dichloropropane +	63	5.935	5.935	(1.092)	35227	5.00000	4.97	
	60 Bromodichloromethane	83	5.976	5.976	(1.099)	56324	5.00000	5.14	
M	61 Total 1,2-Dichloroethene	61				107463	10.0000	10.4	
	64 1-Bromo-2-chloroethane	63	6.315	6.315	(1.162)	58788	5.00000	5.37	9069
	65 2-Chloroethyl vinyl ether	63	6.374	6.374	(1.173)	25963	5.00000	4.98	
	66 cis-1,3-Dichloropropene	75	6.415	6.415	(1.180)	65247	5.00000	5.42	
$	67 Toluene-d8	98	6.550	6.550	(0.861)	105570	5.00000	5.09	
	69 Toluene +	91	6.585	6.585	(0.865)	115086	5.00000	4.75	
	71 4-methyl-2-pentanone	43	6.843	6.843	(1.259)	39176	5.00000	4.44	
	72 Tetrachloroethene	164	6.849	6.849	(0.900)	22408	5.00000	5.67	
	73 trans-1,3-Dichloropropene	75	6.866	6.866	(0.902)	62044	5.00000	4.89	
	75 1,1,2-Trichloroethane	97	6.978	6.978	(0.917)	25865	5.00000	5.10	
	76 Dibromochloromethane	129	7.107	7.107	(0.934)	42335	5.00000	5.01	
	77 1,3-Dichloropropane	76	7.165	7.165	(0.941)	57115	5.00000	5.01	
	79 1,2-Dibromoethane(EDB)	107	7.271	7.271	(0.955)	33469	5.00000	5.17	
	80 2-Hexanone	43	7.400	7.400	(0.972)	27660	5.00000	4.69	
	82 1-Chlorohexane	91	7.593	7.593	(0.998)	45371	5.00000	4.56	4515
*	83 CHLOROBENZENE-d5	82	7.611	7.611	(1.000)	613490	50.0000		
	84 Chlorobenzene ++	112	7.623	7.623	(1.002)	82598	5.00000	5.22	
	85 Ethylbenzene +	106	7.629	7.629	(1.002)	42756	5.00000	5.09	
	86 1,1,1,2-Tetrachloroethane	133	7.664	7.664	(1.007)	32192	5.00000	4.90	
	87 p,m-Xylene	106	7.729	7.729	(1.015)	97462	10.0000	9.96	
	89 o-Xylene	106	8.027	8.027	(1.055)	44866	5.00000	4.68	

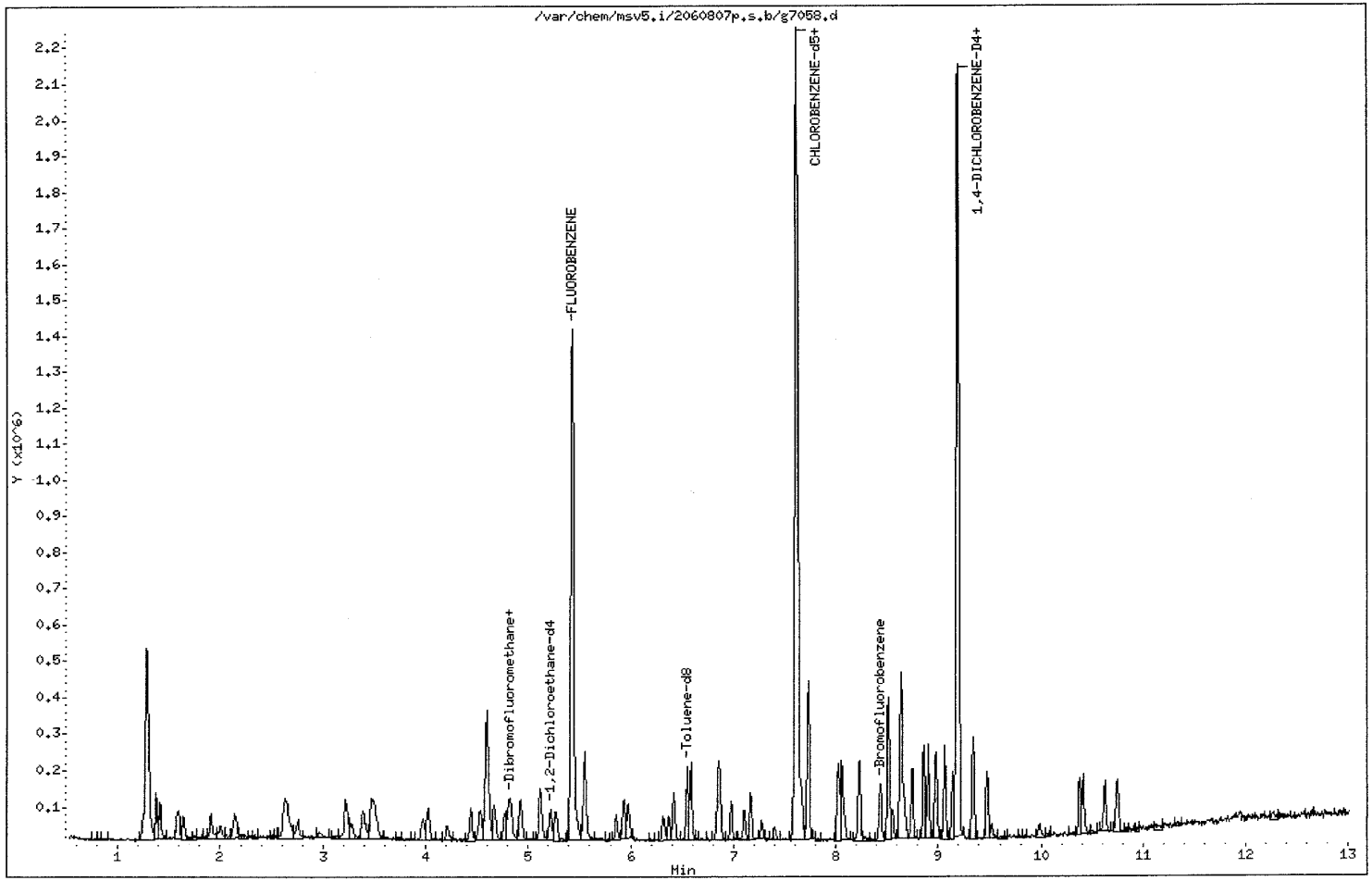
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	90 Styrene	104	8.057	8.057	(1.059)	85833	5.00000	5.06	
	91 Bromoform ++	173	8.092	8.092	(1.063)	23274	5.00000	4.92	
	93 Isopropylbenzene	105	8.233	8.233	(1.082)	127850	5.00000	4.67	
$	94 Bromofluorobenzene	174	8.438	8.438	(1.109)	32326	5.00000	5.12	
	95 n-Propylbenzene	91	8.514	8.514	(0.927)	178054	5.00000	5.26	
	96 Bromobenzene	77	8.514	8.514	(0.927)	80306	5.00000	5.21	
	97 1,1,2,2-Tetrachloroethane++	83	8.556	8.556	(0.932)	40111	5.00000	4.98	
	98 2-Chlorotoluene	91	8.638	8.638	(0.940)	127072	5.00000	5.28	
	99 1,3,5-Trimethylbenzene	105	8.638	8.638	(0.940)	128402	5.00000	5.19	
	100 1,2,3-Trichloropropane	75	8.662	8.662	(0.943)	53926	5.00000	5.33	
	101 trans-1,4-Dichloro-2-Butene	53	8.673	8.673	(0.944)	13038	5.00000	4.99	
	103 4-Chlorotoluene	91	8.744	8.744	(0.952)	115385	5.00000	5.17	
	104 tert-butylbenzene	91	8.861	8.861	(0.965)	82091	5.00000	5.32	
	106 1,2,4-Trimethylbenzene	105	8.902	8.902	(0.969)	123132	5.00000	5.09	
	107 sec-Butylbenzene	105	8.979	8.979	(0.978)	155780	5.00000	5.15	
	108 p-Isopropyltoluene	119	9.061	9.061	(0.987)	130039	5.00000	5.13	
	110 1,3-Dichlorobenzene	146	9.143	9.143	(0.996)	59508	5.00000	4.96	
*	111 1,4-DICHLOROBENZENE-D4	152	9.184	9.184	(1.000)	410642	50.0000		
	112 1,4-Dichlorobenzene	146	9.202	9.202	(1.002)	57848	5.00000	4.59	
	115 n-Butylbenzene	91	9.343	9.343	(1.017)	137572	5.00000	4.97	
	116 1,2-Dichlorobenzene	146	9.478	9.478	(1.032)	61092	5.00000	5.21	
	120 1,2-Dibromo-3-Chloropropane	157	9.982	9.982	(1.087)	6485	5.00000	4.21	
	122 Hexachlorobutadiene	225	10.381	10.381	(1.130)	24947	5.00000	5.27	
	123 1,2,4-Trichlorobenzene	180	10.411	10.411	(1.134)	36992	5.00000	4.76	
M	124 TOTAL XYLENE	106				142328	15.0000	14.6	
	125 Naphthalene	128	10.623	10.623	(1.157)	102789	5.00000	4.56	
	126 1,2,3-Trichlorobenzene	180	10.740	10.740	(1.169)	38673	5.00000	5.12	

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/msv5.i/2060807p.s.b/g7058.d
Date : 07-AUG-2006 11:59
Client ID: V5STD005
Sample Info: 1201*V5STD005*5-51-5
Purge Volume: 5.0
Column phase: DB-VRX-30M

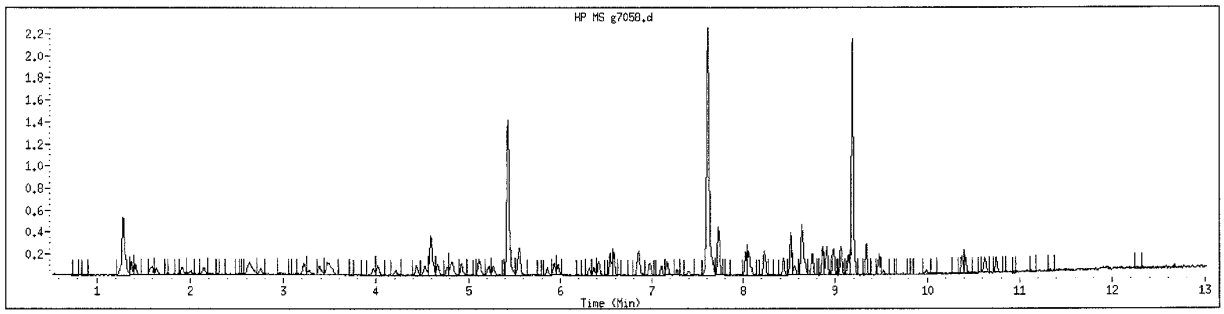
Instrument: msv5.i
Operator: JCK
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060807p.s.b/g7058.d Page: 1
Report Date: 08/07/2006 18:48

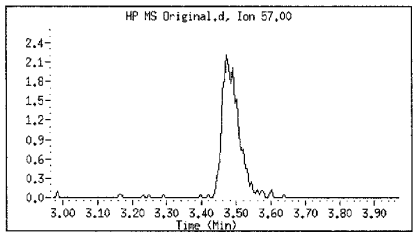
MANUAL INTEGRATION GRAPHIC REPORT

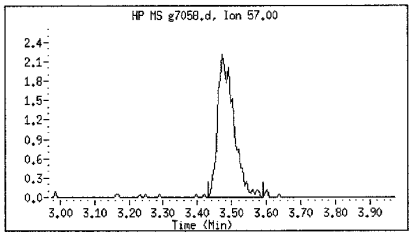
Lab ID : 1201 SampleType : CALIB_1
Injection Date: 07-AUG-2006 11:59 Instrument : msv5.i
Operator : JCK
Sample Info : 1201*V5STD005*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



Original Final

21 Hexane CAS#: 110-54-3





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GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7059.d
Lab Smp Id: 1208 Client Smp ID: V5STD010
Inj Date : 07-AUG-2006 12:25
Operator : JCK Inst ID: msv5.i
Smp Info : 1208*V5STD010*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 12:25 Cal File: g7059.d
Als bottle: 6 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.260)	146193	10.0000	9.58	
	2 Chloromethane ++	50	1.574	1.574	(0.290)	130681	10.0000	10.2	
	3 Vinyl Chloride +	62	1.638	1.638	(0.302)	109505	10.0000	10.6	
	5 Bromomethane	94	1.908	1.908	(0.351)	63296	10.0000	9.32	
M	6 1-3 Dichloropropene-Total	100				263597	20.0000	20.9	0
	8 Chloroethane	64	2.008	2.008	(0.370)	34357	10.0000	8.58	
	9 Trichlorofluoromethane	101	2.137	2.137	(0.393)	123810	10.0000	10.2	
	11 1,1-Dichloroethene +	96	2.617	2.617	(0.482)	49642	10.0000	11.5	
	12 Carbon Disulfide	76	2.641	2.641	(0.486)	216974	10.0000	10.0	
	13 1,1,2Trichlotrifluoroethane	101	2.664	2.664	(0.490)	53587	10.0000	9.98	
	14 Methyl Iodide	142	2.752	2.752	(0.507)	100011	10.0000	9.84	
	15 Acrolein	56	2.969	2.969	(0.547)	23430	50.0000	48.3	
	17 Methylene Chloride	49	3.221	3.221	(0.593)	115636	10.0000	9.53	
	18 Acetone	43	3.280	3.280	(0.604)	34513	10.0000	10.1	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.385	3.385	(0.623)	98287	10.0000	10.0	
	20 Methyl Acetate	43	3.415	3.415	(0.629)	42300	10.0000	9.09	7608
	21 Hexane	57	3.479	3.479	(0.641)	122724	10.0000	9.54	0(M)
	22 MTBE	73	3.520	3.520	(0.648)	154189	10.0000	10.4	8388
	27 1,1-Dichloroethane ++	63	3.971	3.971	(0.731)	142949	10.0000	10.9	
	29 Acrylonitrile	53	4.024	4.024	(0.741)	124904	50.0000	52.6	
	30 Vinyl Acetate	43	4.212	4.212	(0.775)	147920	10.0000	10.7	
	31 cis-1,2-Dichloroethene	61	4.440	4.440	(0.817)	126278	10.0000	11.1	
	32 2,2-Dichloropropane	77	4.528	4.528	(0.834)	119044	10.0000	10.1	
	33 Bromochloromethane	128	4.604	4.604	(0.848)	31637	10.0000	9.74	
	34 Cyclohexane	56	4.598	4.598	(0.847)	110375	10.0000	10.5	7470
	35 Chloroform +	83	4.669	4.669	(0.860)	145957	10.0000	10.7	
	36 Carbon Tetrachloride	117	4.769	4.769	(0.878)	104432	10.0000	9.50	
$	39 Dibromofluoromethane	111	4.810	4.810	(0.886)	86387	10.0000	10.1	9310
	40 1,1,1-Trichloroethane	97	4.833	4.833	(0.890)	113634	10.0000	10.1	
	42 2-Butanone	43	4.916	4.916	(0.905)	42386	10.0000	10.2	
	43 1,1-Dichloropropene	75	4.922	4.922	(0.906)	97280	10.0000	10.1	
	45 Benzene	78	5.115	5.115	(0.942)	226957	10.0000	10.0	
$	48 1,2-Dichloroethane-d4	67	5.221	5.221	(0.961)	60587	10.0000	11.0	
	49 1,2-Dichloroethane	62	5.274	5.274	(0.971)	138385	10.0000	9.91	
*	52 FLUOROBENZENE	96	5.432	5.432	(1.000)	1125165	50.0000		
	53 Methyl Cyclohexane	83	5.549	5.549	(1.022)	87967	10.0000	9.75	9048
	54 Trichloroethene	130	5.555	5.555	(1.023)	57433	10.0000	10.2	
	57 Dibromomethane	93	5.860	5.860	(1.079)	54575	10.0000	10.2	
	59 1,2-Dichloropropane +	63	5.931	5.931	(1.092)	74271	10.0000	10.3	
	60 Bromodichloromethane	83	5.978	5.978	(1.100)	126446	10.0000	11.3	
M	61 Total 1,2-Dichloroethene	61				224565	20.0000	21.1	
	64 1-Bromo-2-chloroethane	63	6.323	6.323	(1.164)	113826	10.0000	10.2	9537
	65 2-Chloroethyl vinyl ether	63	6.376	6.376	(1.174)	60295	10.0000	11.3	
	66 cis-1,3-Dichloropropene	75	6.417	6.417	(1.181)	129466	10.0000	10.5	
$	67 Toluene-d8	98	6.546	6.546	(0.860)	204832	10.0000	9.29	
	69 Toluene +	91	6.587	6.587	(0.865)	255759	10.0000	9.95	
	71 4-methyl-2-pentanone	43	6.839	6.839	(1.259)	97842	10.0000	10.8	
	72 Tetrachloroethene	164	6.851	6.851	(0.900)	42408	10.0000	10.1	
	73 trans-1,3-Dichloropropene	75	6.863	6.863	(0.901)	134131	10.0000	9.95	
	75 1,1,2-Trichloroethane	97	6.980	6.980	(0.917)	57042	10.0000	9.74	
	76 Dibromochloromethane	129	7.103	7.103	(0.933)	88346	10.0000	9.84	
	77 1,3-Dichloropropane	76	7.168	7.168	(0.941)	118272	10.0000	9.77	
	79 1,2-Dibromoethane(EDB)	107	7.274	7.274	(0.955)	70946	10.0000	10.3	
	80 2-Hexanone	43	7.397	7.397	(0.971)	63512	10.0000	10.2	
	82 1-Chlorohexane	91	7.590	7.590	(0.997)	100167	10.0000	9.47	7544
*	83 CHLOROBENZENE-d5	82	7.614	7.614	(1.000)	651388	50.0000		
	84 Chlorobenzene ++	112	7.626	7.626	(1.002)	170705	10.0000	10.2	
	85 Ethylbenzene +	106	7.631	7.631	(1.002)	83673	10.0000	9.38	
	86 1,1,1,2-Tetrachloroethane	133	7.661	7.661	(1.006)	66435	10.0000	9.52	
	87 p,m-Xylene	106	7.726	7.726	(1.015)	205411	20.0000	19.8	
	89 o-Xylene	106	8.025	8.025	(1.054)	96878	10.0000	9.52	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	90 Styrene	104	8.060	8.060	(1.059)	179837	10.0000	9.99	
	91 Bromoform ++	173	8.095	8.095	(1.063)	48847	10.0000	9.73	
	93 Isopropylbenzene	105	8.230	8.230	(1.081)	281468	10.0000	9.69	
$	94 Bromofluorobenzene	174	8.435	8.435	(1.108)	66295	10.0000	9.89	
	95 n-Propylbenzene	91	8.512	8.512	(0.926)	374112	10.0000	10.1	
	96 Bromobenzene	77	8.518	8.518	(0.927)	169537	10.0000	10.0	
	97 1,1,2,2-Tetrachloroethane++	83	8.559	8.559	(0.931)	97641	10.0000	11.0	
	98 2-Chlorotoluene	91	8.636	8.636	(0.940)	261985	10.0000	9.92	
	99 1,3,5-Trimethylbenzene	105	8.636	8.636	(0.940)	262704	10.0000	9.67	
	100 1,2,3-Trichloropropane	75	8.665	8.665	(0.943)	123881	10.0000	11.2	
	101 trans-1,4-Dichloro-2-Butene	53	8.677	8.677	(0.944)	28771	10.0000	10.0	
	103 4-Chlorotoluene	91	8.748	8.748	(0.952)	250375	10.0000	10.2	
	104 tert-butylbenzene	91	8.865	8.865	(0.965)	166835	10.0000	9.85	
	106 1,2,4-Trimethylbenzene	105	8.906	8.906	(0.969)	268959	10.0000	10.1	
	107 sec-Butylbenzene	105	8.977	8.977	(0.977)	336149	10.0000	10.1	
	108 p-Isopropyltoluene	119	9.065	9.065	(0.987)	276629	10.0000	9.94	
	110 1,3-Dichlorobenzene	146	9.147	9.147	(0.995)	125658	10.0000	9.53	
*	111 1,4-DICHLOROBENZENE-D4	152	9.189	9.189	(1.000)	450769	50.0000		
	112 1,4-Dichlorobenzene	146	9.201	9.201	(1.001)	129665	10.0000	9.37	
	115 n-Butylbenzene	91	9.342	9.342	(1.017)	311448	10.0000	10.2	
	116 1,2-Dichlorobenzene	146	9.477	9.477	(1.031)	128017	10.0000	9.94	
	120 1,2-Dibromo-3-Chloropropane	157	9.987	9.987	(1.087)	16424	10.0000	10.0	
	122 Hexachlorobutadiene	225	10.374	10.374	(1.129)	54686	10.0000	10.5	
	123 1,2,4-Trichlorobenzene	180	10.410	10.410	(1.133)	84685	10.0000	9.93	
M	124 TOTAL XYLENE	106				302289	30.0000	29.3	
	125 Naphthalene	128	10.622	10.622	(1.156)	237148	10.0000	9.59	
	126 1,2,3-Trichlorobenzene	180	10.745	10.745	(1.169)	77623	10.0000	9.37	

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/msv5.i/2060807p.s.b/g7059.d

Page 1

Date : 07-AUG-2006 12:25

Client ID: V5STD010

Instrument: msv5.i

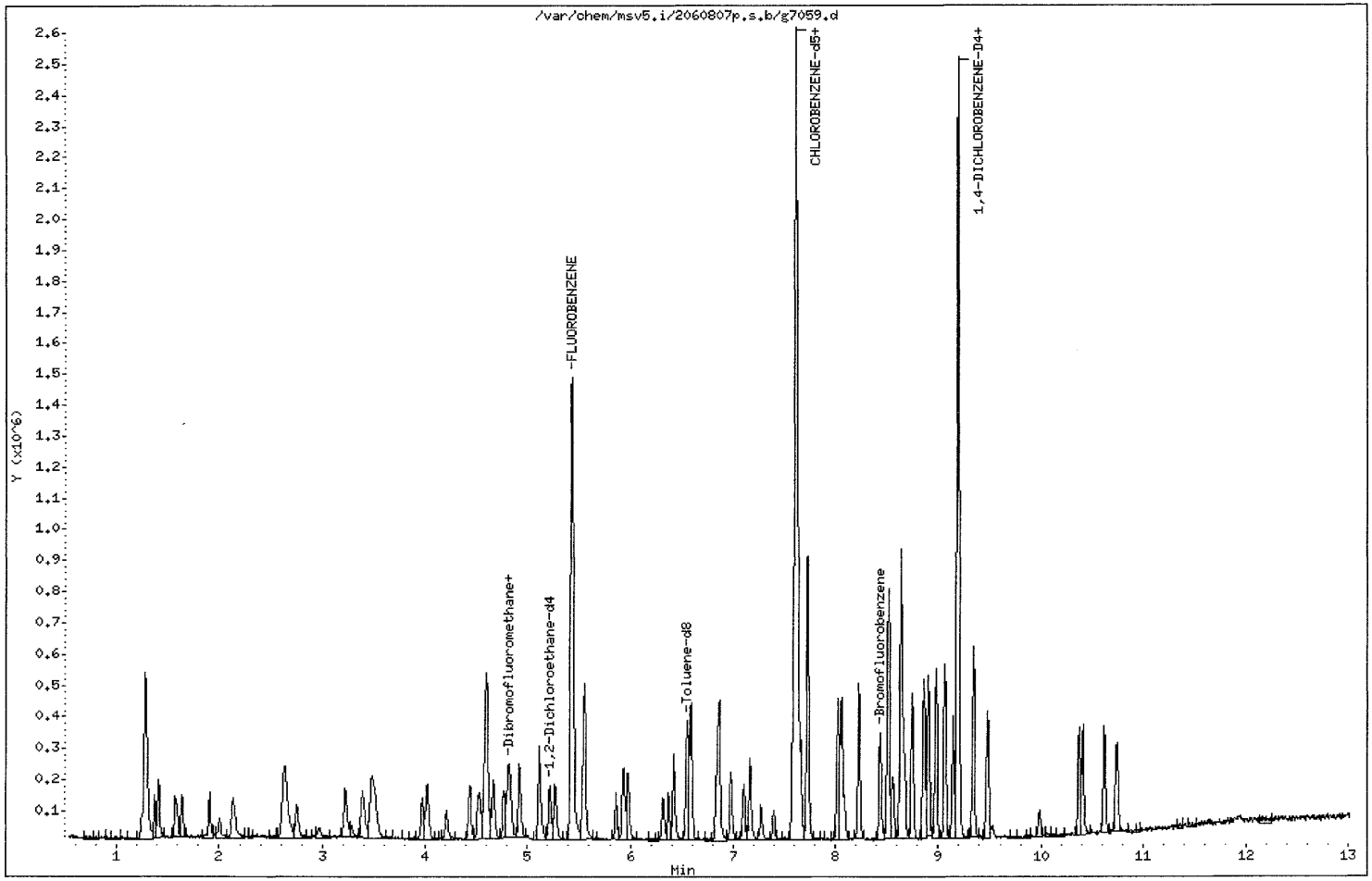
Sample Info: 1208*V5STD010*5-51-5

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

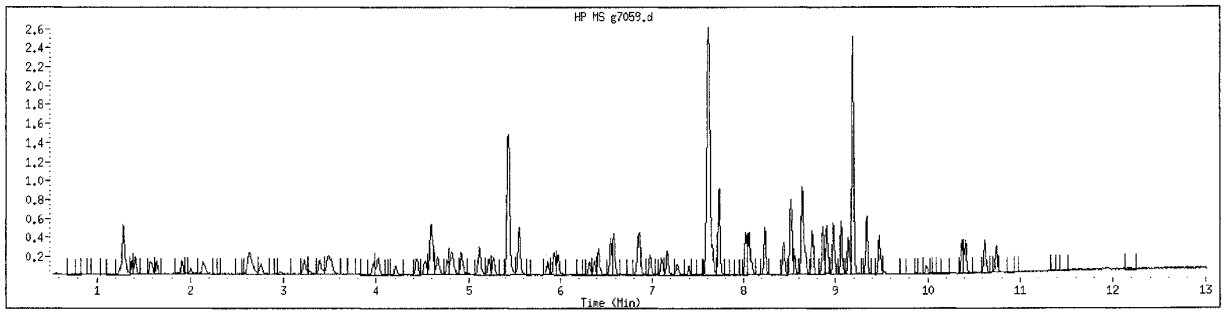
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060807p.s.b/g7059.d Page: 1
Report Date: 08/07/2006 18:48

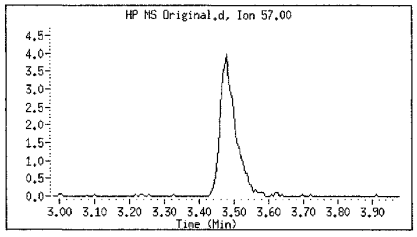
MANUAL INTEGRATION GRAPHIC REPORT

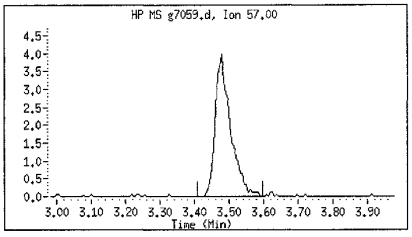
Lab ID : 1208 SampleType : CALIB_8
Injection Date: 07-AUG-2006 12:25 Instrument : msv5.i
Operator : JCK
Sample Info : 1208*V5STD010*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



Original Final

21 Hexane CAS#: 110-54-3





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GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7060.d
Lab Smp Id: 1202 Client Smp ID: V5STD020
Inj Date : 07-AUG-2006 12:50
Operator : JCK Inst ID: msv5.i
Smp Info : 1202*V5STD020*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 12:50 Cal File: g7060.d
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.259)	291061	20.0000	18.7	
	2 Chloromethane ++	50	1.574	1.574	(0.290)	246929	20.0000	18.8	
	3 Vinyl Chloride +	62	1.644	1.644	(0.303)	220141	20.0000	20.9	
	5 Bromomethane	94	1.914	1.914	(0.352)	131047	20.0000	18.9	
M	6 1-3 Dichloropropene-Total	100				535791	40.0000	41.6	0
	8 Chloroethane	64	2.008	2.008	(0.369)	74491	20.0000	24.8	
	9 Trichlorofluoromethane	101	2.137	2.137	(0.393)	233612	20.0000	18.9	
	11 1,1-Dichloroethene +	96	2.623	2.623	(0.483)	95354	20.0000	21.5	
	12 Carbon Disulfide	76	2.641	2.641	(0.486)	426128	20.0000	19.3	
	13 1,1,2Trichlotrifluoroethane	101	2.670	2.670	(0.491)	116258	20.0000	21.2	
	14 Methyl Iodide	142	2.758	2.758	(0.508)	218059	20.0000	20.7	
	15 Acrolein	56	2.970	2.970	(0.547)	51105	100.000	103	
	17 Methylene Chloride	49	3.227	3.227	(0.594)	217855	20.0000	20.7	
	18 Acetone	43	3.286	3.286	(0.605)	54527	20.0000	17.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.392	3.392	(0.624)	206452	20.0000	20.6	
	20 Methyl Acetate	43	3.415	3.415	(0.629)	91848	20.0000	19.3	8644
	21 Hexane	57	3.474	3.474	(0.639)	254788	20.0000	20.7	9135
	22 MTBE	73	3.515	3.515	(0.647)	312163	20.0000	21.0	9217
	27 1,1-Dichloroethane ++	63	3.972	3.972	(0.731)	264936	20.0000	19.8	
	29 Acrylonitrile	53	4.025	4.025	(0.741)	245826	100.000	101	
	30 Vinyl Acetate	43	4.212	4.212	(0.775)	290131	20.0000	20.6	
	31 cis-1,2-Dichloroethene	61	4.441	4.441	(0.817)	240262	20.0000	20.7	
	32 2,2-Dichloropropane	77	4.529	4.529	(0.833)	234347	20.0000	19.5	
	33 Bromochloromethane	128	4.605	4.605	(0.848)	68282	20.0000	20.6	
	34 Cyclohexane	56	4.599	4.599	(0.846)	222027	20.0000	20.7	8025
	35 Chloroform +	83	4.670	4.670	(0.860)	291335	20.0000	20.9	
	36 Carbon Tetrachloride	117	4.770	4.770	(0.878)	229659	20.0000	20.4	
$	39 Dibromofluoromethane	111	4.805	4.805	(0.884)	184530	20.0000	21.1	8503
	40 1,1,1-Trichloroethane	97	4.829	4.829	(0.889)	238194	20.0000	20.5	
	42 2-Butanone	43	4.917	4.917	(0.905)	80365	20.0000	18.9	
	43 1,1-Dichloropropene	75	4.929	4.929	(0.907)	197192	20.0000	20.0	
	45 Benzene	78	5.116	5.116	(0.942)	464876	20.0000	20.1	
$	48 1,2-Dichloroethane-d4	67	5.222	5.222	(0.961)	123217	20.0000	21.9	
	49 1,2-Dichloroethane	62	5.275	5.275	(0.971)	292455	20.0000	20.5	
*	52 FLUOROBENZENE	96	5.433	5.433	(1.000)	1149087	50.0000		
	53 Methyl Cyclohexane	83	5.545	5.545	(1.021)	188473	20.0000	20.5	9014
	54 Trichloroethene	130	5.557	5.557	(1.023)	122669	20.0000	21.3	
	57 Dibromomethane	93	5.862	5.862	(1.079)	113794	20.0000	20.8	
	59 1,2-Dichloropropane +	63	5.932	5.932	(1.092)	147489	20.0000	19.9	
	60 Bromodichloromethane	83	5.974	5.974	(1.099)	241277	20.0000	21.1	
M	61 Total 1,2-Dichloroethene	61				446714	40.0000	41.3	
	64 1-Bromo-2-chloroethane	63	6.313	6.313	(1.162)	233390	20.0000	20.4	9485
	65 2-Chloroethyl vinyl ether	63	6.372	6.372	(1.173)	111777	20.0000	20.5	
	66 cis-1,3-Dichloropropene	75	6.419	6.419	(1.181)	257612	20.0000	20.5	
$	67 Toluene-d8	98	6.548	6.548	(0.860)	428868	20.0000	19.9	
	69 Toluene +	91	6.584	6.584	(0.865)	508839	20.0000	20.2	
	71 4-methyl-2-pentanone	43	6.836	6.836	(1.258)	176629	20.0000	19.2	
	72 Tetrachloroethene	164	6.854	6.854	(0.900)	87061	20.0000	21.2	
	73 trans-1,3-Dichloropropene	75	6.865	6.865	(0.902)	278179	20.0000	21.1	
	75 1,1,2-Trichloroethane	97	6.977	6.977	(0.917)	115725	20.0000	19.3	
	76 Dibromochloromethane	129	7.106	7.106	(0.934)	180628	20.0000	20.6	
	77 1,3-Dichloropropane	76	7.171	7.171	(0.942)	237084	20.0000	20.0	
	79 1,2-Dibromoethane(EDB)	107	7.276	7.276	(0.956)	140210	20.0000	20.8	
	80 2-Hexanone	43	7.400	7.400	(0.972)	126549	20.0000	20.7	
	82 1-Chlorohexane	91	7.593	7.593	(0.998)	192541	20.0000	18.6	7679
*	83 CHLOROBENZENE-d5	82	7.611	7.611	(1.000)	637694	50.0000		
	84 Chlorobenzene ++	112	7.623	7.623	(1.002)	342444	20.0000	20.8	
	85 Ethylbenzene +	106	7.629	7.629	(1.002)	171417	20.0000	19.6	
	86 1,1,1,2-Tetrachloroethane	133	7.664	7.664	(1.007)	141152	20.0000	20.7	
	87 p,m-Xylene	106	7.729	7.729	(1.016)	402791	40.0000	39.6	
	89 o-Xylene	106	8.022	8.022	(1.054)	207047	20.0000	20.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
90	Styrene	104	8.057	8.057	(1.059)	386436	20.0000	21.9	
91	Bromoform ++	173	8.087	8.087	(1.063)	104996	20.0000	21.4	
93	Isopropylbenzene	105	8.228	8.228	(1.081)	584306	20.0000	20.5	
$ 94	Bromofluorobenzene	174	8.439	8.439	(1.109)	129354	20.0000	19.7	
95	n-Propylbenzene	91	8.516	8.516	(0.927)	764305	20.0000	20.4	
96	Bromobenzene	77	8.516	8.516	(0.927)	326926	20.0000	19.2	
97	1,1,2,2-Tetrachloroethane++	83	8.557	8.557	(0.931)	173819	20.0000	19.5	
98	2-Chlorotoluene	91	8.634	8.634	(0.940)	543191	20.0000	20.4	
99	1,3,5-Trimethylbenzene	105	8.640	8.640	(0.940)	539040	20.0000	19.7	
100	1,2,3-Trichloropropane	75	8.663	8.663	(0.943)	226560	20.0000	20.3	
101	trans-1,4-Dichloro-2-Butene	53	8.675	8.675	(0.944)	58071	20.0000	20.1	
103	4-Chlorotoluene	91	8.746	8.746	(0.952)	517385	20.0000	21.0	
104	tert-butylbenzene	91	8.863	8.863	(0.965)	342064	20.0000	20.1	
106	1,2,4-Trimethylbenzene	105	8.905	8.905	(0.969)	547555	20.0000	20.5	
107	sec-Butylbenzene	105	8.981	8.981	(0.978)	683768	20.0000	20.5	
108	p-Isopropyltoluene	119	9.064	9.064	(0.987)	584000	20.0000	20.8	
110	1,3-Dichlorobenzene	146	9.140	9.140	(0.995)	265911	20.0000	20.0	
* 111	1,4-DICHLOROBENZENE-D4	152	9.187	9.187	(1.000)	453957	50.0000		
112	1,4-Dichlorobenzene	146	9.199	9.199	(1.001)	282780	20.0000	20.3	
115	n-Butylbenzene	91	9.341	9.341	(1.017)	652070	20.0000	21.3	
116	1,2-Dichlorobenzene	146	9.476	9.476	(1.031)	271998	20.0000	21.0	
120	1,2-Dibromo-3-Chloropropane	157	9.986	9.986	(1.087)	33317	20.0000	20.5	
122	Hexachlorobutadiene	225	10.374	10.374	(1.129)	114682	20.0000	21.9	
123	1,2,4-Trichlorobenzene	180	10.409	10.409	(1.133)	182871	20.0000	21.3	
M 124	TOTAL XYLENE	106				609838	60.0000	60.4	
125	Naphthalene	128	10.621	10.621	(1.156)	501747	20.0000	20.1	
126	1,2,3-Trichlorobenzene	180	10.745	10.745	(1.170)	169739	20.0000	20.3	

Data File: /var/chem/msv5.i/2060807p.s.b/g7060.d

Page 1

Date : 07-AUG-2006 12:50

Client ID: V5STD020

Instrument: msv5.i

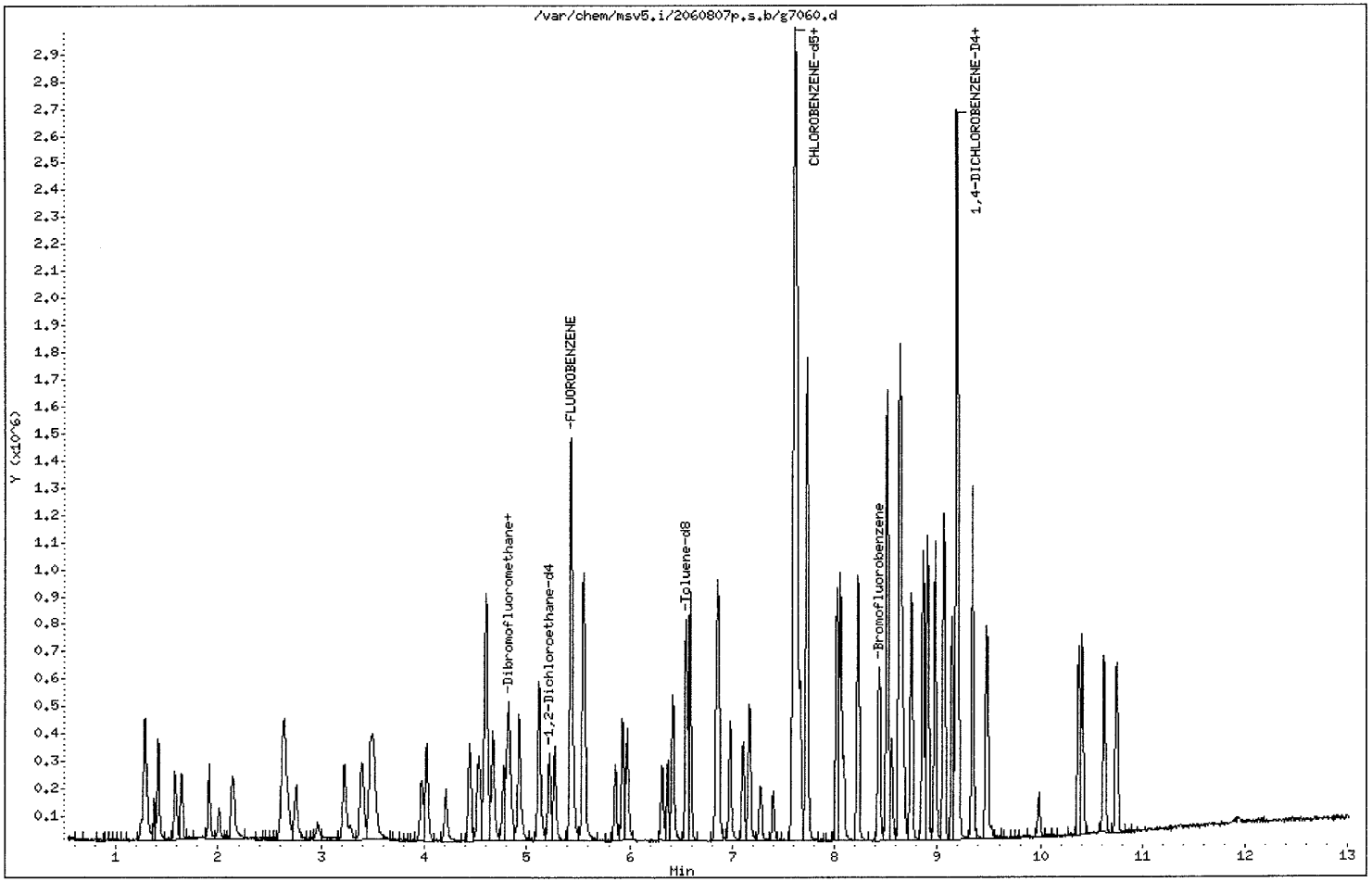
Sample Info: 1202*V5STD020*5-51-5

Operator: JCK

Purge Volume: 5.0

Column phase: DB-VRX-30M

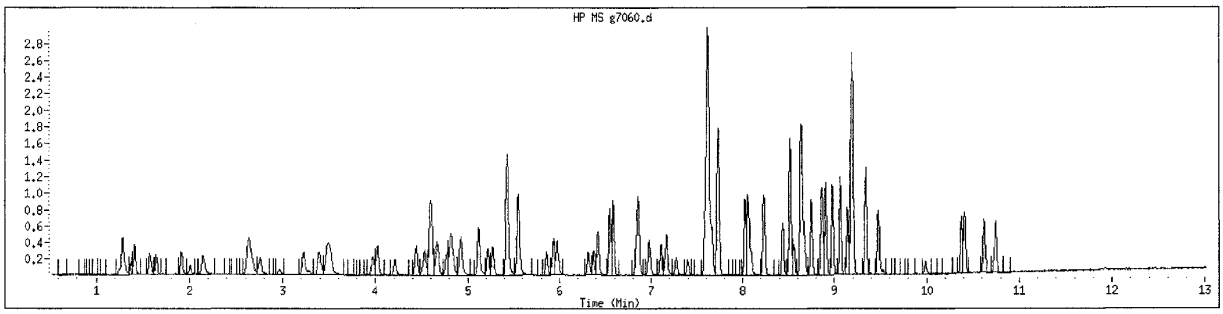
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060807p.s.b/g7060.d Page: 1
Report Date: 08/07/2006 18:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1202	SampleType	: CALIB_2
Injection Date	: 07-AUG-2006 12:50	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1202*V5STD020*5-51-5		
Misc Info	: MSV~8821~*1*VWM		
Method	: /var/chem/msv5.i/2060807p.s.b/8260Bw5.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

000383

166844

GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7061.d
Lab Smp Id: 1203 Client Smp ID: V5STD050
Inj Date : 07-AUG-2006 13:15
Operator : JCK Inst ID: msv5.i
Smp Info : 1203*V5STD050*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 13:15 Cal File: g7061.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(0.260)	738980	50.0000	45.3	
	2 Chloromethane ++	50	1.574	1.574	(0.290)	650307	50.0000	47.4	
	3 Vinyl Chloride +	62	1.638	1.638	(0.302)	559490	50.0000	50.8	
	5 Bromomethane	94	1.908	1.908	(0.351)	325015	50.0000	44.8	
M	6 1-3 Dichloropropene-Total	100				1354803	100.000	101	0
	8 Chloroethane	64	2.008	2.008	(0.370)	114558	50.0000	46.1	
	9 Trichlorofluoromethane	101	2.137	2.137	(0.394)	606677	50.0000	46.8	
	11 1,1-Dichloroethene +	96	2.624	2.624	(0.483)	252173	50.0000	54.5	
	12 Carbon Disulfide	76	2.635	2.635	(0.485)	1115118	50.0000	48.1	
	13 1,1,2Trichlotrifluoroethane	101	2.659	2.659	(0.490)	293863	50.0000	51.2	
	14 Methyl Iodide	142	2.759	2.759	(0.508)	546731	50.0000	49.1	
	15 Acrolein	56	2.970	2.970	(0.547)	150355	250.000	290	(A)
	17 Methylene Chloride	49	3.222	3.222	(0.593)	513762	50.0000	51.3	
	18 Acetone	43	3.293	3.293	(0.606)	134210	50.0000	51.5	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.387	3.387	(0.624)	527671	50.0000	50.3	
	20 Methyl Acetate	43	3.416	3.416	(0.629)	238030	50.0000	47.9	8482
	21 Hexane	57	3.481	3.481	(0.641)	640021	50.0000	51.4	9270
	22 MTBE	73	3.510	3.510	(0.646)	787541	50.0000	51.3	9476
	27 1,1-Dichloroethane ++	63	3.973	3.973	(0.732)	691315	50.0000	49.5	
	29 Acrylonitrile	53	4.020	4.020	(0.740)	636210	250.000	251	(A)
	30 Vinyl Acetate	43	4.208	4.208	(0.775)	769322	50.0000	52.3	
	31 cis-1,2-Dichloroethene	61	4.442	4.442	(0.818)	605294	50.0000	49.7	
	32 2,2-Dichloropropane	77	4.530	4.530	(0.834)	616874	50.0000	49.0	
	33 Bromochloromethane	128	4.607	4.607	(0.848)	175251	50.0000	50.5	
	34 Cyclohexane	56	4.607	4.607	(0.848)	574578	50.0000	51.3	9340
	35 Chloroform +	83	4.666	4.666	(0.859)	733804	50.0000	50.4	
	36 Carbon Tetrachloride	117	4.772	4.772	(0.879)	579782	50.0000	49.2	
$	39 Dibromofluoromethane	111	4.807	4.807	(0.885)	446728	50.0000	48.9	8862
	40 1,1,1-Trichloroethane	97	4.831	4.831	(0.890)	594547	50.0000	48.7	
	42 2-Butanone	43	4.913	4.913	(0.905)	211129	50.0000	47.4	
	43 1,1-Dichloropropene	75	4.925	4.925	(0.907)	513914	50.0000	49.9	
	45 Benzene	78	5.119	5.119	(0.943)	1164259	50.0000	48.1	
$	48 1,2-Dichloroethane-d4	67	5.225	5.225	(0.962)	306819	50.0000	52.1	
	49 1,2-Dichloroethane	62	5.272	5.272	(0.971)	723340	50.0000	48.5	
*	52 FLUOROBENZENE	96	5.430	5.430	(1.000)	1202321	50.0000		
	53 Methyl Cyclohexane	83	5.548	5.548	(1.022)	478725	50.0000	49.7	9170
	54 Trichloroethene	130	5.554	5.554	(1.023)	309972	50.0000	51.4	
	57 Dibromomethane	93	5.859	5.859	(1.079)	284788	50.0000	49.7	
	59 1,2-Dichloropropane +	63	5.936	5.936	(1.093)	383657	50.0000	49.6	
	60 Bromodichloromethane	83	5.977	5.977	(1.101)	625766	50.0000	52.3	
M	61 Total 1,2-Dichloroethene	61				1132965	100.000	100	
	64 1-Bromo-2-chloroethane	63	6.317	6.317	(1.163)	566945	50.0000	47.4	9614
	65 2-Chloroethyl vinyl ether	63	6.370	6.370	(1.173)	301238	50.0000	52.9	
	66 cis-1,3-Dichloropropene	75	6.423	6.423	(1.183)	671704	50.0000	51.0	
$	67 Toluene-d8	98	6.552	6.552	(0.861)	1094524	50.0000	49.0	
	69 Toluene +	91	6.588	6.588	(0.866)	1316943	50.0000	50.5	
	71 4-methyl-2-pentanone	43	6.834	6.834	(1.259)	487373	50.0000	50.5	
	72 Tetrachloroethene	164	6.852	6.852	(0.900)	222067	50.0000	52.2	
	73 trans-1,3-Dichloropropene	75	6.864	6.864	(0.902)	683099	50.0000	50.0	
	75 1,1,2-Trichloroethane	97	6.976	6.976	(0.917)	311570	50.0000	48.9	
	76 Dibromochloromethane	129	7.105	7.105	(0.934)	474841	50.0000	52.2	
	77 1,3-Dichloropropane	76	7.164	7.164	(0.941)	607657	50.0000	49.5	
	79 1,2-Dibromoethane(EDB)	107	7.276	7.276	(0.956)	378201	50.0000	54.2	
	80 2-Hexanone	43	7.399	7.399	(0.972)	346183	50.0000	54.6	
	82 1-Chlorohexane	91	7.592	7.592	(0.998)	557569	50.0000	52.0	9023
*	83 CHLOROBENZENE-d5	82	7.610	7.610	(1.000)	660602	50.0000		
	84 Chlorobenzene ++	112	7.622	7.622	(1.002)	867005	50.0000	50.9	
	85 Ethylbenzene +	106	7.634	7.634	(1.003)	450542	50.0000	49.8	
	86 1,1,1,2-Tetrachloroethane	133	7.663	7.663	(1.007)	358939	50.0000	50.7	
	87 p,m-Xylene	106	7.728	7.728	(1.016)	1078813	100.000	102	
	89 o-Xylene	106	8.028	8.028	(1.055)	545650	50.0000	52.9	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
90	Styrene	104	8.057	8.057	(1.059)	994757	50.0000	54.5	
91	Bromoform ++	173	8.093	8.093	(1.063)	277315	50.0000	54.5	
93	Isopropylbenzene	105	8.228	8.228	(1.081)	1495227	50.0000	50.7	
$ 94	Bromofluorobenzene	174	8.440	8.440	(1.109)	368904	50.0000	54.3	
95	n-Propylbenzene	91	8.516	8.516	(0.927)	1984039	50.0000	49.7	
96	Bromobenzene	77	8.516	8.516	(0.927)	882654	50.0000	48.6	
97	1,1,2,2-Tetrachloroethane++	83	8.558	8.558	(0.931)	480080	50.0000	50.6	
98	2-Chlorotoluene	91	8.640	8.640	(0.940)	1428186	50.0000	50.4	
99	1,3,5-Trimethylbenzene	105	8.640	8.640	(0.940)	1445577	50.0000	49.6	
100	1,2,3-Trichloropropane	75	8.664	8.664	(0.943)	622830	50.0000	52.3	
101	trans-1,4-Dichloro-2-Butene	53	8.682	8.682	(0.945)	152224	50.0000	49.4	
103	4-Chlorotoluene	91	8.747	8.747	(0.952)	1332739	50.0000	50.7	
104	tert-butylbenzene	91	8.865	8.865	(0.965)	858760	50.0000	47.2	
106	1,2,4-Trimethylbenzene	105	8.906	8.906	(0.969)	1457958	50.0000	51.2	
107	sec-Butylbenzene	105	8.977	8.977	(0.977)	1798354	50.0000	50.5	
108	p-Isopropyltoluene	119	9.065	9.065	(0.986)	1526446	50.0000	51.1	
110	1,3-Dichlorobenzene	146	9.142	9.142	(0.995)	710955	50.0000	50.2	
* 111	1,4-DICHLOROBENZENE-D4	152	9.189	9.189	(1.000)	483973	50.0000		
112	1,4-Dichlorobenzene	146	9.201	9.201	(1.001)	734822	50.0000	49.5	
115	n-Butylbenzene	91	9.343	9.343	(1.017)	1668494	50.0000	51.1	
116	1,2-Dichlorobenzene	146	9.478	9.478	(1.031)	685390	50.0000	49.6	
120	1,2-Dibromo-3-Chloropropane	157	9.989	9.989	(1.087)	90176	50.0000	52.4	
122	Hexachlorobutadiene	225	10.377	10.377	(1.129)	285199	50.0000	51.1	
123	1,2,4-Trichlorobenzene	180	10.413	10.413	(1.133)	478914	50.0000	52.3	
M 124	TOTAL XYLENE	106				1624463	150.000	155	
125	Naphthalene	128	10.619	10.619	(1.156)	1350620	50.0000	50.8	
126	1,2,3-Trichlorobenzene	180	10.749	10.749	(1.170)	459960	50.0000	51.7	

QC Flag Legend

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

Data File: /var/chem/msv5.i/2060807p.s.b/g7061.d

Page 1

Date : 07-AUG-2006 13:15

Client ID: V5STD050

Instrument: msv5.i

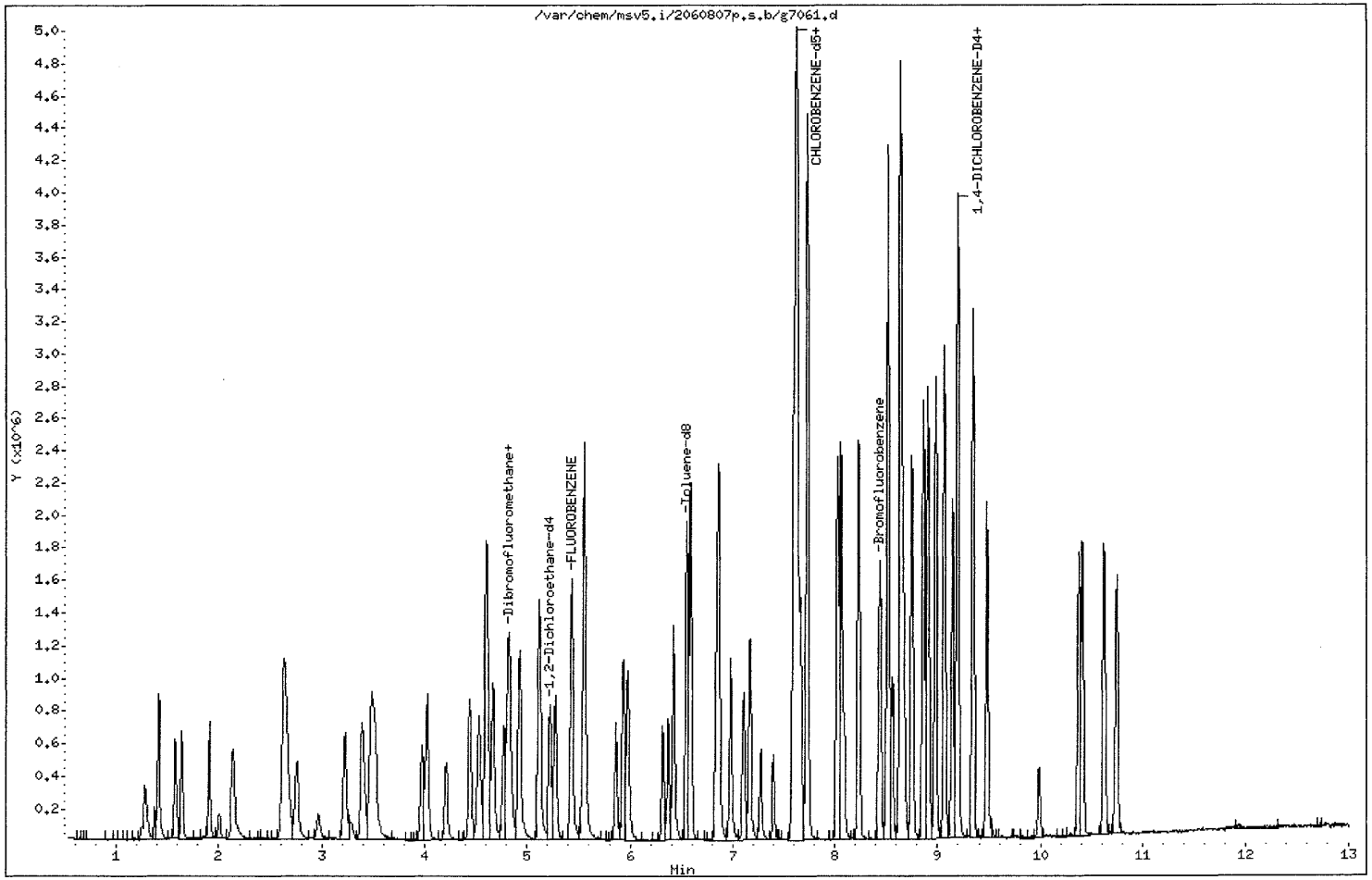
Sample Info: 1203*V5STD050*5-51-5

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

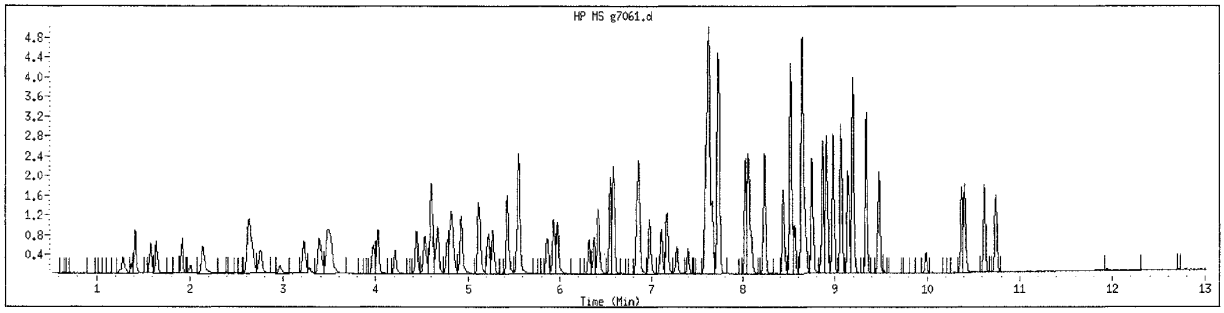
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060807p.s.b/g7061.d Page: 1
Report Date: 08/07/2006 18:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 07-AUG-2006 13:15 Instrument : msv5.i
Operator : JCK
Sample Info : 1203*V5STD050*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

000388

166849

GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7062.d
Lab Smp Id: 1204 Client Smp ID: V5STD100
Inj Date : 07-AUG-2006 13:41
Operator : JCK Inst ID: msv5.i
Smp Info : 1204*V5STD100*5-51-5
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 9 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.410	1.410	(1.000)	1601449	100.000	93.5	
	2 Chloromethane ++	50	1.574	1.574	(1.000)	1504298	100.000	104	
	3 Vinyl Chloride +	62	1.639	1.639	(1.000)	1185817	100.000	102	
	5 Bromomethane	94	1.908	1.908	(1.000)	700437	100.000	91.8	
M	6 1-3 Dichloropropene-Total	100				2896192	200.000	204	0(A)
	8 Chloroethane	64	2.002	2.002	(1.000)	189963	100.000	101	
	9 Trichlorofluoromethane	101	2.137	2.137	(1.000)	1304748	100.000	95.7	
	11 1,1-Dichloroethene +	96	2.618	2.618	(1.000)	539056	100.000	111	
	12 Carbon Disulfide	76	2.642	2.642	(1.000)	2374859	100.000	97.5	
	13 1,1,2Trichlotrifluoroethane	101	2.665	2.665	(1.000)	661662	100.000	110	
	14 Methyl Iodide	142	2.754	2.754	(1.000)	1177685	100.000	100	
	15 Acrolein	56	2.965	2.965	(1.000)	274340	500.000	504	(A)
	17 Methylene Chloride	49	3.223	3.223	(1.000)	1009806	100.000	99.2	
	18 Acetone	43	3.288	3.288	(1.000)	231671	100.000	99.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY	
	19 trans-1,2-Dichloroethene	61	3.394	3.394	(1.000)	1082269	100.000	98.2		
	20 Methyl Acetate	43	3.417	3.417	(1.000)	478924	100.000	91.6	8450	
	21 Hexane	57	3.482	3.482	(1.000)	1282100	100.000	99.1	9501	
	22 MTBE	73	3.511	3.511	(1.000)	1593228	100.000	99.1	9523	
	27 1,1-Dichloroethane ++	63	3.975	3.975	(1.000)	1444791	100.000	98.4		
	29 Acrylonitrile	53	4.022	4.022	(1.000)	1288098	500.000	483		(A)
	30 Vinyl Acetate	43	4.209	4.209	(1.000)	1642139	100.000	106		
	31 cis-1,2-Dichloroethene	61	4.438	4.438	(1.000)	1293441	100.000	101		
	32 2,2-Dichloropropane	77	4.532	4.532	(1.000)	1297774	100.000	98.1		
	33 Bromochloromethane	128	4.603	4.603	(1.000)	356768	100.000	97.8		
	34 Cyclohexane	56	4.603	4.603	(1.000)	1254453	100.000	107	9389	
	35 Chloroform +	83	4.668	4.668	(1.000)	1540289	100.000	101		
	36 Carbon Tetrachloride	117	4.774	4.774	(1.000)	1242368	100.000	100		
$	39 Dibromofluoromethane	111	4.815	4.815	(1.000)	923924	100.000	96.2	9569	
	40 1,1,1-Trichloroethane	97	4.827	4.827	(1.000)	1293690	100.000	101		
	42 2-Butanone	43	4.916	4.916	(1.000)	429240	100.000	91.6		
	43 1,1-Dichloropropene	75	4.927	4.927	(1.000)	1130488	100.000	104		
	45 Benzene	78	5.122	5.122	(1.000)	2596913	100.000	102		
$	48 1,2-Dichloroethane-d4	67	5.222	5.222	(1.000)	639279	100.000	103		
	49 1,2-Dichloroethane	62	5.275	5.275	(1.000)	1496383	100.000	95.4		
*	52 FLUOROBENZENE	96	5.433	5.433	(1.000)	1263833	50.0000			(M)
	53 Methyl Cyclohexane	83	5.551	5.551	(1.000)	1038086	100.000	102	9273	
	54 Trichloroethene	130	5.557	5.557	(1.000)	677180	100.000	107		
	57 Dibromomethane	93	5.862	5.862	(1.000)	584285	100.000	97.0		
	59 1,2-Dichloropropane +	63	5.933	5.933	(1.000)	825494	100.000	101		
	60 Bromodichloromethane	83	5.980	5.980	(1.000)	1301702	100.000	103		
M	61 Total 1,2-Dichloroethene	61				2375710	200.000	199		
	64 1-Bromo-2-chloroethane	63	6.321	6.321	(1.000)	1251697	100.000	99.5	9639	
	65 2-Chloroethyl vinyl ether	63	6.374	6.374	(1.000)	570381	100.000	95.2		
	66 cis-1,3-Dichloropropene	75	6.421	6.421	(1.000)	1421171	100.000	103		
$	67 Toluene-d8	98	6.551	6.551	(0.860)	2371901	100.000	104		
	69 Toluene +	91	6.586	6.586	(0.865)	2748421	100.000	103		
	71 4-methyl-2-pentanone	43	6.839	6.839	(1.000)	986338	100.000	97.3		
	72 Tetrachloroethene	164	6.856	6.856	(0.900)	480044	100.000	110		
	73 trans-1,3-Dichloropropene	75	6.868	6.868	(0.902)	1475021	100.000	106		
	75 1,1,2-Trichloroethane	97	6.980	6.980	(0.917)	660519	100.000	101		
	76 Dibromochloromethane	129	7.104	7.104	(0.933)	999297	100.000	107		
	77 1,3-Dichloropropane	76	7.169	7.169	(0.941)	1346693	100.000	107		
	79 1,2-Dibromoethane(EDB)	107	7.275	7.275	(0.955)	814610	100.000	114		
	80 2-Hexanone	43	7.398	7.398	(0.971)	713523	100.000	110		
	82 1-Chlorohexane	91	7.592	7.592	(0.997)	1192561	100.000	109	9308	
*	83 CHLOROBENZENE-d5	82	7.616	7.616	(1.000)	674849	50.0000			
	84 Chlorobenzene ++	112	7.628	7.628	(1.002)	1859634	100.000	107		
	85 Ethylbenzene +	106	7.634	7.634	(1.002)	965402	100.000	104		
	86 1,1,1,2-Tetrachloroethane	133	7.663	7.663	(1.006)	776818	100.000	107		
	87 p,m-Xylene	106	7.728	7.728	(1.015)	2328591	200.000	216		(A)
	89 o-Xylene	106	8.028	8.028	(1.054)	1210262	100.000	115		

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
90	Styrene	104	8.058	8.058	(1.058)	2151539	100.000	115	
91	Bromoform ++	173	8.093	8.093	(1.063)	585673	100.000	113	
93	Isopropylbenzene	105	8.235	8.235	(1.081)	3272869	100.000	109	
$ 94	Bromofluorobenzene	174	8.440	8.440	(1.108)	789134	100.000	114	
95	n-Propylbenzene	91	8.517	8.517	(0.927)	4099994	100.000	96.9	
96	Bromobenzene	77	8.517	8.517	(0.927)	1843176	100.000	95.7	
97	1,1,2,2-Tetrachloroethane++	83	8.559	8.559	(0.931)	973801	100.000	96.8	
98	2-Chlorotoluene	91	8.636	8.636	(0.940)	2974014	100.000	98.9	
99	1,3,5-Trimethylbenzene	105	8.636	8.636	(0.940)	2949513	100.000	95.4	
100	1,2,3-Trichloropropane	75	8.665	8.665	(0.943)	1267651	100.000	100	
101	trans-1,4-Dichloro-2-Butene	53	8.677	8.677	(0.944)	312999	100.000	95.8	
103	4-Chlorotoluene	91	8.748	8.748	(0.952)	2813998	100.000	101	
104	tert-butylbenzene	91	8.866	8.866	(0.965)	1883925	100.000	97.7	
106	1,2,4-Trimethylbenzene	105	8.908	8.908	(0.969)	3094684	100.000	102	
107	sec-Butylbenzene	105	8.979	8.979	(0.977)	3842335	100.000	102	
108	p-Isopropyltoluene	119	9.067	9.067	(0.986)	3133428	100.000	98.8	
110	1,3-Dichlorobenzene	146	9.144	9.144	(0.995)	1496824	100.000	99.7	
* 111	1,4-DICHLOROBENZENE-D4	152	9.192	9.192	(1.000)	513301	50.0000		
112	1,4-Dichlorobenzene	146	9.198	9.198	(1.001)	1573303	100.000	99.9	
115	n-Butylbenzene	91	9.339	9.339	(1.016)	3531567	100.000	102	
116	1,2-Dichlorobenzene	146	9.481	9.481	(1.031)	1478332	100.000	101	
120	1,2-Dibromo-3-Chloropropane	157	9.987	9.987	(1.086)	179650	100.000	98.7	
122	Hexachlorobutadiene	225	10.375	10.375	(1.129)	621225	100.000	105	
123	1,2,4-Trichlorobenzene	180	10.411	10.411	(1.133)	1039247	100.000	107	
M 124	TOTAL XYLENE	106				3538853	300.000	331	
125	Naphthalene	128	10.624	10.624	(1.156)	2786775	100.000	98.9	
126	1,2,3-Trichlorobenzene	180	10.742	10.742	(1.169)	984877	100.000	104	

QC Flag Legend

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

Data File: /var/chem/msv5.i/2060807p.s.b/g7062.d

Page 1

Date : 07-AUG-2006 13:41

Client ID: V5STD100

Instrument: msv5.i

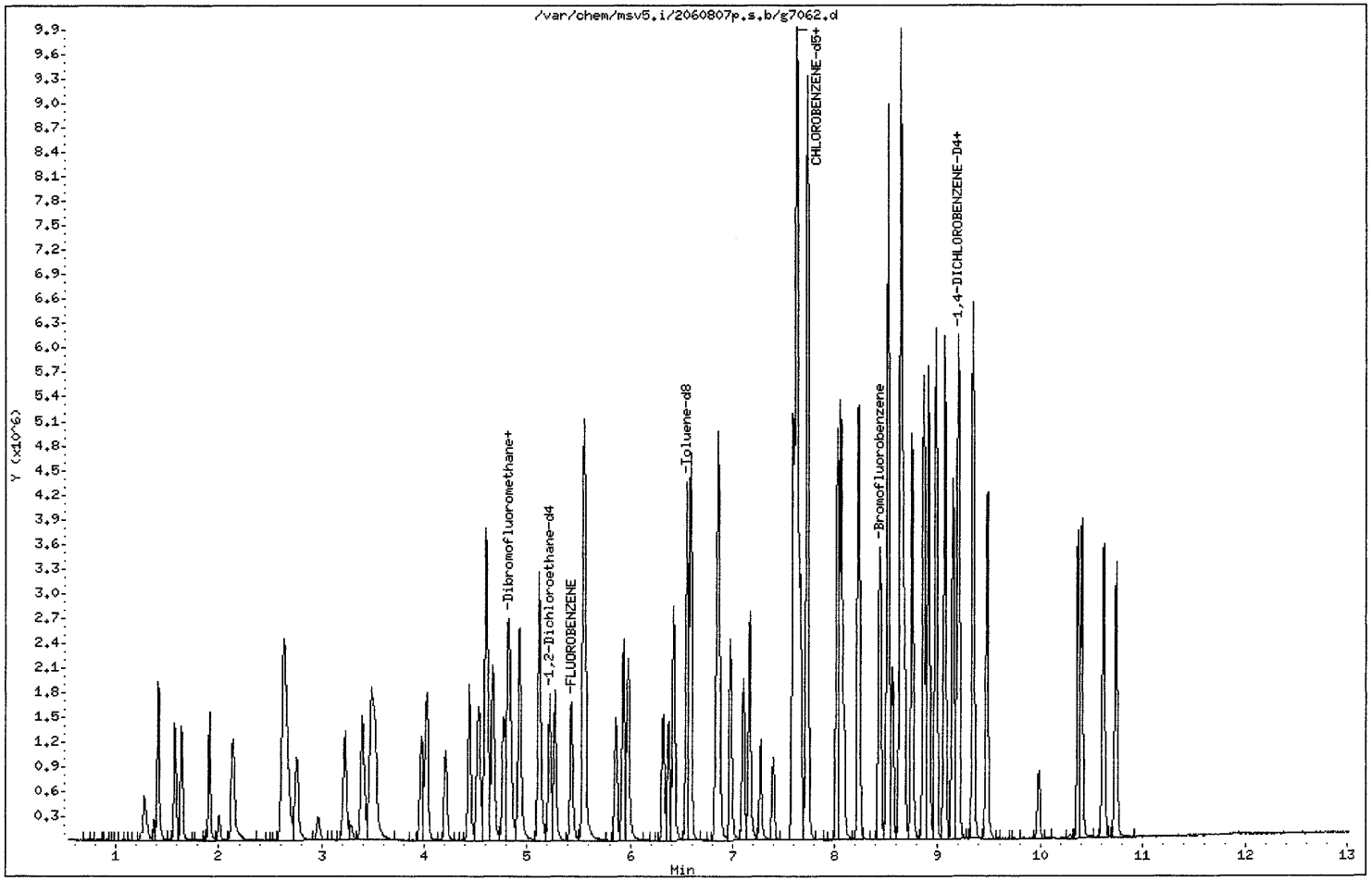
Sample Info: 1204*V5STD100*5-51-5

Purge Volume: 5.0

Operator: JCK

Column phase: DB-VRX-30M

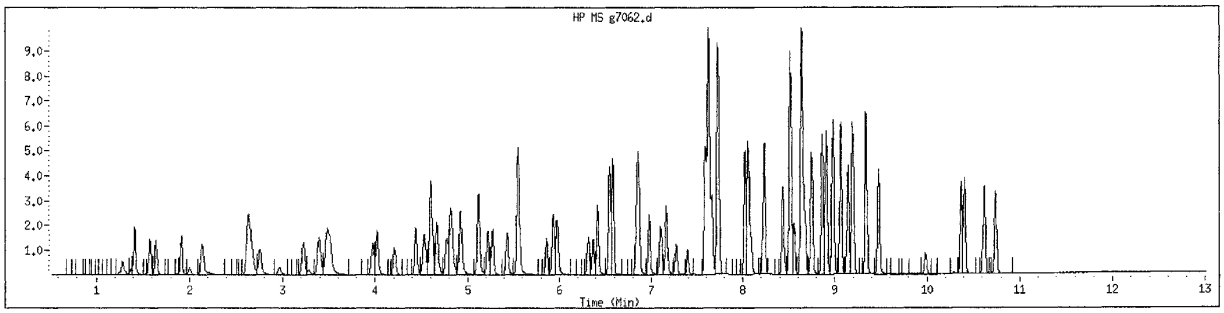
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060807p.s.b/g7062.d Page: 1
Report Date: 08/07/2006 18:48

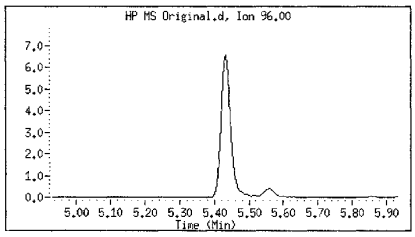
MANUAL INTEGRATION GRAPHIC REPORT

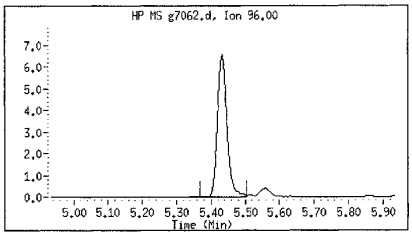
Lab ID : 1204 SampleType : CALIB_4
Injection Date: 07-AUG-2006 13:41 Instrument : msv5.i
Operator : JCK
Sample Info : 1204*V5STD100*5-51-5
Misc Info : MSV~8821~*1*VWM
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260b



Original Final

* 52 FLUOROBENZENE CAS#: 462-06-6





000393

166854

Data file : /var/chem/msv5.i/2060807p.s.b/g7064.d
Report Date: 08/07/2006 18:51

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: 8260b.sub
Method File: /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Misc Info: MSV~8821~*1*VWM

Client SDG: 2060807p.s
Fraction: VOA
Client Smp ID: 8260ICV
Operator: JCK
Sample Type: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	Dichlorodifluoromethane	50.0	40.7	81.46	75-125
2	Chloromethane ++	50.0	42.5	84.92	75-125
3	Vinyl Chloride +	50.0	49.3	98.61	75-125
5	Bromomethane	50.0	46.3	92.59	75-125
8	Chloroethane	50.0	103	206.78*	75-125
9	Trichlorofluoromethane	50.0	49.5	99.07	75-125
11	1,1-Dichloroethene +	50.0	50.0	100.00	75-125
12	Carbon Disulfide	50.0	49.5	98.94	75-125
13	1,1,2Trichlotrifluoroethane	50.0	56.9	113.90	75-125
14	Methyl Iodide	50.0	42.7	85.41	75-125
15	Acrolein	250	288	115.27	60-140
17	Methylene Chloride	50.0	52.7	105.50	75-125
18	Acetone	50.0	52.9	105.78	60-140
19	trans-1,2-Dichloroethene	50.0	48.3	96.67	75-125
22	MTBE	50.0	57.1	114.15	75-125
27	1,1-Dichloroethane ++	50.0	51.3	102.64	75-125
29	Acrylonitrile	250	248	99.40	60-140
30	Vinyl Acetate	50.0	52.8	105.64	75-125
31	cis-1,2-Dichloroethene	50.0	53.9	107.82	75-125
32	2,2-Dichloropropane	50.0	52.1	104.23	75-125
33	Bromochloromethane	50.0	52.7	105.33	75-125
35	Chloroform +	50.0	53.0	105.92	75-125
36	Carbon Tetrachloride	50.0	52.6	105.20	75-125
40	1,1,1-Trichloroethane	50.0	51.1	102.27	75-125
42	2-Butanone	50.0	49.6	99.13	60-140
43	1,1-Dichloropropene	50.0	54.0	107.92	75-125
45	Benzene	50.0	51.7	103.45	75-125
49	1,2-Dichloroethane	50.0	51.9	103.85	75-125
54	Trichloroethene	50.0	57.3	114.55	75-125
57	Dibromomethane	50.0	51.4	102.72	75-125

166855

Data file : /var/chem/msv5.i/2060807p.s.b/g7064.d
Report Date: 08/07/2006 18:51

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
59	1,2-Dichloropropane +	50.0	51.6	103.20	75-125
60	Bromodichloromethane	50.0	55.6	111.19	75-125
65	2-Chloroethyl vinyl ether	50.0	60.5	121.10	75-125
66	cis-1,3-Dichloropropene	50.0	55.1	110.23	75-125
69	Toluene +	50.0	53.7	107.40	75-125
71	4-methyl-2-pentanone	50.0	46.8	93.61	60-140
72	Tetrachloroethene	50.0	59.9	119.90	75-125
73	trans-1,3-Dichloropropene	50.0	55.0	110.04	75-125
75	1,1,2-Trichloroethane	50.0	50.8	101.54	75-125
76	Dibromochloromethane	50.0	57.5	114.91	75-125
77	1,3-Dichloropropane	50.0	54.0	107.92	75-125
79	1,2-Dibromoethane(EDB)	50.0	57.1	114.26	75-125
80	2-Hexanone	50.0	56.0	112.02	60-140
84	Chlorobenzene ++	50.0	57.3	114.55	75-125
85	Ethylbenzene +	50.0	54.7	109.30	75-125
86	1,1,1,2-Tetrachloroethane	50.0	57.3	114.66	75-125
87	p,m-Xylene	100	114	114.14	75-125
89	o-Xylene	50.0	60.1	120.25	75-125
90	Styrene	50.0	62.6	125.13*	75-125
91	Bromoform ++	50.0	61.8	123.54	75-125
93	Isopropylbenzene	50.0	58.0	116.04	75-125
95	n-Propylbenzene	50.0	50.1	100.16	75-125
96	Bromobenzene	50.0	49.2	98.32	75-125
97	1,1,2,2-Tetrachloroethane++	50.0	48.1	96.21	75-125
98	2-Chlorotoluene	50.0	50.9	101.70	75-125
99	1,3,5-Trimethylbenzene	50.0	49.4	98.85	75-125
100	1,2,3-Trichloropropane	50.0	51.5	103.06	75-125
101	trans-1,4-Dichloro-2-Butene	50.0	47.6	95.11	75-125
103	4-Chlorotoluene	50.0	51.9	103.86	75-125
104	tert-butylbenzene	50.0	50.2	100.45	75-125
106	1,2,4-Trimethylbenzene	50.0	52.7	105.46	75-125
107	sec-Butylbenzene	50.0	52.1	104.19	75-125
108	p-Isopropyltoluene	50.0	53.0	106.09	75-125
110	1,3-Dichlorobenzene	50.0	51.7	103.46	75-125
112	1,4-Dichlorobenzene	50.0	52.4	104.76	75-125
115	n-Butylbenzene	50.0	53.9	107.74	75-125
116	1,2-Dichlorobenzene	50.0	52.5	105.01	75-125
120	1,2-Dibromo-3-Chloropropane	50.0	52.8	105.62	60-140
122	Hexachlorobutadiene	50.0	55.3	110.53	75-125
123	1,2,4-Trichlorobenzene	50.0	55.9	111.89	75-125
125	Naphthalene	50.0	50.7	101.39	75-125
126	1,2,3-Trichlorobenzene	50.0	53.3	106.64	75-125

Data file : /var/chem/msv5.i/2060807p.s.b/g7064.d
Report Date: 08/07/2006 18:51

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	51.4	102.79	0-127
$ 48 1,2-Dichloroethane-d4	50.0	56.9	113.72	0-127
$ 67 Toluene-d8	50.0	55.4	110.79	0-134
$ 94 Bromofluorobenzene	50.0	58.4	116.73	0-130

166857

GCAL, Inc.

Data file : /var/chem/msv5.i/2060807p.s.b/g7064.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 07-AUG-2006 14:51
Operator : JCK Inst ID: msv5.i
Smp Info : 1600*8260ICV*5-51-6
Misc Info : MSV~8821~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060807p.s.b/8260Bw5.m
Meth Date : 07-Aug-2006 18:48 jck Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
1	Dichlorodifluoromethane	85	1.416	1.410	(0.261)	647792	40.7320	40.7	
2	Chloromethane ++	50	1.574	1.574	(0.290)	568083	42.4621	42.5	
3	Vinyl Chloride +	62	1.644	1.639	(0.303)	530388	49.3063	49.3	
5	Bromomethane	94	1.914	1.908	(0.352)	327887	46.2953	46.3	
M 6	1-3 Dichloropropene-Total	100				1438583	109.393	109	0
8	Chloroethane	64	2.008	2.002	(0.370)	178957	103.389	103	(R)
9	Trichlorofluoromethane	101	2.143	2.137	(0.395)	626602	49.5351	49.5	
11	1,1-Dichloroethene +	96	2.617	2.618	(0.482)	225925	50.0009	50.0	
12	Carbon Disulfide	76	2.641	2.642	(0.486)	1117998	49.4681	49.5	
13	1,1,2Trichlotrifluoroethane	101	2.671	2.665	(0.492)	318774	56.9487	56.9	
14	Methyl Iodide	142	2.753	2.754	(0.507)	463512	42.7073	42.7	
15	Acrolein	56	2.964	2.965	(0.546)	145701	288.169	288	(A)
17	Methylene Chloride	49	3.228	3.223	(0.594)	514262	52.7483	52.7	
18	Acetone	43	3.293	3.288	(0.606)	133683	52.8899	52.9	

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166858

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.387	3.394	(0.624)	494301	48.3361	48.3	
	20 Methyl Acetate	43	3.416	3.417	(0.629)	264731	54.5728	54.6	8579
	21 Hexane	57	3.481	3.482	(0.641)	678070	55.9493	55.9	9381
	22 MTBE	73	3.510	3.511	(0.646)	854426	57.0728	57.1	9400
	27 1,1-Dichloroethane ++	63	3.973	3.975	(0.732)	699578	51.3197	51.3	
	29 Acrylonitrile	53	4.026	4.022	(0.741)	614816	248.498	248	(A)
	30 Vinyl Acetate	43	4.208	4.209	(0.775)	757923	52.8184	52.8	
	31 cis-1,2-Dichloroethene	61	4.442	4.438	(0.818)	640354	53.9089	53.9	
	32 2,2-Dichloropropane	77	4.530	4.532	(0.834)	640244	52.1173	52.1	
	33 Bromochloromethane	128	4.607	4.603	(0.848)	178300	52.6669	52.7	
	34 Cyclohexane	56	4.607	4.603	(0.848)	607557	55.5675	55.6	9081
	35 Chloroform +	83	4.671	4.668	(0.860)	753031	52.9587	53.0	
	36 Carbon Tetrachloride	117	4.777	4.774	(0.880)	604587	52.6006	52.6	
$	39 Dibromofluoromethane	111	4.819	4.815	(0.887)	458072	51.3935	51.4	9237
	40 1,1,1-Trichloroethane	97	4.830	4.827	(0.890)	609621	51.1361	51.1	
	42 2-Butanone	43	4.913	4.916	(0.905)	215579	49.5640	49.6	
	43 1,1-Dichloropropene	75	4.931	4.927	(0.908)	542037	53.9579	54.0	
	45 Benzene	78	5.119	5.122	(0.943)	1220730	51.7243	51.7	
$	48 1,2-Dichloroethane-d4	67	5.224	5.222	(0.962)	327056	56.8615	56.9	
	49 1,2-Dichloroethane	62	5.271	5.275	(0.971)	755951	51.9259	51.9	
*	52 FLUOROBENZENE	96	5.430	5.433	(1.000)	1173198	50.0000		
	53 Methyl Cyclohexane	83	5.548	5.551	(1.022)	520621	55.3381	55.3	9052
	54 Trichloroethene	130	5.553	5.557	(1.023)	336992	57.2740	57.3	
	57 Dibromomethane	93	5.859	5.862	(1.079)	287051	51.3616	51.4	
	59 1,2-Dichloropropane +	63	5.935	5.933	(1.093)	389720	51.6007	51.6	
	60 Bromodichloromethane	83	5.982	5.980	(1.102)	649336	55.5951	55.6	
M	61 Total 1,2-Dichloroethene	61				1134655	102.245	102	
	64 1-Bromo-2-chloroethane	63	6.317	6.321	(1.163)	618739	52.9911	53.0	9639
	65 2-Chloroethyl vinyl ether	63	6.370	6.374	(1.173)	336615	60.5481	60.5	
	66 cis-1,3-Dichloropropene	75	6.423	6.421	(1.183)	707704	55.1161	55.1	
$	67 Toluene-d8	98	6.552	6.551	(0.860)	1202894	55.3947	55.4	
	69 Toluene +	91	6.587	6.586	(0.865)	1359984	53.6984	53.7	
	71 4-methyl-2-pentanone	43	6.840	6.839	(1.260)	440457	46.8031	46.8	
	72 Tetrachloroethene	164	6.857	6.856	(0.900)	247835	59.9495	59.9	
	73 trans-1,3-Dichloropropene	75	6.869	6.868	(0.902)	730879	55.0211	55.0	
	75 1,1,2-Trichloroethane	97	6.981	6.980	(0.917)	314311	50.7692	50.8	
	76 Dibromochloromethane	129	7.110	7.104	(0.934)	508184	57.4563	57.5	
	77 1,3-Dichloropropane	76	7.169	7.169	(0.941)	643809	53.9612	54.0	
	79 1,2-Dibromoethane(EDB)	107	7.275	7.275	(0.955)	387052	57.1308	57.1	
	80 2-Hexanone	43	7.398	7.398	(0.971)	345258	56.0076	56.0	
	82 1-Chlorohexane	91	7.592	7.592	(0.997)	566002	54.3236	54.3	9236
*	83 CHLOROBENZENE-d5	82	7.615	7.616	(1.000)	641758	50.0000		
	84 Chlorobenzene ++	112	7.627	7.628	(1.002)	947896	57.2774	57.3	
	85 Ethylbenzene +	106	7.633	7.634	(1.002)	480484	54.6514	54.7	
	86 1,1,1,2-Tetrachloroethane	133	7.663	7.663	(1.006)	394336	57.3291	57.3	
	87 p,m-Xylene	106	7.734	7.728	(1.016)	1168653	114.139	114	
	89 o-Xylene	106	8.027	8.028	(1.054)	602780	60.1255	60.1	

166859

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	90 Styrene	104	8.063	8.058	(1.059)	1110006	62.5650	62.6	(R)
	91 Bromoform ++	173	8.092	8.093	(1.063)	305509	61.7708	61.8	
	93 Isopropylbenzene	105	8.233	8.235	(1.081)	1660857	58.0205	58.0	
$	94 Bromofluorobenzene	174	8.439	8.440	(1.108)	385398	58.3630	58.4	
	95 n-Propylbenzene	91	8.516	8.517	(0.927)	2145249	50.0781	50.1	
	96 Bromobenzene	77	8.522	8.517	(0.927)	957782	49.1588	49.2	
	97 1,1,2,2-Tetrachloroethane++	83	8.557	8.559	(0.931)	489903	48.1072	48.1	
	98 2-Chlorotoluene	91	8.640	8.636	(0.940)	1547870	50.8507	50.9	
	99 1,3,5-Trimethylbenzene	105	8.640	8.636	(0.940)	1546736	49.4229	49.4	
	100 1,2,3-Trichloropropane	75	8.669	8.665	(0.943)	659268	51.5324	51.5	
	101 trans-1,4-Dichloro-2-Butene	53	8.681	8.677	(0.945)	157249	47.5565	47.6	
	103 4-Chlorotoluene	91	8.752	8.748	(0.952)	1464907	51.9286	51.9	
	104 tert-butylbenzene	91	8.864	8.866	(0.965)	980529	50.2272	50.2	
	106 1,2,4-Trimethylbenzene	105	8.911	8.908	(0.970)	1612042	52.7291	52.7	
	107 sec-Butylbenzene	105	8.982	8.979	(0.978)	1992606	52.0938	52.1	
	108 p-Isopropyltoluene	119	9.065	9.067	(0.986)	1701831	53.0464	53.0	
	110 1,3-Dichlorobenzene	146	9.147	9.144	(0.995)	785889	51.7291	51.7	
*	111 1,4-DICHLOROBENZENE-D4	152	9.189	9.192	(1.000)	519471	50.0000		
	112 1,4-Dichlorobenzene	146	9.201	9.198	(1.001)	835060	52.3791	52.4	
	115 n-Butylbenzene	91	9.342	9.339	(1.017)	1886764	53.8705	53.9	
	116 1,2-Dichlorobenzene	146	9.483	9.481	(1.032)	779301	52.5031	52.5	
	120 1,2-Dibromo-3-Chloropropane	157	9.989	9.987	(1.087)	97541	52.8111	52.8	
	122 Hexachlorobutadiene	225	10.383	10.375	(1.130)	330819	55.2642	55.3	
	123 1,2,4-Trichlorobenzene	180	10.418	10.411	(1.134)	550071	55.9455	55.9	
M	124 TOTAL XYLENE	106				1771433	174.264	174	
	125 Naphthalene	128	10.625	10.624	(1.156)	1445458	50.6963	50.7	
	126 1,2,3-Trichlorobenzene	180	10.755	10.742	(1.170)	509087	53.3184	53.3	

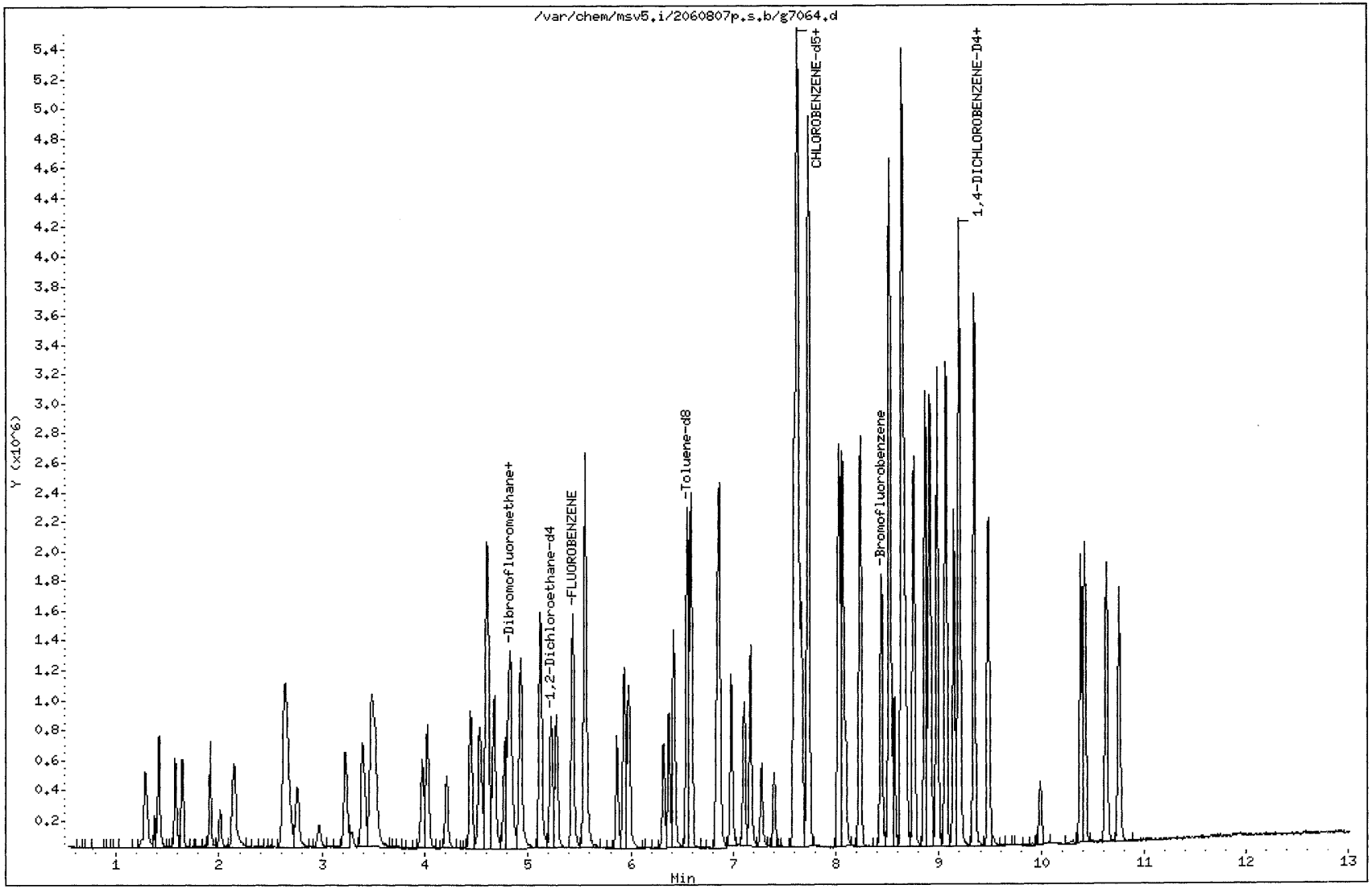
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/msv5.i/2060807p.s.b/g7064.d
Date : 07-AUG-2006 14:51
Client ID: 8260ICV
Sample Info: 1600*8260ICV*5-51-6
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: JCK
Column diameter: 0.53

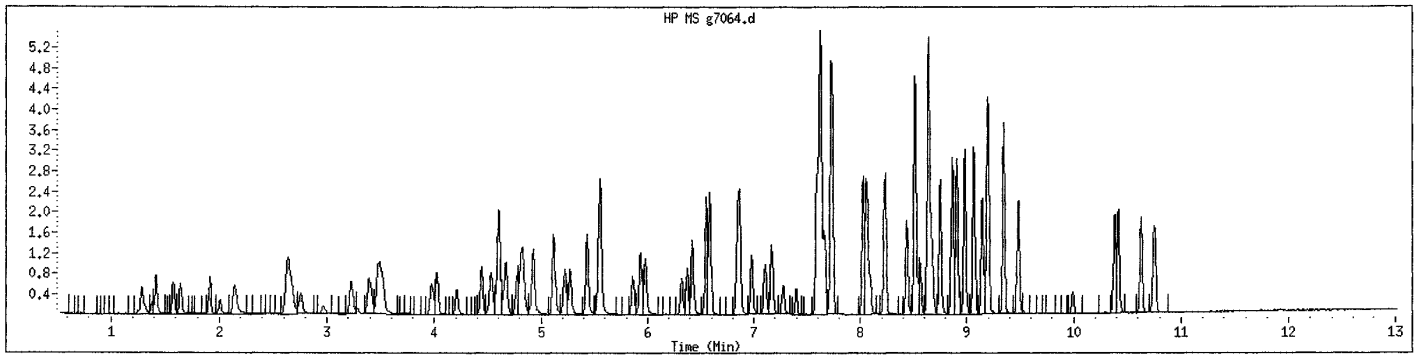
000400



166861

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1600	SampleType	: LCS
Injection Date	: 07-AUG-2006 14:51	Instrument	: msv5.i
Operator	: JCK		
Sample Info	: 1600*8260ICV*5-51-6		
Misc Info	: MSV~8821~*1*VWM		
Method	: /var/chem/msv5.i/2060807p.s.b/8260Bw5.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

000401

166862

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 11-AUG-2006 07:59
Lab File ID: g7235.d Init. Cal. Date(s): 14-JUN-2006 07-AUG-2006
Analysis Type: WATER Init. Cal. Times: 07:30 13:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.67780	0.69018	0.69018	0.000	1.82732	30.00000	Averaged
2 Chloromethane ++	0.57018	0.57638	0.57638	0.100	1.08817	30.00000	Averaged
3 Vinyl Chloride +	0.45845	0.48761	0.48761	0.000	6.36142	20.00000	Averaged
5 Bromomethane	0.30185	0.26880	0.26880	0.000	-10.94891	30.00000	Averaged
6 1 3 Dichloropropene-Total	0.56046	0.66959	0.66959	0.050	19.47177	30.00000	Averaged
8 Chloroethane	113	50.00000	0.16002	0.050	125	0.000e+00	Quadratic<-
9 Trichlorofluoromethane	0.53911	0.58940	0.58940	0.000	9.32803	30.00000	Averaged
11 1,1 Dichloroethene +	0.20478	0.22437	0.22437	0.000	9.56874	20.00000	Averaged
12 Carbon Disulfide	0.96320	1.01878	1.01878	0.000	5.77067	30.00000	Averaged
13 1,1,2Trichlotrifluoroethane	0.23856	0.28949	0.28949	0.000	21.35047	30.00000	Averaged
14 Methyl Iodide	44.65735	50.00000	0.41325	0.000	-10.68529	0.000e+00	Linear<-
15 Acrolein	0.02155	0.02211	0.02211	0.000	2.59881	30.00000	Averaged
17 Methylene Chloride	57.04718	50.00000	0.47172	0.000	14.09436	0.000e+00	Linear<-
18 Acetone	78.58391	50.00000	0.15392	0.000	57.16781	0.000e+00	Quadratic<-
19 trans 1,2-Dichloroethene	0.43583	0.50602	0.50602	0.000	16.10408	30.00000	Averaged
20 Methyl Acetate	0.20674	0.21977	0.21977	0.050	6.30334	30.00000	Averaged
21 Hexane	56.48249	50.00000	0.58335	0.050	12.96498	0.000e+00	Linear<-
22 MTBE	58.52401	50.00000	0.74668	0.000	17.04803	0.000e+00	Linear<-
27 1,1 Dichloroethane ++	0.58097	0.63500	0.63500	0.100	9.30055	30.00000	Averaged
29 Acrylonitrile	0.10544	0.11952	0.11952	0.000	13.34860	30.00000	Averaged
30 Vinyl Acetate	0.61156	0.74811	0.74811	0.000	22.32801	30.00000	Averaged
31 cis 1,2 Dichloroethene	0.50624	0.57886	0.57886	0.000	14.34519	30.00000	Averaged
32 2,2 Dichloropropane	0.52356	0.60395	0.60395	0.000	15.35498	30.00000	Averaged
33 Bromochloromethane	0.14428	0.15329	0.15329	0.000	6.24364	30.00000	Averaged
34 Cyclohexane	0.46598	0.55417	0.55417	0.000	18.92598	30.00000	Averaged
35 Chloroform +	0.60600	0.71267	0.71267	0.000	17.60113	20.00000	Averaged
36 Carbon Tetrachloride	59.18855	50.00000	0.57992	0.000	18.37710	0.000e+00	Linear<-
38 39 Dibromofluoromethane	0.37986	0.41783	0.41783	0.000	9.99665	30.00000	Averaged
40 1,1,1 Trichloroethane	57.72633	50.00000	0.58688	0.000	15.45267	0.000e+00	Linear<-
42 2 Butanone	0.18537	0.21629	0.21629	0.000	16.67900	30.00000	Averaged
43 1,1 Dichloropropene	0.42813	0.49903	0.49903	0.000	16.56096	30.00000	Averaged
45 Benzene	1.00583	1.07640	1.07640	0.000	7.01632	30.00000	Averaged
46 48 1,2-Dichloroethane-d4	0.24513	0.29078	0.29078	0.000	18.62127	30.00000	Averaged
49 1,2 Dichloroethane	0.62045	0.69102	0.69102	0.000	11.37399	30.00000	Averaged
53 Methyl Cyclohexane	0.40096	0.46651	0.46651	0.050	16.34919	30.00000	Averaged

000402

166863

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 11-AUG-2006 07:59
Lab File ID: g7235.d Init. Cal. Date(s): 14-JUN-2006 07-AUG-2006
Analysis Type: WATER Init. Cal. Times: 07:30 13:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
64 Trichloroethene	0.25076	0.29495	0.29495	0.000	17.62018	30.00000	Averaged
67 Dibromomethane	0.23819	0.26815	0.26815	0.000	12.57845	30.00000	Averaged
68 1,2 Dichloropropane +	0.32188	0.37293	0.37293	0.000	15.85957	20.00000	Averaged
69 Bromodichloromethane	0.49777	0.58966	0.58966	0.000	18.45923	30.00000	Averaged
61 Total 1,2-Dichloroethene	0.47104	0.54244	0.54244	0.000	15.15890	30.00000	Averaged
74 1 Bromo-2-chloroethane	0.49763	0.54251	0.54251	0.050	9.01935	30.00000	Averaged
75 2 Chloroethyl vinyl ether	0.23694	0.29107	0.29107	0.000	22.84930	30.00000	Averaged
76 cis 1,3-Dichloropropene	0.54723	0.65620	0.65620	0.000	19.91306	30.00000	Averaged
67 Toluene-d8	1.69184	1.80653	1.80653	0.000	6.77919	30.00000	Averaged
69 Toluene +	1.97320	2.07076	2.07076	0.000	4.94430	20.00000	Averaged
71 4 methyl 2-pentanone	0.40108	0.47069	0.47069	0.000	17.35544	30.00000	Averaged
72 Tetrachloroethene	0.32209	0.36281	0.36281	0.000	12.64282	30.00000	Averaged
73 trans 1,3 Dichloropropene	1.03494	1.14918	1.14918	0.000	11.03883	30.00000	Averaged
75 1,1,2 Trichloroethane	48.92159	50.00000	0.47166	0.000	-2.15683	0.000e+00	Linear <-
76 Dibromochloromethane	0.68910	0.75951	0.75951	0.000	10.21806	30.00000	Averaged
77 1,3-Dichloropropane	0.92955	0.97168	0.97168	0.000	4.53186	30.00000	Averaged
79 1,2 Dibromoethane(EDB)	0.52783	0.59677	0.59677	0.000	13.05982	30.00000	Averaged
80 2 Hexanone	0.48028	0.61444	0.61444	0.000	27.93296	30.00000	Averaged
82 1 Chlorohexane	0.81176	0.87024	0.87024	0.050	7.20390	30.00000	Averaged
84 Chlorobenzene ++	1.28937	1.42200	1.42200	0.300	10.28714	30.00000	Averaged
85 Ethylbenzene +	0.68498	0.74770	0.74770	0.000	9.15718	20.00000	Averaged
86 1,1,1,2 Tetrachloroethane	0.53591	0.59860	0.59860	0.000	11.69841	30.00000	Averaged
87 p,m Xylene	0.79772	0.90423	0.90423	0.000	13.35106	30.00000	Averaged
89 o Xylene	0.78109	0.93928	0.93928	0.000	20.25353	30.00000	Averaged
90 Styrene	1.38227	1.67713	1.67713	0.000	21.33211	30.00000	Averaged
91 Bromoform ++	0.38534	0.47011	0.47011	0.100	21.99892	30.00000	Averaged
93 Isopropylbenzene	2.23023	2.61772	2.61772	0.000	17.37434	30.00000	Averaged
94 Bromofluorobenzene	0.51448	0.59220	0.59220	0.000	15.10643	30.00000	Averaged
95 n Propylbenzene	4.12324	4.51370	4.51370	0.000	9.46968	30.00000	Averaged
96 Bromobenzene	1.87531	1.97102	1.97102	0.000	5.10347	30.00000	Averaged
97 1,1,2,2-Tetrachloroethane++	0.98019	1.04781	1.04781	0.300	6.89923	30.00000	Averaged
98 2 Chlorotoluene	2.92986	3.22116	3.22116	0.000	9.94250	30.00000	Averaged
99 1,3,5 Trimethylbenzene	3.01229	3.12546	3.12546	0.000	3.75691	30.00000	Averaged
100 1,2,3 Trichloropropane	1.23138	1.38877	1.38877	0.000	12.78204	30.00000	Averaged
101 trans-1,4-Dichloro-2-Butene	0.31826	0.32822	0.32822	0.000	3.12846	30.00000	Averaged

166864

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 11-AUG-2006 07:59
Lab File ID: g7235.d Init. Cal. Date(s): 14-JUN-2006 07-AUG-2006
Analysis Type: WATER Init. Cal. Times: 07:30 13:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
103 4 Chlorotoluene	2.71526	3.00352	3.00352	0.000	10.61608	30.00000	Averaged
104 tert butylbenzene	1.87901	2.02438	2.02438	0.000	7.73617	30.00000	Averaged
106 1,2,4 Trimethylbenzene	2.94262	3.32892	3.32892	0.000	13.12770	30.00000	Averaged
107 sec Butylbenzene	3.68166	4.18439	4.18439	0.000	13.65503	30.00000	Averaged
108 p Isopropyltoluene	3.08794	3.61855	3.61855	0.000	17.18303	30.00000	Averaged
109 1,3 Dichlorobenzene	1.46230	1.60886	1.60886	0.000	10.02269	30.00000	Averaged
112 1,4 Dichlorobenzene	1.53451	1.63329	1.63329	0.000	6.43740	30.00000	Averaged
115 n Butylbenzene	3.37113	3.81667	3.81667	0.000	13.21633	30.00000	Averaged
116 1,2 Dichlorobenzene	1.42866	1.58983	1.58983	0.000	11.28131	30.00000	Averaged
120 1,2 Dibromo-3-Chloropropane	57.85223	50.00000	0.20561	0.000	15.70446	0.000e+00	Linear <-
122 Hexachlorobutadiene	0.57618	0.73069	0.73069	0.000	26.81635	30.00000	Averaged
123 1,2,4 Trichlorobenzene	0.94637	1.16501	1.16501	0.000	23.10242	30.00000	Averaged
# 124 TOTAL XYLENE	0.79218	0.91591	0.91591	0.000	15.61967	30.00000	Averaged
125 Napthalene	2.74434	3.12151	3.12151	0.000	13.74372	30.00000	Averaged
126 1,2,3 Trichlorobenzene	0.91902	1.09058	1.09058	0.000	18.66751	30.00000	Averaged

166865

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7234.d
Lab Smp Id: 1000 Client Smp ID: V5BFB01
Inj Date : 11-AUG-2006 07:26
Operator : VWM Inst ID: msv5.i
Smp Info : 1000*V5BFB01
Misc Info : MSV~8849~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/bfb1.m
Meth Date : 05-Jun-2006 07:35 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		
8.447	8.600	(0.000)	95	183520		100.00	100.00	100.00
8.447	8.600	(0.000)	50	50038		15.00	40.00	27.27
8.447	8.600	(0.000)	75	106192		30.00	60.00	57.86
8.447	8.600	(0.000)	96	11803		5.00	9.00	6.43
8.447	8.600	(0.000)	173	268		0.00	2.00	0.26
8.447	8.600	(0.000)	174	104060		50.00	120.00	56.70
8.447	8.600	(0.000)	175	7958		5.00	9.00	7.65
8.447	8.600	(0.000)	176	105026		95.00	101.00	100.93
8.447	8.600	(0.000)	177	5655		5.00	9.00	5.38

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166866

Data File: /var/chem/msv5.i/2060811.s.b/g7234.d

Date : 11-AUG-2006 07:26

Client ID: V5BFB01

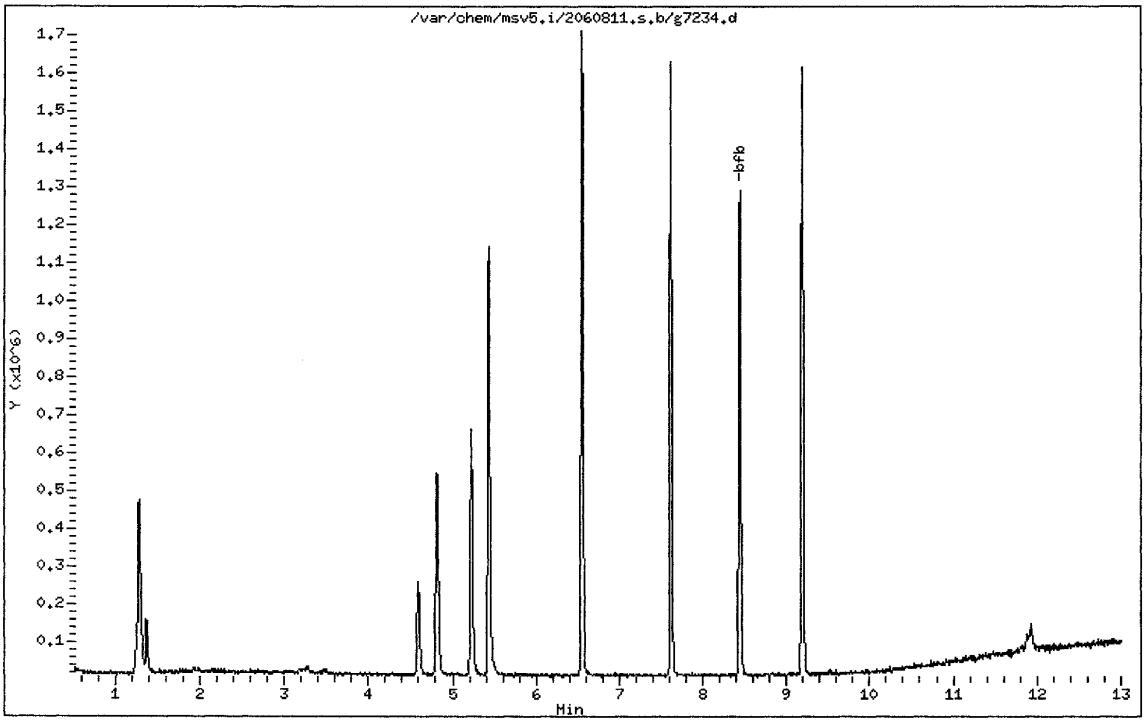
Instrument: msv5.i

Sample Info: 1000*V5BFB01

Operator: VWH

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2060811.s.b/g7234.d

Date : 11-AUG-2006 07:26

Client ID: V5BFB01

Instrument: msv5.i

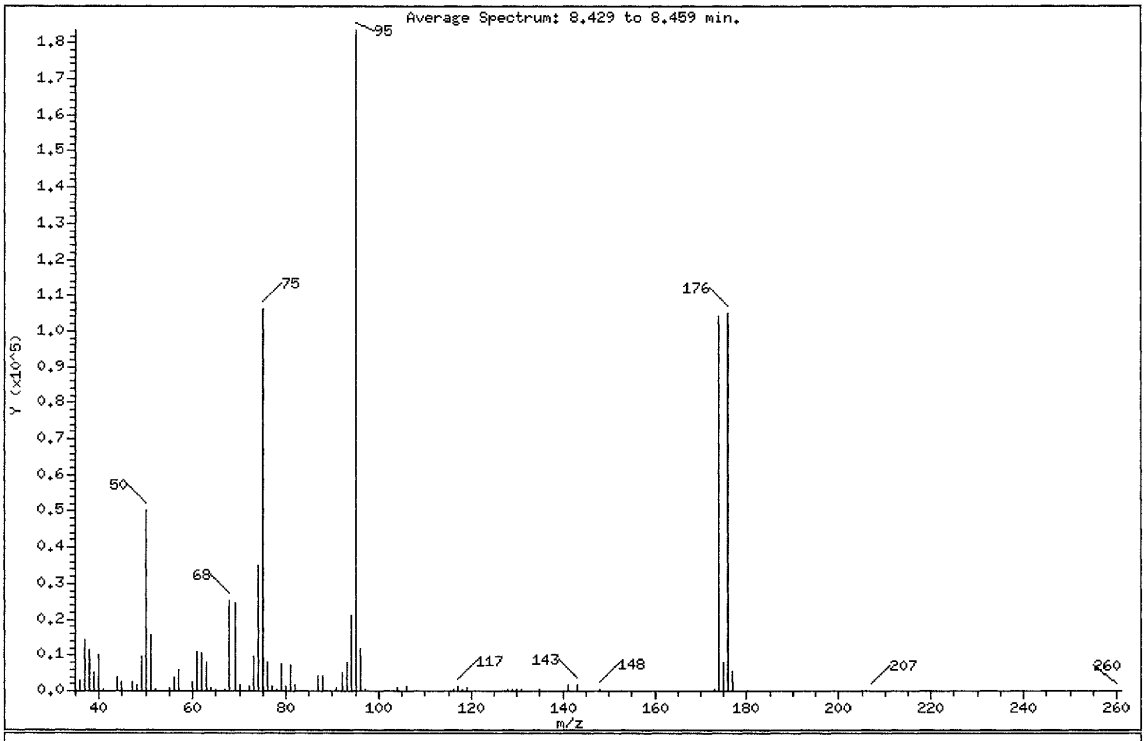
Sample Info: 1000*V5BFB01

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	27.27
75	30.00 - 60.00% of mass 95	57.86
96	5.00 - 9.00% of mass 95	6.43
173	Less than 2.00% of mass 174	0.15 (0.26)
174	50.00 - 120.00% of mass 95	56.70
175	5.00 - 9.00% of mass 174	4.34 (7.65)
176	95.00 - 101.00% of mass 174	57.23 (100.93)
177	5.00 - 9.00% of mass 176	3.08 (5.38)

Data File: /var/chem/msv5.i/2060811.s.b/g7234.d

Date : 11-AUG-2006 07:26

Client ID: V5BFB01 Instrument: msv5.i

Sample Info: 1000*V5BFB01

Operator: VWM

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

Data File: g7234.d
Spectrum: Average Spectrum: 8.429 to 8.459 min.
Location of Maximum: 95.00
Number of points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2804	61.00	10768	93.00	7913	140.00	74
37.00	14510	62.00	10624	94.00	20944	141.00	1738
38.00	11512	63.00	8138	95.00	183488	142.00	69
39.00	4865	64.00	969	96.00	11803	143.00	1754
40.00	10188	65.00	349	97.00	461	144.00	109
41.00	535	67.00	565	104.00	969	145.00	81
42.00	84	68.00	25312	105.00	99	148.00	375
43.00	166	69.00	24368	106.00	1101	149.00	112
44.00	3950	70.00	1504	107.00	92	154.00	98
45.00	2709	72.00	1173	110.00	69	155.00	209
46.00	94	73.00	9842	112.00	141	159.00	158
47.00	2408	74.00	34864	113.00	79	172.00	89
48.00	1623	75.00	106192	115.00	70	173.00	268
49.00	9615	76.00	7963	116.00	526	174.00	104056
50.00	50032	77.00	1205	117.00	1190	175.00	7958
51.00	15702	78.00	579	118.00	491	176.00	105024
52.00	451	79.00	7680	119.00	837	177.00	5655
53.00	84	80.00	1446	122.00	94	178.00	88
55.00	865	81.00	7287	128.00	535	207.00	143
56.00	3897	82.00	1665	129.00	409	211.00	76
57.00	6001	87.00	4241	130.00	588	260.00	85
58.00	172	88.00	4023	131.00	226		
59.00	98	91.00	643	135.00	249		
60.00	2374	92.00	5013	137.00	189		

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7235.d
Lab Smp Id: 1400 Client Smp ID: V5STD050
Inj Date : 11-AUG-2006 07:59
Operator : VWM Inst ID: msv5.i
Smp Info : 1400*V5STD050*5-51-5
Misc Info : MSV~8849~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.416	1.416	(0.260)	643980	50.0000	50.9	
	2 Chloromethane ++	50	1.574	1.574	(0.290)	537797	50.0000	50.5	
	3 Vinyl Chloride +	62	1.644	1.644	(0.302)	454970	50.0000	53.2	
	5 Bromomethane	94	1.914	1.914	(0.352)	250804	50.0000	44.5	
M	6 1-3 Dichloropropene-Total	100				1249539	100.000	119	0
	8 Chloroethane	64	2.007	2.007	(0.369)	149305	50.0000	113	
	9 Trichlorofluoromethane	101	2.142	2.142	(0.394)	549944	50.0000	54.7	
	11 1,1-Dichloroethene +	96	2.623	2.623	(0.483)	209355	50.0000	54.8	
	12 Carbon Disulfide	76	2.647	2.647	(0.487)	950581	50.0000	52.9	
	13 1,1,2Trichlotrifluoroethane	101	2.670	2.670	(0.491)	270115	50.0000	60.7	
	14 Methyl Iodide	142	2.759	2.759	(0.508)	385589	50.0000	44.7	
	15 Acrolein	56	2.976	2.976	(0.548)	103142	250.000	256	(A)
	17 Methylene Chloride	49	3.228	3.228	(0.594)	440143	50.0000	57.0	
	18 Acetone	43	3.292	3.292	(0.606)	143618	50.0000	78.6	

		QUANT SIG				AMOUNTS CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	19 trans-1,2-Dichloroethene	61	3.392	3.392 (0.624)	472145	50.0000	58.1	
	20 Methyl Acetate	43	3.427	3.427 (0.631)	205061	50.0000	53.2	7818
	21 Hexane	57	3.480	3.480 (0.640)	544304	50.0000	56.5	9504
	22 MTBE	73	3.515	3.515 (0.647)	696695	50.0000	58.5	9447
	27 1,1-Dichloroethane ++	63	3.978	3.978 (0.732)	592492	50.0000	54.7	
	29 Acrylonitrile	53	4.025	4.025 (0.741)	557591	250.000	283	(A)
	30 Vinyl Acetate	43	4.213	4.213 (0.775)	698029	50.0000	61.2	
	31 cis-1,2-Dichloroethene	61	4.447	4.447 (0.818)	540114	50.0000	57.2	
	32 2,2-Dichloropropane	77	4.535	4.535 (0.834)	563518	50.0000	57.7	
	33 Bromochloromethane	128	4.612	4.612 (0.849)	143029	50.0000	53.1	
	34 Cyclohexane	56	4.606	4.606 (0.847)	517072	50.0000	59.5	9048
	35 Chloroform +	83	4.677	4.677 (0.860)	664959	50.0000	58.8	
	36 Carbon Tetrachloride	117	4.782	4.782 (0.880)	541097	50.0000	59.2	
$	39 Dibromofluoromethane	111	4.818	4.818 (0.886)	389864	50.0000	55.0	9590
	40 1,1,1-Trichloroethane	97	4.835	4.835 (0.890)	547598	50.0000	57.7	
	42 2-Butanone	43	4.918	4.918 (0.905)	201809	50.0000	58.3	
	43 1,1-Dichloropropene	75	4.930	4.930 (0.907)	465623	50.0000	58.3	
	45 Benzene	78	5.124	5.124 (0.943)	1004344	50.0000	53.5	
$	48 1,2-Dichloroethane-d4	67	5.229	5.229 (0.962)	271315	50.0000	59.3	
	49 1,2-Dichloroethane	62	5.282	5.282 (0.972)	644765	50.0000	55.7	
*	52 FLUOROBENZENE	96	5.435	5.435 (1.000)	933059	50.0000		
	53 Methyl Cyclohexane	83	5.552	5.552 (1.022)	435280	50.0000	58.2	8999
	54 Trichloroethene	130	5.564	5.564 (1.024)	275202	50.0000	58.8	
	57 Dibromomethane	93	5.869	5.869 (1.080)	250198	50.0000	56.3	
	59 1,2-Dichloropropane +	63	5.940	5.940 (1.093)	347966	50.0000	57.9	
	60 Bromodichloromethane	83	5.987	5.987 (1.102)	550186	50.0000	59.2	
M	61 Total 1,2-Dichloroethene	61			1012259	100.000	115	
	64 1-Bromo-2-chloroethane	63	6.327	6.327 (1.164)	506193	50.0000	54.5	9497
	65 2-Chloroethyl vinyl ether	63	6.380	6.380 (1.174)	271590	50.0000	61.4	
	66 cis-1,3-Dichloropropene	75	6.427	6.427 (1.183)	612276	50.0000	60.0	
$	67 Toluene-d8	98	6.556	6.556 (0.860)	1001783	50.0000	53.4	
	69 Toluene +	91	6.592	6.592 (0.865)	1148310	50.0000	52.5	
	71 4-methyl-2-pentanone	43	6.844	6.844 (1.259)	439177	50.0000	58.7	
	72 Tetrachloroethene	164	6.862	6.862 (0.901)	201191	50.0000	56.3	
	73 trans-1,3-Dichloropropene	75	6.874	6.874 (0.902)	637263	50.0000	55.5	
	75 1,1,2-Trichloroethane	97	6.985	6.985 (0.917)	261550	50.0000	48.9	
	76 Dibromochloromethane	129	7.109	7.109 (0.933)	421176	50.0000	55.1	
	77 1,3-Dichloropropane	76	7.174	7.174 (0.941)	538830	50.0000	52.3	
	79 1,2-Dibromoethane(EDB)	107	7.279	7.279 (0.955)	330929	50.0000	56.5	
	80 2-Hexanone	43	7.408	7.408 (0.972)	340727	50.0000	64.0	
	82 1-Chlorohexane	91	7.596	7.596 (0.997)	482578	50.0000	53.6	9230
*	83 CHLOROBENZENE-d5	82	7.620	7.620 (1.000)	554535	50.0000		
	84 Chlorobenzene ++	112	7.632	7.632 (1.002)	788551	50.0000	55.1	
	85 Ethylbenzene +	106	7.643	7.643 (1.003)	414627	50.0000	54.6	
	86 1,1,1,2-Tetrachloroethane	133	7.673	7.673 (1.007)	331945	50.0000	55.8	
	87 p,m-Xylene	106	7.738	7.738 (1.016)	1002851	100.000	113	
	89 o-Xylene	106	8.031	8.031 (1.054)	520866	50.0000	60.1	

166871

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
90	Styrene	104	8.067	8.067	(1.059)	930030	50.0000	60.7	
91	Bromoform ++	173	8.102	8.102	(1.063)	260690	50.0000	61.0	
93	Isopropylbenzene	105	8.237	8.237	(1.081)	1451616	50.0000	58.7	
$ 94	Bromofluorobenzene	174	8.443	8.443	(1.108)	328397	50.0000	57.6	
95	n-Propylbenzene	91	8.520	8.520	(0.926)	1896725	50.0000	54.7	
96	Bromobenzene	77	8.526	8.526	(0.927)	828252	50.0000	52.6	
97	1,1,2,2-Tetrachloroethane++	83	8.567	8.567	(0.931)	440306	50.0000	53.4	
98	2-Chlorotoluene	91	8.644	8.644	(0.940)	1353579	50.0000	55.0	
99	1,3,5-Trimethylbenzene	105	8.644	8.644	(0.940)	1313364	50.0000	51.9	
100	1,2,3-Trichloropropane	75	8.674	8.674	(0.943)	583582	50.0000	56.4	
101	trans-1,4-Dichloro-2-Butene	53	8.691	8.691	(0.945)	137923	50.0000	51.6	
103	4-Chlorotoluene	91	8.756	8.756	(0.952)	1262124	50.0000	55.3	
104	tert-butylbenzene	91	8.868	8.868	(0.964)	850674	50.0000	53.9	
106	1,2,4-Trimethylbenzene	105	8.915	8.915	(0.969)	1398862	50.0000	56.6	
107	sec-Butylbenzene	105	8.986	8.986	(0.977)	1758345	50.0000	56.8	
108	p-Isopropyltoluene	119	9.075	9.075	(0.986)	1520567	50.0000	58.6	
110	1,3-Dichlorobenzene	146	9.151	9.151	(0.995)	676066	50.0000	55.0	
* 111	1,4-DICHLOROBENZENE-D4	152	9.199	9.199	(1.000)	420215	50.0000		
112	1,4-Dichlorobenzene	146	9.205	9.205	(1.001)	686332	50.0000	53.2	
115	n-Butylbenzene	91	9.346	9.346	(1.016)	1603822	50.0000	56.6	
116	1,2-Dichlorobenzene	146	9.487	9.487	(1.031)	668071	50.0000	55.6	
120	1,2-Dibromo-3-Chloropropane	157	9.992	9.992	(1.086)	86400	50.0000	57.9	
122	Hexachlorobutadiene	225	10.375	10.375	(1.128)	307045	50.0000	63.4	
123	1,2,4-Trichlorobenzene	180	10.410	10.410	(1.132)	489554	50.0000	61.6	
M 124	TOTAL XYLENE	106				1523717	150.000	173	
125	Naphthalene	128	10.623	10.623	(1.155)	1311707	50.0000	56.9	
126	1,2,3-Trichlorobenzene	180	10.747	10.747	(1.168)	458276	50.0000	59.3	

QC Flag Legend

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

166872

000412

Data File: /var/chem/msv5.i/2060811.s.b/g7235.d

Page 1

Date : 11-AUG-2006 07:59

Client ID: V5STD050

Instrument: msv5.i

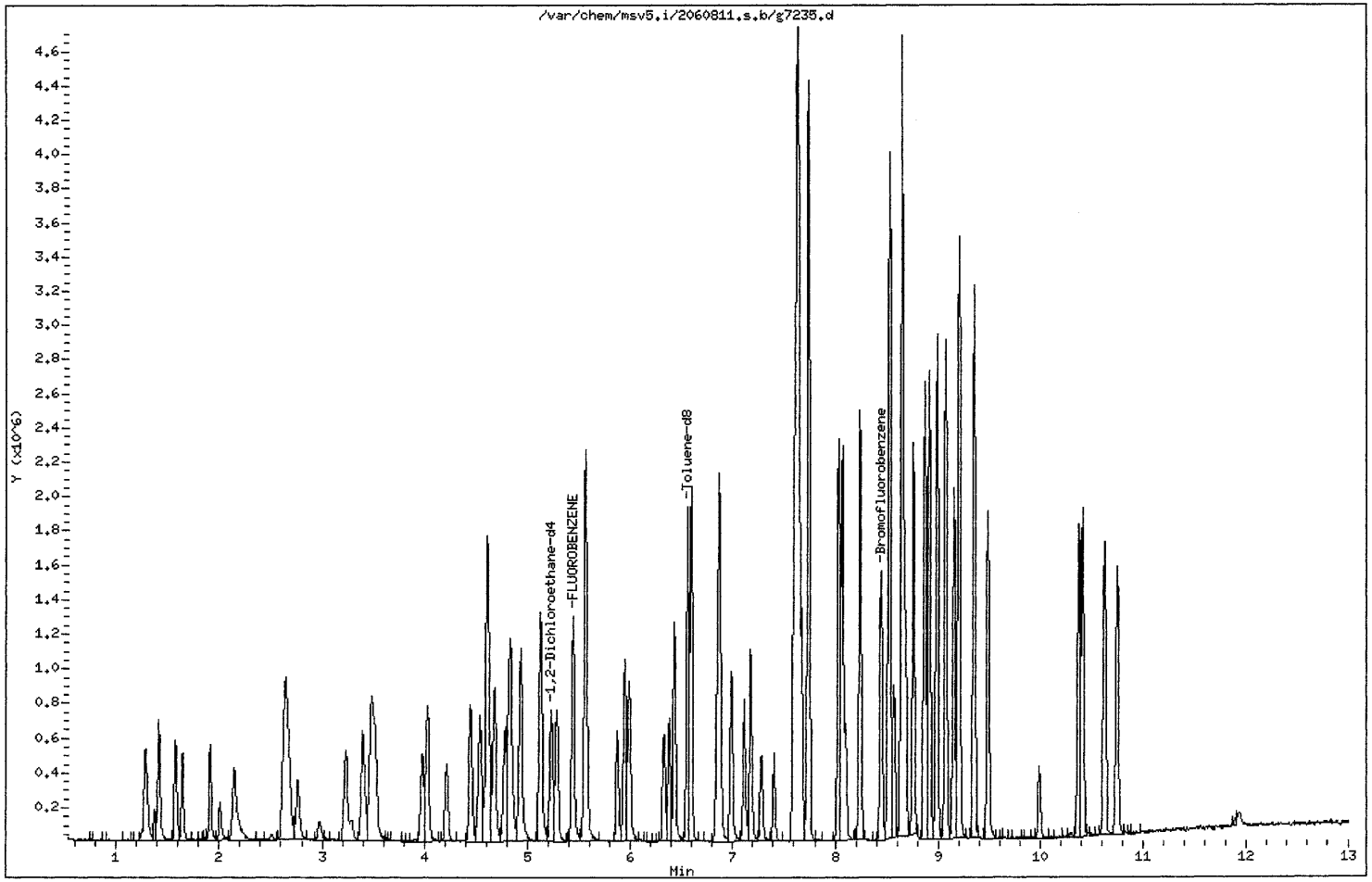
Sample Info: 1400*V5STD050*5-51-5

Purge Volume: 5.0

Operator: VWM

Column phase: DB-VRX-30M

Column diameter: 0.53

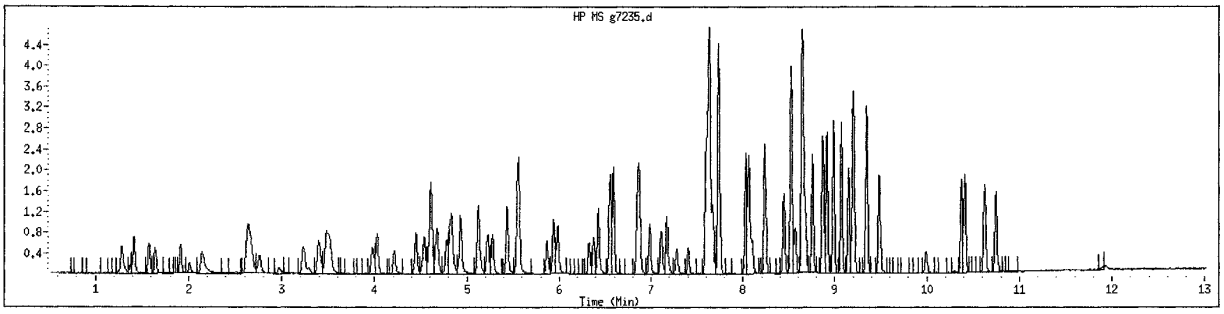


166873

Data file : /var/chem/msv5.i/2060811.s.b/g7235.d Page: 1
Report Date: 08/11/2006 11:32

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1400	SampleType	: CCALIB_3
Injection Date	: 11-AUG-2006 07:59	Instrument	: msv5.i
Operator	: VWM		
Sample Info	: 1400*V5STD050*5-51-5		
Misc Info	: MSV~8849~*1*VWM		
Method	: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

000413

166874

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 11-AUG-2006 09:23
Lab File ID: g7238.d Init. Cal. Date(s): 14-JUN-2006 07-AUG-2006
Analysis Type: WATER Init. Cal. Times: 07:30 13:41
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
1,3 Butadiene	0.25096	0.52059	0.52059	0.050	107	30.00000	Averaged<-
Ethyl Ether	0.16454	0.24288	0.24288	0.050	47.61878	30.00000	Averaged<-
sec Butanol	0.01874	0.03663	0.03663	0.050	95.46466	30.00000	Averaged<-
Allyl chloride	0.26679	0.44602	0.44602	0.050	67.17677	30.00000	Averaged<-
Acetonitrile	286	250	0.04993	0.050	14.52920	0.000e+00	Linear<-
tert Butyl Alcohol	0.01780	0.03765	0.03765	0.050	112	30.00000	Averaged<-
Isopropyl Ether	0.93481	1.48357	1.48357	0.050	58.70398	30.00000	Averaged<-
Chloroprene	0.39175	0.62841	0.62841	0.050	60.40919	30.00000	Averaged<-
Tetrahydrofuran	0.08815	0.11977	0.11977	0.050	35.87668	30.00000	Averaged<-
Ethyl Acetate	0.14840	0.15978	0.15978	0.050	7.66753	30.00000	Averaged
2 2 4 Trimethyl Pentane	0.99970	1.57285	1.57285	0.050	57.33289	30.00000	Averaged<-
Propionitrile	0.04216	0.05111	0.05111	0.010	21.23323	30.00000	Averaged
Methacrylonitrile	0.18326	0.33807	0.33807	0.050	84.48096	30.00000	Averaged<-
Isobutyl Alcohol	272	250	0.01370	0.000	8.95927	0.000e+00	Quadratic<-
2 3 Dichloro-1-Proprene	0.46011	0.67827	0.67827	0.000	47.41542	30.00000	Averaged<-
n Butanol	0.00800	0.01059	0.01059	0.000	32.28591	30.00000	Averaged<-
Ethyl Methacrylate	0.72346	0.84325	0.84325	0.000	16.55800	30.00000	Averaged
1,4 Dioxane	1409	1250	0.00271	0.000	12.71666	0.000e+00	Quadratic<-
2 nitropropane	0.07959	0.11001	0.11001	0.050	38.22307	30.00000	Averaged<-
Methyl methacrylate	0.20296	0.24391	0.24391	0.000	20.17910	30.00000	Averaged
1 nitropropane	0.05694	0.11001	0.11001	0.050	93.19532	30.00000	Averaged<-
1,5 Cyclooctadiene	77.06134	50.00000	0.67764	0.050	54.12269	0.000e+00	Linear<-
Cyclohexanone	168	100	0.07412	0.000	68.15158	0.000e+00	Quadratic<-
Pentachloroethane	0.58528	0.48792	0.48792	0.050	-16.63504	30.00000	Averaged
Dicylopentadiene	3.92589	6.28596	6.28596	0.050	60.11562	30.00000	Averaged<-
Benzal Chloride	13.98294	100	0.03230	0.010	-86.01706	0.000e+00	Quadratic<-

000414

166875

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7238.d
Lab Smp Id: 1400 Client Smp ID: V5STD050APP9
Inj Date : 11-AUG-2006 09:23
Operator : VWM Inst ID: msv5.i
Smp Info : 1400*V5STD050APP9
Misc Info : MSV~8849~*1*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 14-Aug-2006 16:37 kcb Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
4	1-3 Butadiene	39	1.656	1.656	(0.304)	555896	50.0000	104	9515
10	Ethyl Ether	59	2.435	2.435	(0.448)	1296791	250.000	369	9629
41	sec-Butanol	45	4.851	4.851	(0.892)	39110	50.0000	97.7	4863
16	Allyl chloride	39	3.121	3.121	(0.574)	476266	50.0000	83.6	9394
24	Acetonitrile	41	3.742	3.742	(0.688)	266565	250.000	286	8391
23	tert-Butyl Alcohol	59	3.660	3.660	(0.673)	40205	50.0000	106	3211(M)
25	Isopropyl Ether	45	3.889	3.889	(0.715)	1584196	50.0000	79.4	9241
26	Chloroprene	53	3.959	3.959	(0.728)	671026	50.0000	80.2	8716
38	Tetrahydrofuran	42	4.798	4.798	(0.882)	639482	250.000	340	8977(A)
37	Ethyl Acetate	43	4.780	4.780	(0.879)	853097	250.000	269	4779
44	2-2-4 trimethyl Pentane	57	5.015	5.015	(0.922)	1679527	50.0000	78.7	9509(A)
46	Propionitrile	54	5.150	5.150	(0.947)	272872	250.000	303	8363
47	Methacrylonitrile	41	5.162	5.162	(0.949)	361003	50.0000	92.2	9053(A)
* 52	FLUOROBENZENE	96	5.438	5.438	(1.000)	1067824	50.0000		

166876

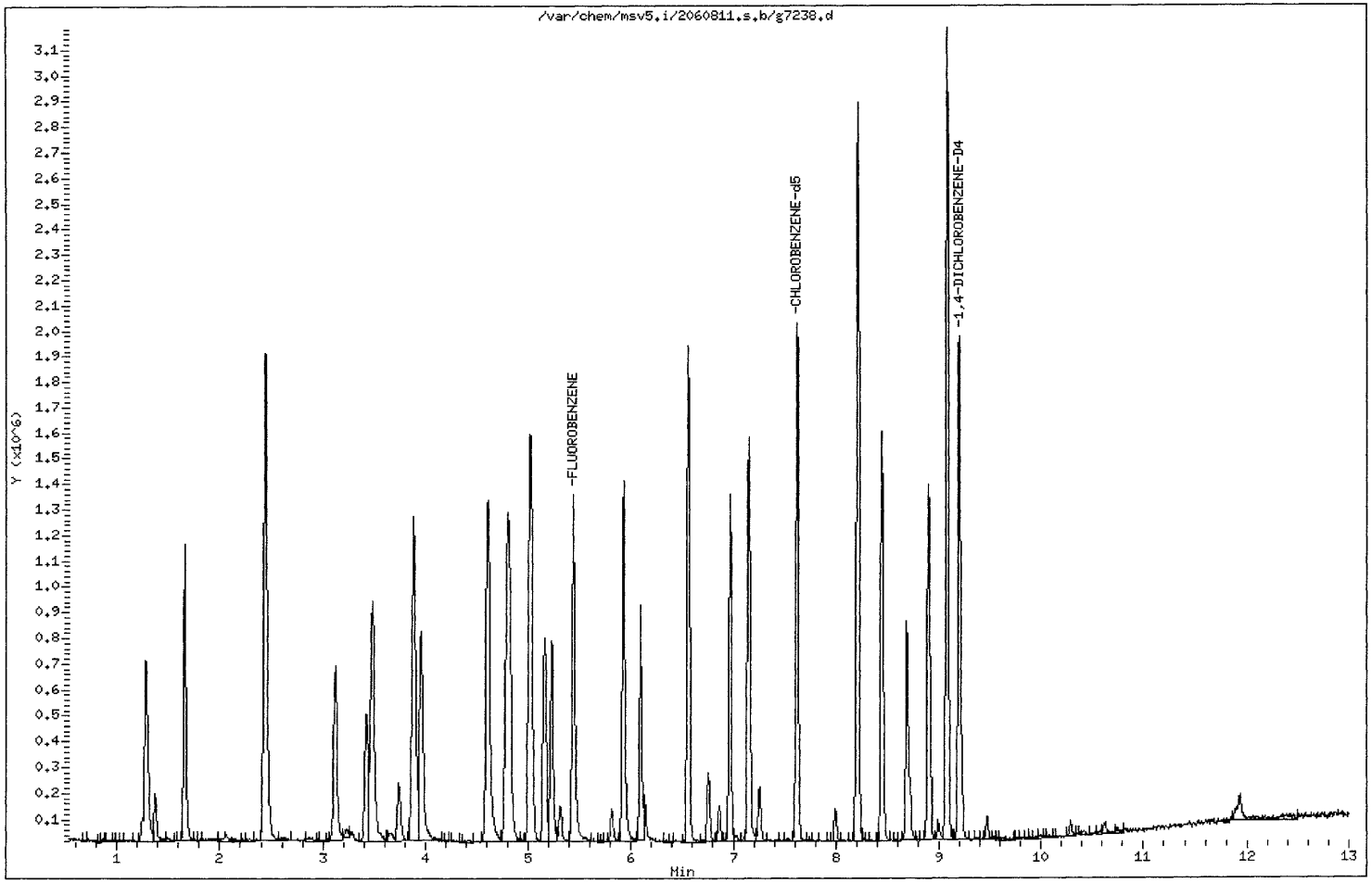
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
50	Isobutyl Alcohol	43	5.308	5.308	(0.976)	73154	250.000	272	8564
58	2-3 Dichloro-1-Proprene	75	5.924	5.924	(1.089)	724273	50.0000	73.7	9196
56	n-Butanol	56	5.813	5.813	(1.069)	56530	250.000	331	8808
74	Ethyl Methacrylate	41	6.968	6.968	(0.915)	515424	50.0000	58.3	7856
63	1,4- Dioxane	58	6.136	6.136	(1.128)	72243	1250.00	1410	8711
70	2-nitropropane	43	7.256	7.256	(1.334)	117476	50.0000	69.1	9405
62	Methyl Methacrylate	69	6.089	6.089	(1.120)	260454	50.0000	60.1	7301
78	1-nitropropane	43	7.256	7.256	(1.334)	117476	50.0000	96.6	8714
* 83	CHLOROBENZENE-d5	82	7.619	7.619	(1.000)	611233	50.0000		
92	1,5 Cyclooctadiene	67	8.211	8.211	(1.510)	723602	50.0000	77.1	9572(A)
102	Cyclohexanone	55	8.716	8.716	(1.144)	90611	100.000	168	8379
105	Pentachloroethane	167	8.898	8.898	(0.967)	205163	50.0000	41.7	9423
109	Dicylopentadiene	66	9.081	9.081	(0.987)	2643165	50.0000	80.1	9709(A)
* 111	1,4-DICHLOROBENZENE-D4	152	9.199	9.199	(1.000)	420487	50.0000		
121	Benzal Chloride	125	10.296	10.296	(1.119)	27166	100.000	14.0	7243

QC Flag Legend

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

Data File: /var/chem/msv5.i/2060811.s.b/g7238.d
Date : 11-AUG-2006 09:23
Client ID: W5STD050APP9
Sample Info: 1400*W5STD050APP9
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: WWM
Column diameter: 0.53

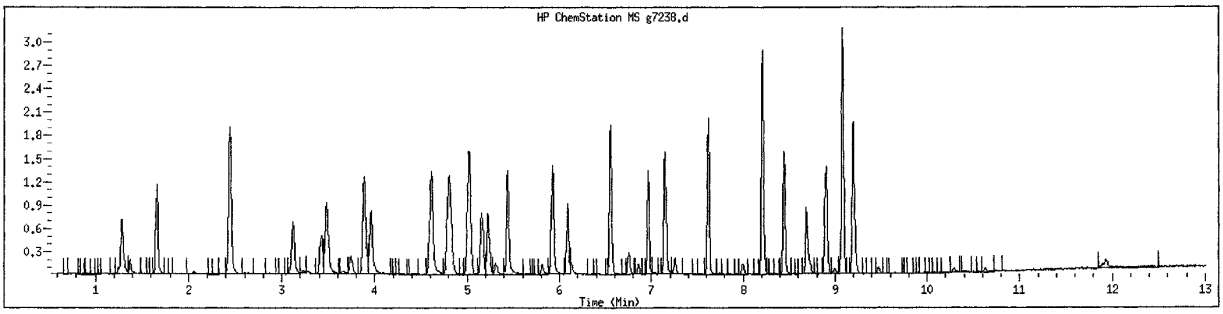


000417

Data file : /var/chem/msv5.i/2060811.s.b/g7238.d Page: 1
Report Date: 08/14/2006 16:37

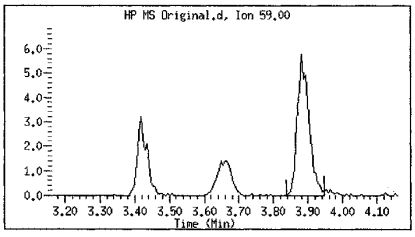
MANUAL INTEGRATION GRAPHIC REPORT

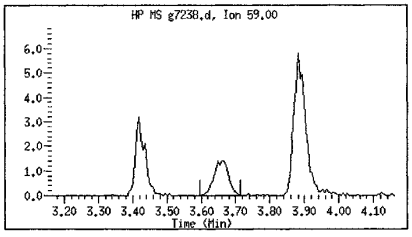
Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 11-AUG-2006 09:23 Instrument : msv5.i
Operator : VWM
Sample Info : 1400*V5STD050APP9
Misc Info : MSV~8849~*1*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: APP9



Original Final

23 tert-Butyl Alcohol CAS#: 75-65-0





000418

166879

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 rjo

Calibration File Names:
Level 1: /var/chem/msv6.i/2060810p.s.b/b6556.d
Level 2: /var/chem/msv6.i/2060810p.s.b/b6558.d
Level 3: /var/chem/msv6.i/2060810p.s.b/b6559.d
Level 4: /var/chem/msv6.i/2060810p.s.b/b6560.d
Level 5: /var/chem/msv6.i/2060810p.s.b/b6561.d
Level 6: /var/chem/msv6.i/2060810p.s.b/b6555.d
Level 7: /var/chem/msv6.i/2060810p.s.b/b6557.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	0.49970	0.45038	0.41415	0.40649	0.39031	0.57553						
	0.47818						AVRG		0.45925		14.10223	
2 Chloromethane ++	0.09377	0.09813	0.08971	0.10659	0.11553	0.11811						
	0.09612						AVRG		0.10256		10.75340	<-
3 Vinyl Chloride +	0.24685	0.23276	0.21149	0.19181	0.15865	0.27733						
	0.23998						AVRG		0.22269		17.53549	
9 1,3 Butadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e-00		0.000e-00	<-
4 Bromomethane	0.24392	0.24910	0.20586	0.23114	0.21789	+++++						
	0.23383						AVRG		0.23029		7.01217	
5 Chloroethane	0.13545	0.14617	0.13884	0.13325	0.13253	0.17274						
	0.16238						AVRG		0.14591		10.80033	

000419

166880

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
7 Acrolein	0.01409	0.01415	0.01344	0.01488	0.01425	0.01797						
	0.01406						AVRG		0.01469		10.26300	
6 Trichlorofluoromethane	0.47880	0.45823	0.42499	0.40502	0.38200	0.55135						
	0.47957						AVRG		0.45428		12.44843	
30 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
8 Acetone	20475	41614	102248	211416	422185	+++++						
	27310						LINR	-0.09642	0.09355		0.99901	
21 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
37 tert-butyl alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
10 1,1-Dichloroethene +	0.21007	0.19763	0.17962	0.16755	0.17176	0.24078						
	0.20228						AVRG		0.19567		13.04512	
11 Methyl Iodide	9191	41172	129803	318542	810053	+++++						
	17437						QUAD	0.07880	7.15833	-2.46068	0.99925	
12 Acrylonitrile	0.05815	0.05414	0.05202	0.05542	0.05208	0.05474						
	0.05887						AVRG		0.05506		4.87789	

000420

166881

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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 Methylene Chloride	49891	120179	272247	502755	1019051	+++++						
	76439						LINR	-0.15762	0.22189		0.99978	
14 1,1,2Trichlotrifluoroethane	0.24992	0.22573	0.20787	0.20069	0.19495	0.28808						
	0.23151						AVRG		0.22839		14.24397	
15 Methyl Acetate	0.10907	0.10979	0.08837	0.09698	0.09364	+++++						
	0.10824						AVRG		0.10101		9.12498	
29 Allyl Chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
16 Carbon Disulfide	0.70172	0.67391	0.62841	0.62881	0.64224	0.90223						
	0.67299						AVRG		0.69290		13.87854	
17 trans-1,2-Dichloroethene	0.33738	0.31786	0.28943	0.28557	0.28638	0.38035						
	0.32581						AVRG		0.31754		10.90164	
18 MTBE	0.75360	0.75276	0.72740	0.74736	0.71799	0.79578						
	0.78486						AVRG		0.75425		3.72958	
19 1,1-Dichloroethane ++	0.40133	0.41424	0.37572	0.38323	0.38417	0.43765						
	0.41009						AVRG		0.40092		5.42559	
44 Propionitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

000421

166882

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
20 Vinyl Acetate	0.18828	0.20218	0.20521	0.20187	0.21239	0.17597						
	0.20772						AVRG		0.19909		6.34591	
39 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
22 Hexane	48562	134940	298227	592326	1201670	+++++						
	76506						LINR	-0.10425	0.26519		0.99974	
23 2-Butanone	42575	122725	265706	554963	1157941	+++++						
	61548						LINR	-0.05486	0.25741		0.99959	
36 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
45 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
51 Methylacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
24 cis-1,2-Dichloroethene	0.34242	0.31951	0.30569	0.30282	0.31273	0.35806						
	0.32330						AVRG		0.32350		6.21887	
25 Bromochloromethane	0.10175	0.09403	0.08333	0.08728	0.08893	0.08620						
	0.09652						AVRG		0.09115		7.15301	

000422

166883

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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 Chloroform +	0.47195	0.48581	0.46314	0.45358	0.45783	0.51052						
	0.45702						AVRG		0.47141		4.34327	
27 2,2-Dichloropropane	0.41686	0.40222	0.38825	0.38456	0.39010	0.48982						
	0.42001						AVRG		0.41312		8.85363	
43 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
65 Isobutyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
47 Tetrahydrofuran	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
32 1,2-Dichloroethane	0.44614	0.42395	0.40442	0.39778	0.40246	0.41334						
	0.38699						AVRG		0.41073		4.74071	
33 1,1,1-Trichloroethane	0.41268	0.41319	0.38402	0.37367	0.37442	0.45642						
	0.39352						AVRG		0.40113		7.30628	
34 1,1-Dichloropropene	0.36766	0.35778	0.32417	0.32040	0.32068	0.43309						
	0.36547						AVRG		0.35561		11.30615	
57 N-Butyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

000423

166884

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
35 Cyclohexane	0.33394	0.34018	0.31521	0.31101	0.30862	0.44720						
	0.34970						AVRG		0.34369		14.03757	
38 Carbon Tetrachloride	0.27004	0.28419	0.27693	0.28144	0.29052	0.27889						
	0.27383						AVRG		0.27941		2.42575	
40 Benzene	1.03394	1.00096	0.92204	0.90697	0.91409	1.12245						
	1.01343						AVRG		0.98770		7.99165	
52 2,2,4 trimethyl Pentane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
46 Dibromomethane	0.18206	0.17904	0.17007	0.17125	0.17025	0.16451						
	0.17993						AVRG		0.17387		3.73181	
48 1,2-Dichloropropane +	0.29059	0.27365	0.27229	0.25633	0.25901	0.31866						
	0.28844						AVRG		0.27985		7.68960	
49 Trichloroethene	31175	114809	275347	533741	1095809	15656						
	59072						LINR	-0.05488	0.24535		0.99962	
59 2,3-Dichloro-1-propene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
50 Bromodichloromethane	0.41291	0.41242	0.41824	0.42620	0.44134	0.40952						
	0.42867						AVRG		0.42133		2.70178	

000424

166885

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
66 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
61 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
60 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
53 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	
54 1-Bromo-2-chloroethane	0.35285	0.37510	0.35530	0.35833	0.34847	0.36483						
	0.39232						AVRG		0.36389		4.19678	
55 Methyl cyclohexane	0.50513	0.48718	0.46533	0.45011	0.44137	0.59871						
	0.50741						AVRG		0.49360		10.73002	
56 cis-1,3-Dichloropropene	0.43044	0.45224	0.46413	0.48011	0.49141	0.44256						
	0.46064						AVRG		0.46022		4.56316	
73 2-Nitroprpoane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
58 4-methyl-2-pentanone	0.21333	0.20142	0.20144	0.21941	0.21023	0.22980						
	0.21382						AVRG		0.21278		4.69626	

000425

166886

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
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Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
42 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
99 trans-1,3-Dichloropropene	0.74663	0.83734	0.83784	0.84289	0.81120	0.76102						
	0.82182						AVRG		0.80839		4.82858	
64 1,1,2-Trichloroethane	0.45562	0.45370	0.42593	0.41156	0.38617	0.45570						
	0.47422						AVRG		0.43756		7.05134	
69 Toluene +	2.46395	2.40559	2.18728	1.98739	1.80887	2.86967						
	2.51053						AVRG		2.31904		15.30629	<-
70 1,3-Dichloropropane	0.80121	0.83611	0.77950	0.75939	0.71929	0.87719						
	0.83749						AVRG		0.80145		6.68818	
71 Ethyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
72 Dibromochloromethane	0.44132	0.48205	0.49606	0.50104	0.48701	0.46012						
	0.46759						AVRG		0.47646		4.46155	
74 2-Hexanone	0.27044	0.31946	0.30895	0.32697	0.29375	0.33322						
	0.31733						AVRG		0.31002		6.96918	
77 1,2-Dibromoethane(EDB)	0.41930	0.43000	0.42084	0.40770	0.38499	0.42292						
	0.44119						AVRG		0.41813		4.26852	

000426

166887

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/20060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
81 Tetrachloroethene	21505	79263	195322	379748	810382	11115						
	40748						LINR	-0.08115	0.31632		0.99866	
62 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
M 63 Total Difluorobenzene(1)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
67 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
84 1,1,1,2-Tetrachloroethane	0.47473	0.47663	0.47679	0.45270	0.43156	0.47592						
	0.48020						AVRG		0.46693		3.87310	
86 Chlorobenzene ++	1.42382	1.45353	1.36083	1.25507	1.15099	1.63201						
	1.46361						AVRG		1.39141		11.18556	
87 1-Chlorohexane	0.38164	0.39109	0.36715	0.36092	0.35604	0.44664						
	0.39616						AVRG		0.38566		7.99707	
88 Ethylbenzene +	0.81910	0.81225	0.76185	0.70034	0.65227	0.95749						
	0.82776						AVRG		0.79015		12.50965	

000427

166888

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
	75 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++						AVRG		0.000e+00		0.000e+00	<-
	76 Methyl disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++						AVRG		0.000e+00		0.000e+00	<-
	78 2-Methoxyethanol	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++						AVRG		0.000e+00		0.000e+00	<-
	92 Bromoform ++	0.24054	0.26370	0.29135	0.29871	0.28600	0.24444						
		0.26227						AVRG		0.26957		8.50740	
	93 p,m-Xylene	0.99960	0.99910	0.89525	0.81393	0.73890	1.15136						
		1.00774						AVRG		0.94370		14.64180	
M	79 Total 1,2-Dichloroethene	0.33990	0.31869	0.29756	0.29420	0.29955	0.36920						
		0.32456						AVRG		0.32052		8.47227	
M	80 1-3 Dichloropropene-Total	0.40309	0.43713	0.44649	0.46815	0.47818	0.40988						
		0.43896						AVRG		0.44027		6.26890	
	94 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++						
		+++++						AVRG		0.000e+00		0.000e+00	<-
	95 Styrene	1.55392	1.70584	1.49915	1.38398	1.28141	1.73594						
		1.63817						AVRG		1.54263		10.86512	

000428

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
96 1,1,2,2-Tetrachloroethane++	0.73483	0.74520	0.69758	0.69461	0.64236	0.72033						
	0.76702						AVRG		0.71456		5.72319	
97 o-Xylene	0.99205	1.00097	0.91396	0.84254	0.78577	1.14623						
	1.04593						AVRG		0.96106		12.81693	
82 Phenyl Isopropanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
83 Mesityloxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
100 1,2,3-Trichloropropane	0.67247	0.71271	0.67859	0.70180	0.65457	0.73414						
	0.74058						AVRG		0.69927		4.61678	
104 trans-1,4-Dichloro-2-Butene	3733	17615	51273	120902	266480	+++++						
	8031						LINR	0.07569	0.16432		0.99916	
103 Isopropylbenzene	2.44217	2.45548	2.26897	2.01834	1.75173	+++++						
	2.55140						AVRG		2.24801		13.67141	
91 1-5 Cyclooctadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
105 Bromobenzene	1.61006	1.66980	1.55848	1.50157	1.43130	1.81100						
	1.68218						AVRG		1.60920		7.84109	

000429

166890

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
111 n-Propylbenzene	4.53934	4.73118	4.45623	4.12642	3.39227	5.28922						
	4.72448						AVRG		4.46559		13.21186	
107 2-Chlorotoluene	2.94496	2.89809	2.66524	2.27018	+++++	3.57054						
	2.93330						AVRG		2.88038		14.74776	
89 cis-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
90 trans-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
108 4-Chlorotoluene	2.88573	2.98159	2.79385	2.63231	2.38097	3.41995						
	2.95230						AVRG		2.86381		11.25264	
101 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
110 1,3,5-Trimethylbenzene	3.14619	3.26679	3.02584	2.80451	2.54118	3.69287						
	3.25584						AVRG		3.10474		11.83908	
98 Methyl isobutenyl ketone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
112 tert-butylbenzene	2.06057	2.13792	1.97096	1.85550	1.70909	2.31050						
	2.11708						AVRG		2.02309		9.79128	

000430

166891

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
113 1,2,4-Trimethylbenzene	3.19784	3.30415	3.03443	2.82226	2.52718	3.82324						
	3.24896						AVRG		3.13687		12.99217	
114 sec-Butylbenzene	3.98691	4.00005	3.57412	3.27173	+++--	4.70863						
	4.05922						AVRG		3.93344		12.40796	
115 1,3-Dichlorobenzene	1.43109	1.45897	1.32300	1.21754	1.14388	1.71595						
	1.46563						AVRG		1.39372		13.52241	
117 1,4-Dichlorobenzene	1.52982	1.52302	1.44928	1.37269	1.29350	1.78142						
	1.53035						AVRG		1.49715		10.30816	
118 p-Isopropyltoluene	3.32691	3.36337	3.09911	2.84741	2.52631	3.85095						
	3.35496						AVRG		3.19557		13.26904	
106 alpha-methylstyrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
119 1,2-Dichlorobenzene	1.36583	1.47660	1.37579	1.29453	1.21799	1.58262						
	1.42896						AVRG		1.39176		8.58130	
120 n-Butylbenzene	3.34520	3.31476	3.06259	2.84831	+++++	4.17243						
	3.39674						AVRG		3.35667		13.41527	
109 Cumene Hydroperoxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

000431

166892

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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											
124 1,2-Dibromo-3-Chloropropane	0.11852	0.13133	0.13554	0.15219	0.14552	0.12131						
	0.12661						AVRG		0.13300		9.31679	
121 Benzal chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
122 1,2,4-Trichlorobenzene	0.95442	1.01096	0.97538	0.92166	0.82997	1.14816						
	0.97584						AVRG		0.97377		9.88293	
123 Napthalene	1.96852	2.23607	2.15249	2.09678	1.82357	2.23329						
	2.15452						AVRG		2.09503		7.17422	
125 Hexachlorobutadiene	0.75496	0.72724	0.67884	0.62380	0.55091	0.84034						
	0.74150						AVRG		0.70251		13.45663	
126 1,2,3-Trichlorobenzene	0.86747	0.89935	0.90153	0.84787	0.77110	1.00879						
	0.89418						AVRG		0.88433		8.06794	
M 127 TOTAL XYLENE	0.99708	0.99973	0.90149	0.82346	0.75452	1.14965						
	1.02047						AVRG		0.94949		14.00484	
M 128 Total-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

0004432

166893

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 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										
$ 28 Dibromofluoromethane	0.24904	0.23769	0.23357	0.22467	0.23198	+++++					
	0.25074						AVRG		0.23795		4.27774
$ 31 1,2-Dichloroethane-d4	0.18628	0.18363	0.17107	0.17380	0.17193	+++++					
	0.16769						AVRG		0.17573		4.24541
$ 68 Toluene-d8	2.16471	2.07623	1.88314	1.70264	1.56270	+++++					
	2.15526						AVRG		1.92411		13.06149
$ 102 Bromofluorobenzene	0.64221	0.58700	0.55253	0.49215	0.44834	+++++					
	0.62524						AVRG		0.55791		13.61412

000433

166894

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 10-AUG-2006 17:59
End Cal Date : 10-AUG-2006 20:03
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Cal Date : 31-Aug-2006 11:08 rjo

Average %RSD Results.
Calculated Average %RSD = 9.18657302
Maximun Average %RSD = 15
* 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

000434

166895

GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6554.d
Lab Smp Id: 1000 Client Smp ID: V6BFB
Inj Date : 10-AUG-2006 17:05
Operator : RJO Inst ID: msv6.i
Smp Info : 1000*V6BFB
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/bfb6.m
Meth Date : 02-Aug-2006 14:15 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		
9.727	10.096 (0.000)	95	304938			100.00- 100.00	100.00
9.727	10.096 (0.000)	50	55024			15.00- 40.00	18.04
9.727	10.096 (0.000)	75	175991			30.00- 60.00	57.71
9.727	10.096 (0.000)	96	19586			5.00- 9.00	6.42
9.727	10.096 (0.000)	173	2012			0.00- 2.00	0.98
9.727	10.096 (0.000)	174	204778			50.00- 120.00	67.15
9.727	10.096 (0.000)	175	14418			5.00- 9.00	7.04
9.727	10.096 (0.000)	176	197248			95.00- 101.00	96.32
9.727	10.096 (0.000)	177	12889			5.00- 9.00	6.53

166896

Data File: /var/chem/msv6.i/2060810p.s.b/b6554.d

Date : 10-AUG-2006 17:05

Client ID: V6BFB

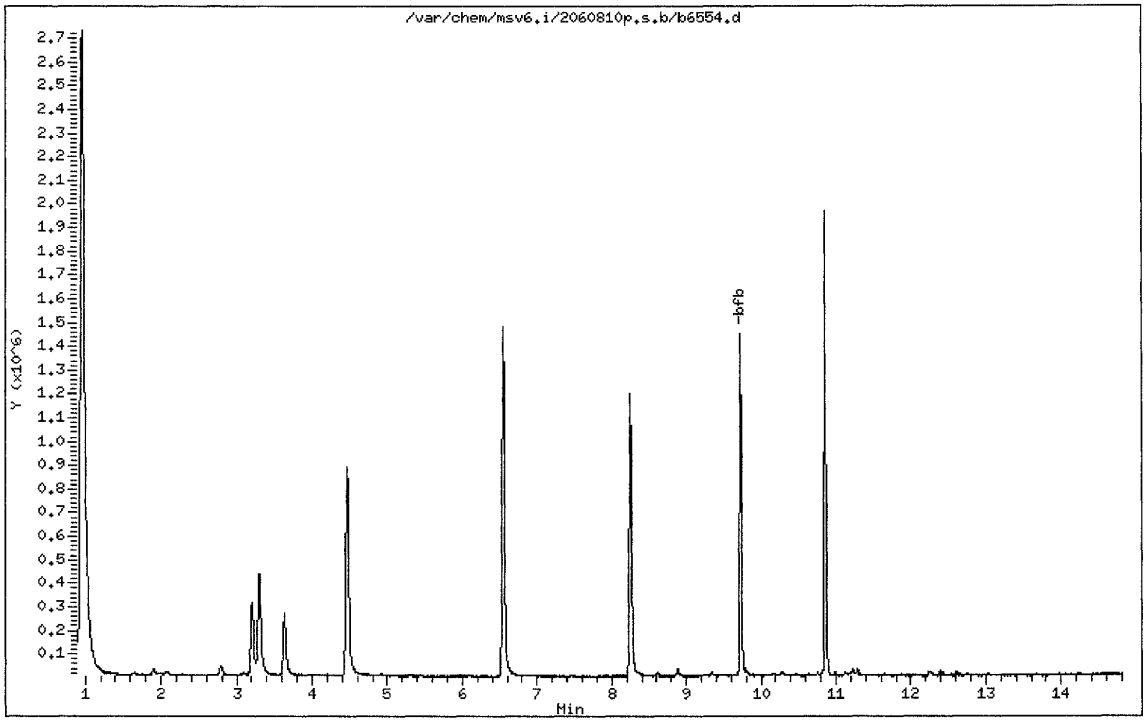
Instrument: msv6.i

Sample Info: 1000xV6BFB

Operator: RJO

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv6.i/2060810p.s.b/b6554.d

Date : 10-AUG-2006 17:05

Client ID: V6BFB

Instrument: msv6.i

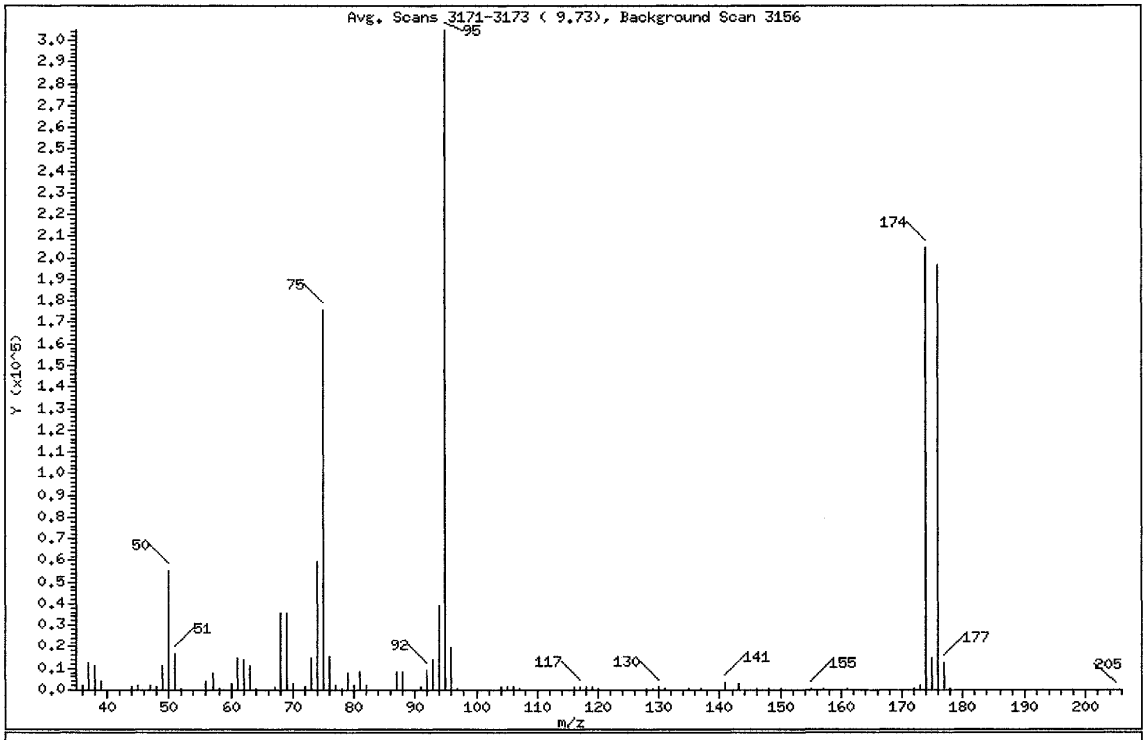
Sample Info: 1000xV6BFB

Operator: RJO

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.04
75	30.00 - 60.00% of mass 95	57.71
96	5.00 - 9.00% of mass 95	6.42
173	Less than 2.00% of mass 174	0.66 (0.98)
174	50.00 - 120.00% of mass 95	67.15
175	5.00 - 9.00% of mass 174	4.73 (7.04)
176	95.00 - 101.00% of mass 174	64.68 (96.32)
177	5.00 - 9.00% of mass 176	4.23 (6.53)

Data File: /var/chem/msv6.i/2060810p.s.b/b6554.d

Date : 10-AUG-2006 17:05

Client ID: V6BFB

Instrument: msv6.i

Sample Info: 1000xV6BFB

Operator: RJO

Column phase: DB-VRX-20M

Column diameter: 0.18

Data File: b6554.d
Spectrum: Avg. Scans 3171-3173 (9.73), Background Scan 3156
Location of Maximum: 95.00
Number of points: 114

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1912	69.00	35424	107.00	405	142.00	249
37.00	12791	70.00	2564	110.00	147	143.00	3141
38.00	11201	71.00	295	111.00	150	144.00	209
39.00	3917	72.00	1694	112.00	142	145.00	311
41.00	9	73.00	14852	113.00	223	146.00	374
42.00	91	74.00	59232	115.00	171	147.00	107
43.00	66	75.00	175936	116.00	1154	148.00	751
44.00	1526	76.00	15146	117.00	1730	149.00	326
45.00	2005	77.00	1818	118.00	1180	150.00	446
46.00	181	78.00	679	119.00	1323	153.00	120
47.00	2151	79.00	7549	120.00	605	154.00	204
48.00	1534	80.00	2197	122.00	51	155.00	628
49.00	11002	81.00	8214	124.00	221	157.00	483
50.00	55024	82.00	1757	125.00	293	159.00	298
51.00	16872	83.00	257	126.00	114	161.00	542
52.00	666	86.00	78	127.00	105	169.00	191
55.00	342	87.00	8675	128.00	924	170.00	95
56.00	3875	88.00	8378	129.00	574	171.00	149
57.00	7953	91.00	1075	130.00	1106	172.00	443
58.00	450	92.00	8863	131.00	415	173.00	2012
60.00	3011	93.00	14091	133.00	131	174.00	204736
61.00	14378	94.00	38992	134.00	121	175.00	14418
62.00	14080	95.00	304896	135.00	565	176.00	197248
63.00	11308	96.00	19584	136.00	70	177.00	12889
64.00	912	97.00	626	137.00	660	178.00	633
65.00	231	103.00	295	138.00	64	187.00	115
66.00	56	104.00	1203	139.00	153	205.00	53
67.00	1164	105.00	1346	140.00	316		
68.00	35552	106.00	1416	141.00	3648		

GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6555.d
Lab Smp Id: 1206 Client Smp ID: V6STD002
Inj Date : 10-AUG-2006 17:59
Operator : JCK Inst ID: msv6.i
Smp Info : 1206*V6STD002*5-51-5
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 17:59 Cal File: b6555.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	1.030	1.030	(0.231)	22849	2.00000	2.51	4498(a)
2 Chloromethane ++	50	1.094	1.094	(0.245)	4689	2.00000	2.30	2796(a)
3 Vinyl Chloride +	62	1.161	1.150	(0.260)	11010	2.00000	2.49	3672(a)
4 Bromomethane	94	1.292	1.289	(0.289)	12924	2.00000	2.83	5708(a)
5 Chloroethane	64	1.339	1.342	(0.300)	6858	2.00000	2.37	4268(a)
7 Acrolein	56	1.562	1.562	(0.350)	3568	10.0000	12.2	4807
6 Trichlorofluoromethane	101	1.565	1.565	(0.351)	21889	2.00000	2.43	7515(a)
8 Acetone	43	1.626	1.624	(0.364)	22585	2.00000	7.34	5956
10 1,1-Dichloroethene +	96	1.805	1.808	(0.404)	9559	2.00000	2.46	7513(a)
11 Methyl Iodide	142	1.813	1.813	(0.406)	3427	2.00000	5.17	3025
12 Acrylonitrile	53	1.849	1.847	(0.414)	10867	10.0000	9.94	6221
13 Methylene Chloride	49	1.886	1.886	(0.423)	39634	2.00000	1.12	8480(a)
14 1,1,2Trichlotrifluoroethane	101	1.919	1.916	(0.430)	11437	2.00000	2.52	7843(a)
15 Methyl Acetate	43	1.913	1.925	(0.429)	5801	2.00000	2.89	4258(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Carbon Disulfide	76	1.980	1.975	(0.444)	35819	2.00000	2.60	7583(a)
	17 trans-1,2-Dichloroethene	61	2.273	2.265	(0.509)	15100	2.00000	2.40	7189(a)
	18 MTBE	73	2.362	2.363	(0.529)	31593	2.00000	2.11	7528(a)
	19 1,1-Dichloroethane ++	63	2.427	2.432	(0.544)	17375	2.00000	2.18	6440(a)
	20 Vinyl Acetate	43	2.586	2.583	(0.579)	6986	2.00000	1.77	(a)
	22 Hexane	57	2.775	2.770	(0.622)	38031	2.00000	2.01	8766(a)
	23 2-Butanone	43	2.772	2.778	(0.621)	31023	2.00000	3.33	(a)
	24 cis-1,2-Dichloroethene	61	2.887	2.887	(0.647)	14215	2.00000	2.21	8843(a)
	25 Bromochloromethane	128	3.018	3.024	(0.676)	3422	2.00000	1.89	5113(a)
	26 Chloroform +	83	3.085	3.079	(0.691)	20268	2.00000	2.17	7087(a)
	27 2,2-Dichloropropane	77	3.138	3.138	(0.703)	19446	2.00000	2.37	8008(a)
$	28 Dibromofluoromethane	111	3.188	3.194	(0.714)	11743	2.00000	2.49	5889(a)
$	31 1,2-Dichloroethane-d4	67	3.620	3.623	(0.811)	9346	2.00000	2.68	8854(a)
	32 1,2-Dichloroethane	62	3.698	3.696	(0.829)	16410	2.00000	2.01	6382(a)
	33 1,1,1-Trichloroethane	97	3.774	3.779	(0.846)	18120	2.00000	2.28	5631(a)
	34 1,1-Dichloropropene	75	3.988	3.991	(0.894)	17194	2.00000	2.44	8436(a)
	35 Cyclohexane	56	4.041	4.039	(0.906)	17754	2.00000	2.60	6626(a)
	38 Carbon Tetrachloride	117	4.133	4.136	(0.926)	11072	2.00000	2.00	6894(a)
	40 Benzene	78	4.200	4.200	(0.941)	44562	2.00000	2.27	8170(a)
*	41 FLUOROBENZENE	96	4.462	4.460	(1.000)	992513	50.0000		9440
	46 Dibromomethane	93	4.791	4.792	(1.074)	6531	2.00000	1.89	6623(a)
	48 1,2-Dichloropropane +	63	4.853	4.853	(1.087)	12651	2.00000	2.28	8063(a)
	50 Bromodichloromethane	83	4.953	4.953	(1.110)	16258	2.00000	1.94	7204(a)
	54 1-Bromo-2-chloroethane	63	5.405	5.408	(1.211)	14484	2.00000	2.01	6637(a)
	55 Methyl cyclohexane	83	5.436	5.444	(1.218)	23769	2.00000	2.43	8145(a)
	56 cis-1,3-Dichloropropene	75	5.742	5.740	(1.287)	17570	2.00000	1.92	(a)
	58 4-methyl-2-pentanone	43	5.968	5.966	(1.337)	9123	2.00000	2.16	(a)
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.761)	14975	2.00000	1.88	(a)
	64 1,1,2-Trichloroethane	97	6.414	6.409	(0.777)	8967	2.00000	2.08	9228(a)
$	68 Toluene-d8	98	6.554	6.551	(0.794)	66695	2.00000	3.52	9138(a)
	69 Toluene +	91	6.624	6.629	(0.803)	56468	2.00000	2.47	8875(a)
	70 1,3-Dichloropropane	76	6.707	6.705	(0.813)	17261	2.00000	2.19	7802(a)
	72 Dibromochloromethane	129	6.941	6.936	(0.841)	9054	2.00000	1.93	6537(a)
	74 2-Hexanone	43	7.039	7.025	(0.853)	6557	2.00000	2.15	5974(a)
	77 1,2-Dibromoethane(EDB)	107	7.212	7.209	(0.874)	8322	2.00000	2.02	6214(a)
	84 1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	9365	2.00000	2.04	8972(a)
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	491938	50.0000		9439
	86 Chlorobenzene ++	112	8.288	8.291	(1.004)	32114	2.00000	2.35	5206(a)
	87 1-Chlorohexane	91	8.361	8.364	(1.874)	17732	2.00000	2.32	8615(a)
	88 Ethylbenzene +	106	8.615	8.615	(1.044)	18841	2.00000	2.42	8603(a)
	92 Bromoform ++	173	8.838	8.838	(1.071)	4810	2.00000	1.81	6205(a)
	93 p,m-Xylene	106	8.891	8.894	(1.077)	45312	4.00000	4.88	9304(aH)
M	79 Total 1,2-Dichloroethene	61				29315	4.00000	4.61	0(a)
M	80 1-3 Dichloropropene-Total	100				32545	4.00000	3.72	0(a)
	95 Styrene	104	9.262	9.265	(1.122)	34159	2.00000	2.25	7458(a)
	96 1,1,2,2-Tetrachloroethane++	83	9.323	9.323	(0.859)	10011	2.00000	2.02	8596(a)
	97 o-Xylene	106	9.337	9.337	(1.131)	22555	2.00000	2.39	(a)

000440

166901

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
100 1,2,3-Trichloropropane	75	9.476	9.476	(0.873)	10203	2.00000	2.10	6521(a)
104 trans-1,4-Dichloro-2-Butene	53	9.577	9.582	(0.882)	1661	2.00000	5.24	7712
$ 102 Bromofluorobenzene	174	9.730	9.730	(1.179)	20536	2.00000	3.74	9282(a)
103 Isopropylbenzene	105	9.741	9.744	(1.180)	57950	2.00000	2.62	9417(a)
105 Bromobenzene	77	9.872	9.875	(0.909)	25169	2.00000	2.25	9245(a)
111 n-Propylbenzene	91	10.162	10.162	(0.936)	73509	2.00000	2.37	8224(aM)
107 2-Chlorotoluene	91	10.185	10.188	(0.938)	49623	2.00000	2.48	8287(aM)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	47530	2.00000	2.39	9484(a)
110 1,3,5-Trimethylbenzene	105	10.458	10.461	(0.963)	51323	2.00000	2.38	(a)
112 tert-butylbenzene	91	10.645	10.645	(0.980)	32111	2.00000	2.28	9304(a)
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.990)	53135	2.00000	2.44	(a)
114 sec-Butylbenzene	105	10.820	10.821	(0.996)	65440	2.00000	2.39	(a)
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	23848	2.00000	2.46	(a)
* 116 1,4-DICHLOROBENZENE-D4	152	10.859	10.860	(1.000)	347447	50.0000		9648
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	24758	2.00000	2.38	(a)
118 p-Isopropyltoluene	119	10.993	10.991	(1.012)	53520	2.00000	2.41	9344(a)
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	21995	2.00000	2.27	(a)
120 n-Butylbenzene	91	11.289	11.286	(1.040)	57988	2.00000	2.49	9683(a)
124 1,2-Dibromo-3-Chloropropane	157	11.473	11.470	(1.056)	1686	2.00000	1.82	6271(a)
122 1,2,4-Trichlorobenzene	180	12.388	12.385	(1.141)	15957	2.00000	2.36	(a)
123 Napthalene	128	12.533	12.533	(1.154)	31038	2.00000	2.13	9372(a)
125 Hexachlorobutadiene	225	12.602	12.603	(1.160)	11679	2.00000	2.39	9209(a)
126 1,2,3-Trichlorobenzene	180	12.658	12.656	(1.166)	14020	2.00000	2.28	(a)
M 127 TOTAL XYLENE	106				67867	6.00000	7.27	0

QC Flag Legend

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

166902

Data File: /var/chem/msv6.i/2060810p.s.b/b6555.d

Date : 10-AUG-2006 17:59

Client ID: V6STD002

Instrument: msv6.i

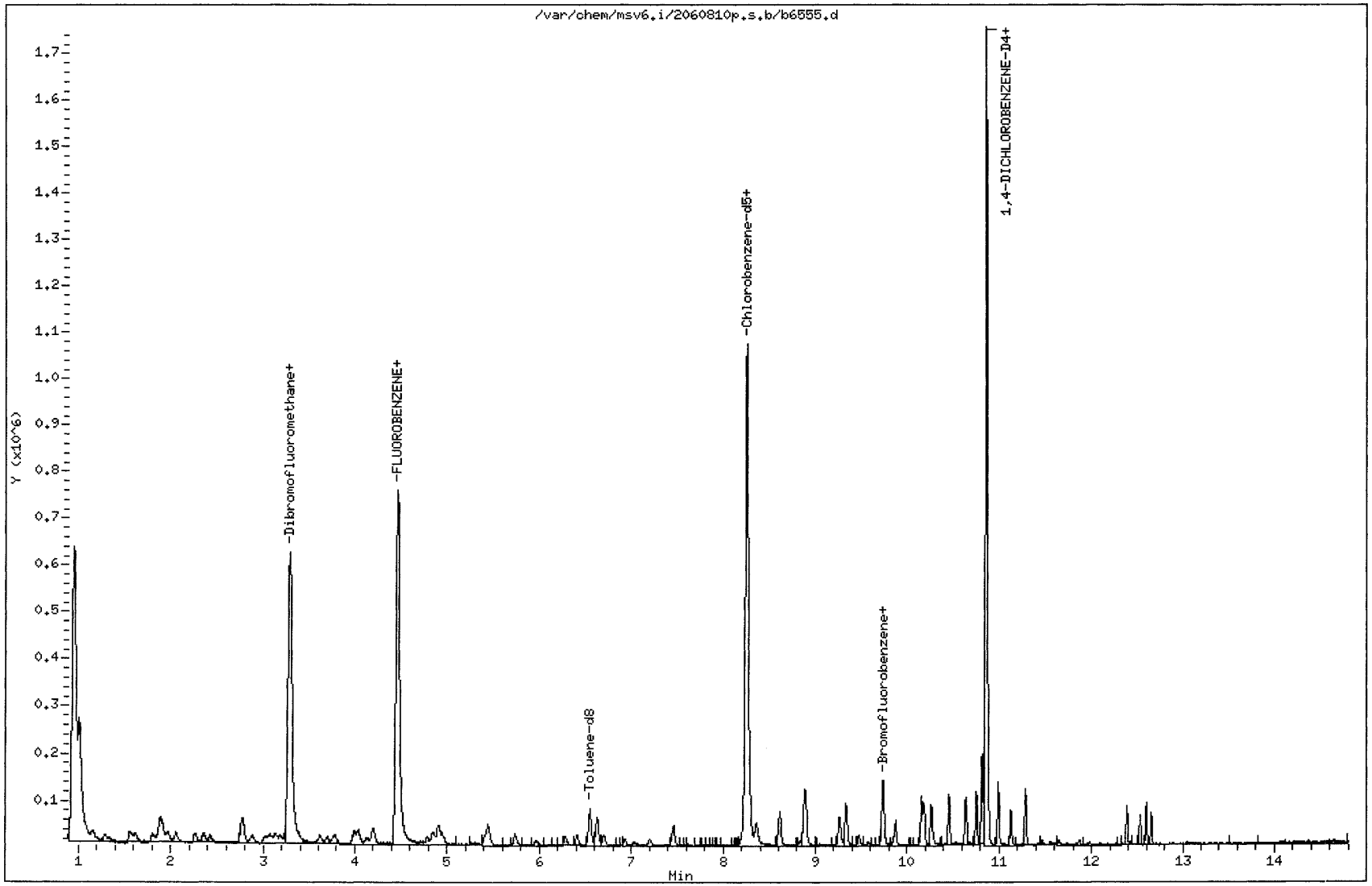
Sample Info: 1206*V6STD002*5-51-5

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

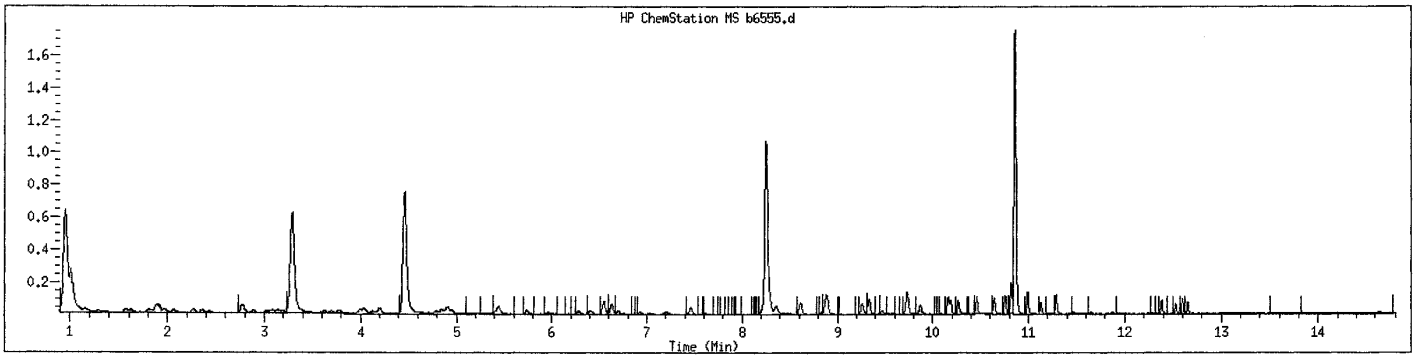
000442



166903

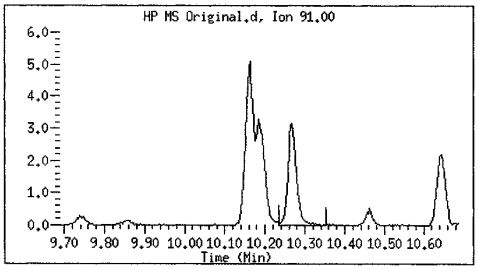
MANUAL INTEGRATION GRAPHIC REPORT

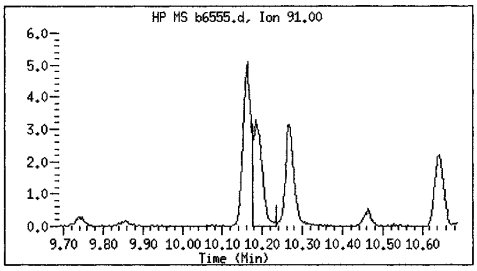
Lab ID : 1206 SampleType : CALIB_6
Injection Date: 10-AUG-2006 17:59 Instrument : msv6.i
Operator : JCK
Sample Info : 1206*V6STD002*5-51-5
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



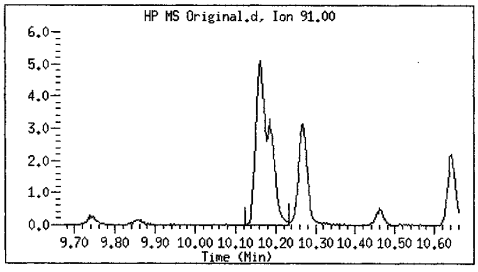
Original Final

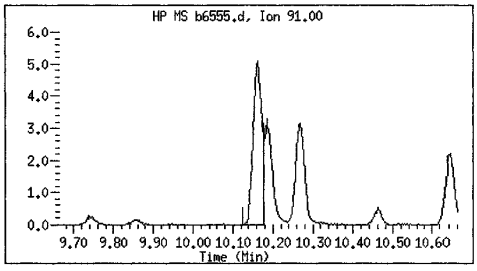
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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166904

GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6556.d
Lab Smp Id: 1201 Client Smp ID: V6STD005
Inj Date : 10-AUG-2006 18:19
Operator : JCK Inst ID: msv6.i
Smp Info : 1201*V6STD005*5-51-5
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 18:19 Cal File: b6556.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.032	1.030	(0.231)	49454	5.00000	5.44	6165
2 Chloromethane ++	50	1.091	1.094	(0.245)	9280	5.00000	4.57	3352(a)
3 Vinyl Chloride +	62	1.155	1.150	(0.259)	24430	5.00000	5.54	5860
4 Bromomethane	94	1.297	1.289	(0.291)	24140	5.00000	5.30	7069
5 Chloroethane	64	1.350	1.342	(0.303)	13405	5.00000	4.64	5674(a)
7 Acrolein	56	1.562	1.562	(0.350)	6970	25.0000	24.0	4797
6 Trichlorofluoromethane	101	1.568	1.565	(0.352)	47385	5.00000	5.27	8339
8 Acetone	43	1.623	1.624	(0.364)	20475	5.00000	6.24	7111
10 1,1-Dichloroethene +	96	1.802	1.808	(0.404)	20790	5.00000	5.37	7308
11 Methyl Iodide	142	1.813	1.813	(0.407)	9191	5.00000	7.25	3532
12 Acrylonitrile	53	1.847	1.847	(0.414)	28775	25.0000	26.4	7284
13 Methylene Chloride	49	1.883	1.886	(0.422)	49891	5.00000	3.48	8539(a)
14 1,1,2Trichlotrifluoroethane	101	1.919	1.916	(0.430)	24734	5.00000	5.47	8185
15 Methyl Acetate	43	1.925	1.925	(0.432)	10794	5.00000	5.40	6052

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166905

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Carbon Disulfide	76	1.975	1.975	(0.443)	69447	5.00000	5.06	8867
	17 trans-1,2-Dichloroethene	61	2.270	2.265	(0.509)	33389	5.00000	5.31	8448
	18 MTBE	73	2.368	2.363	(0.531)	74581	5.00000	5.00	8185
	19 1,1-Dichloroethane ++	63	2.432	2.432	(0.545)	39718	5.00000	5.01	7958
	20 Vinyl Acetate	43	2.591	2.583	(0.581)	18633	5.00000	4.73	(a)
	22 Hexane	57	2.775	2.770	(0.622)	48562	5.00000	4.04	8800(a)
	23 2-Butanone	43	2.778	2.778	(0.623)	42575	5.00000	5.61	
	24 cis-1,2-Dichloroethene	61	2.884	2.887	(0.647)	33888	5.00000	5.29	8645
	25 Bromochloromethane	128	3.018	3.024	(0.677)	10070	5.00000	5.58	7407
	26 Chloroform +	83	3.079	3.079	(0.690)	46707	5.00000	5.01	8545
	27 2,2-Dichloropropane	77	3.140	3.138	(0.704)	41255	5.00000	5.05	8575
$	28 Dibromofluoromethane	111	3.193	3.194	(0.716)	24647	5.00000	5.23	6386
$	31 1,2-Dichloroethane-d4	67	3.617	3.623	(0.811)	18436	5.00000	5.30	9163
	32 1,2-Dichloroethane	62	3.698	3.696	(0.829)	44153	5.00000	5.43	8245
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	40842	5.00000	5.14	5414
	34 1,1-Dichloropropene	75	3.991	3.991	(0.895)	36386	5.00000	5.17	8501
	35 Cyclohexane	56	4.030	4.039	(0.904)	33049	5.00000	4.86	6857(a)
	38 Carbon Tetrachloride	117	4.139	4.136	(0.928)	26725	5.00000	4.83	8010(a)
	40 Benzene	78	4.203	4.200	(0.942)	102326	5.00000	5.23	8178
*	41 FLUOROBENZENE	96	4.460	4.460	(1.000)	989667	50.0000		9504
	46 Dibromomethane	93	4.789	4.792	(1.074)	18018	5.00000	5.24	8246
	48 1,2-Dichloropropane +	63	4.844	4.853	(1.086)	28759	5.00000	5.19	8745
	49 Trichloroethene	130	4.906	4.911	(1.100)	31175	5.00000	3.68	9486(a)
	50 Bromodichloromethane	83	4.950	4.953	(1.110)	40864	5.00000	4.90	8706(a)
	54 1-Bromo-2-chloroethane	63	5.405	5.408	(1.212)	34920	5.00000	4.85	8310(a)
	55 Methyl cyclohexane	83	5.447	5.444	(1.221)	49991	5.00000	5.12	8670
	56 cis-1,3-Dichloropropene	75	5.745	5.740	(1.288)	42599	5.00000	4.68	(a)
	58 4-methyl-2-pentanone	43	5.974	5.966	(1.340)	21113	5.00000	5.01	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.762)	37186	5.00000	4.62	(a)
	64 1,1,2-Trichloroethane	97	6.412	6.409	(0.777)	22692	5.00000	5.21	9434
$	68 Toluene-d8	98	6.551	6.551	(0.794)	107813	5.00000	5.63	9315
	69 Toluene +	91	6.629	6.629	(0.804)	122717	5.00000	5.31	8974
	70 1,3-Dichloropropane	76	6.704	6.705	(0.813)	39904	5.00000	5.00	8743
	72 Dibromochloromethane	129	6.933	6.936	(0.840)	21980	5.00000	4.63	8344(a)
	74 2-Hexanone	43	7.031	7.025	(0.852)	13469	5.00000	4.36	7456(a)
	77 1,2-Dibromoethane(EDB)	107	7.206	7.209	(0.874)	20883	5.00000	5.01	8247
	81 Tetrachloroethene	164	7.466	7.463	(0.905)	21505	5.00000	2.77	9659(a)
	84 1,1,1,2-Tetrachloroethane	133	8.205	8.213	(0.995)	23644	5.00000	5.08	9399
*	85 Chlorobenzene-d5	82	8.249	8.255	(1.000)	498049	50.0000		9386
	86 Chlorobenzene ++	112	8.288	8.291	(1.005)	70913	5.00000	5.12	7212
	87 1-Chlorohexane	91	8.364	8.364	(1.875)	37770	5.00000	4.95	8866(a)
	88 Ethylbenzene +	106	8.612	8.615	(1.044)	40795	5.00000	5.18	8935
	92 Bromoform ++	173	8.835	8.838	(1.071)	11980	5.00000	4.46	8167(a)
	93 p,m-Xylene	106	8.888	8.894	(1.077)	99570	10.0000	10.6	9462
M	79 Total 1,2-Dichloroethene	61				67277	10.0000	10.6	0
M	80 1-3 Dichloropropene-Total	100				79785	10.0000	9.16	0
	95 Styrene	104	9.264	9.265	(1.123)	77393	5.00000	5.04	7565

166906

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
96	1,1,2,2-Tetrachloroethane++	83	9.317	9.323	(0.858)	26065	5.00000	5.14	9411
97	o-Xylene	106	9.334	9.337	(1.131)	49409	5.00000	5.16	
100	1,2,3-Trichloropropane	75	9.473	9.476	(0.872)	23853	5.00000	4.81	7001 (a)
104	trans-1,4-Dichloro-2-Butene	53	9.574	9.582	(0.882)	3733	5.00000	6.99	8637
$ 102	Bromofluorobenzene	174	9.733	9.730	(1.180)	31985	5.00000	5.76	9170
103	Isopropylbenzene	105	9.738	9.744	(1.181)	121632	5.00000	5.43	9541
105	Bromobenzene	77	9.872	9.875	(0.909)	57110	5.00000	5.00	9450
111	n-Propylbenzene	91	10.162	10.162	(0.936)	161014	5.00000	5.08	8171 (M)
107	2-Chlorotoluene	91	10.182	10.188	(0.938)	104460	5.00000	5.11	5952 (MH)
108	4-Chlorotoluene	91	10.268	10.268	(0.946)	102359	5.00000	5.04	9565
110	1,3,5-Trimethylbenzene	105	10.458	10.461	(0.963)	111598	5.00000	5.07	
112	tert-butylbenzene	91	10.645	10.645	(0.980)	73090	5.00000	5.09	9232
113	1,2,4-Trimethylbenzene	105	10.759	10.759	(0.991)	113430	5.00000	5.10	
114	sec-Butylbenzene	105	10.820	10.821	(0.996)	141419	5.00000	5.07	
115	1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	50762	5.00000	5.13	
* 116	1,4-DICHLOROBENZENE-D4	152	10.859	10.860	(1.000)	354708	50.0000		9587
117	1,4-Dichlorobenzene	146	10.879	10.879	(1.002)	54264	5.00000	5.11	
118	p-Isopropyltoluene	119	10.991	10.991	(1.012)	118008	5.00000	5.21	9343
119	1,2-Dichlorobenzene	146	11.133	11.130	(1.025)	48447	5.00000	4.91	(a)
120	n-Butylbenzene	91	11.286	11.286	(1.039)	118657	5.00000	4.98	9593 (a)
124	1,2-Dibromo-3-Chloropropane	157	11.467	11.470	(1.056)	4204	5.00000	4.46	7651 (a)
122	1,2,4-Trichlorobenzene	180	12.388	12.385	(1.141)	33854	5.00000	4.90	(a)
123	Napthalene	128	12.533	12.533	(1.154)	69825	5.00000	4.70	9424 (a)
125	Hexachlorobutadiene	225	12.602	12.603	(1.160)	26779	5.00000	5.37	9427
126	1,2,3-Trichlorobenzene	180	12.655	12.656	(1.165)	30770	5.00000	4.90	(a)
M 127	TOTAL XYLENE	106				148979	15.0000	15.8	0

QC Flag Legend

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

Data File: /var/chem/msv6.i/2060810p.s.b/b6556.d

Date : 10-AUG-2006 18:19

Client ID: V6STD005

Sample Info: 1201*V6STD005*5-51-5

Column phase: DB-624-30M

Instrument: msv6.i

Operator: JCK

Column diameter: 0.53

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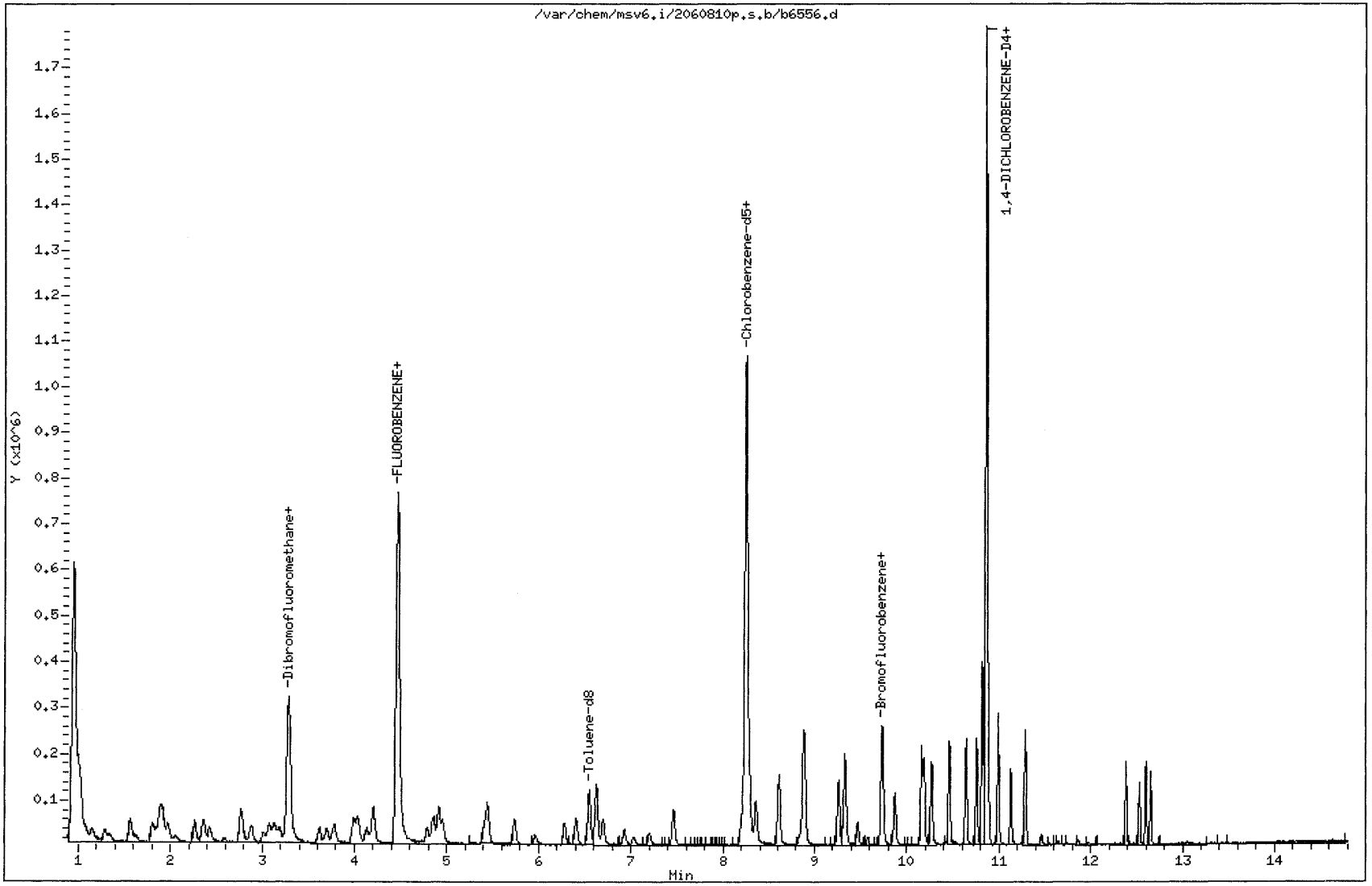
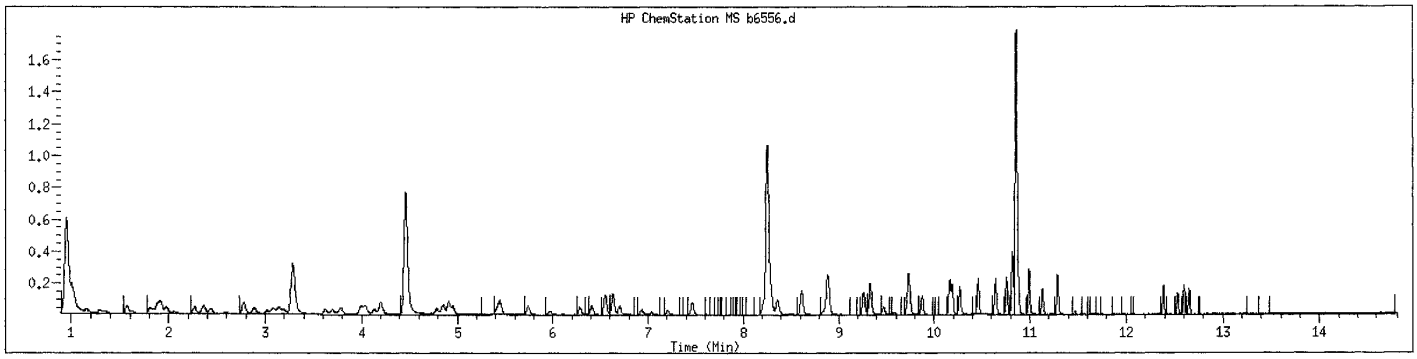


Report Date: 08/10/2006 21:49

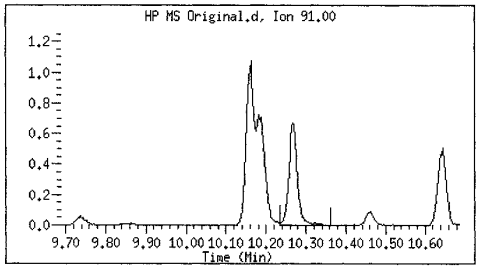
MANUAL INTEGRATION GRAPHIC REPORT

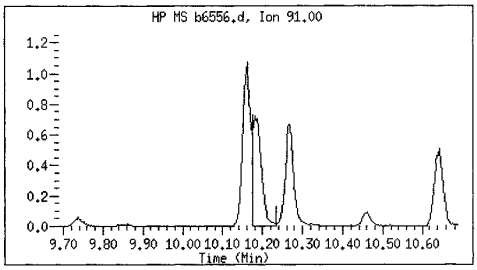
Lab ID : 1201 SampleType : CALIB_1
Injection Date: 10-AUG-2006 18:19 Instrument : msv6.i
Operator : JCK
Sample Info : 1201*V6STD005*5-51-5
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



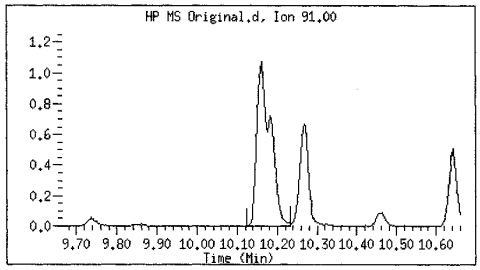
Original Final

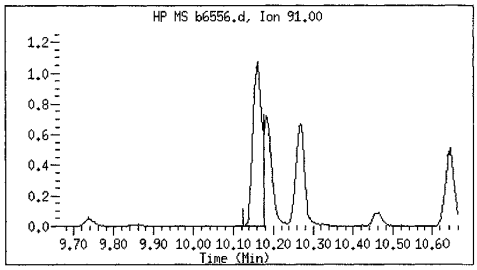
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6557.d
Lab Smp Id: 1207 Client Smp ID: V6STD010
Inj Date : 10-AUG-2006 18:40
Operator : JCK Inst ID: msv6.i
Smp Info : 1207*V6STD010*5-51-5
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 18:40 Cal File: b6557.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)	AMOUNTS ON-COL (ppb)	SIMILARITY
1	Dichlorodifluoromethane	85	1.030	1.030	(0.231)	89541	10.0000	10.4	7715
2	Chloromethane ++	50	1.091	1.094	(0.245)	17998	10.0000	9.37	4507(M)
3	Vinyl Chloride +	62	1.155	1.150	(0.259)	44937	10.0000	10.8	6965
4	Bromomethane	94	1.292	1.289	(0.290)	43785	10.0000	10.2	8252
5	Chloroethane	64	1.339	1.342	(0.300)	30406	10.0000	11.1	6545
7	Acrolein	56	1.565	1.562	(0.351)	13163	50.0000	47.8	4834(H)
6	Trichlorofluoromethane	101	1.565	1.565	(0.351)	89801	10.0000	10.6	9112
8	Acetone	43	1.621	1.624	(0.363)	27310	10.0000	10.8	7978
10	1,1-Dichloroethene +	96	1.802	1.808	(0.404)	37878	10.0000	10.3	7434
11	Methyl Iodide	142	1.813	1.813	(0.407)	17437	10.0000	10.6	3805
12	Acrylonitrile	53	1.849	1.847	(0.415)	55117	50.0000	53.5	7771
13	Methylene Chloride	49	1.880	1.886	(0.422)	76439	10.0000	10.5	8663
14	1,1,2Trichlotrifluoroethane	101	1.914	1.916	(0.429)	43352	10.0000	10.1	8296
15	Methyl Acetate	43	1.933	1.925	(0.433)	20269	10.0000	10.7	6805

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	16	Carbon Disulfide	76	1.975	1.975	(0.443)	126021	10.0000	9.71	8601
	17	trans-1,2-Dichloroethene	61	2.271	2.265	(0.509)	61010	10.0000	10.3	9028
	18	MTBE	73	2.360	2.363	(0.529)	146969	10.0000	10.4	8506
	19	1,1-Dichloroethane ++	63	2.432	2.432	(0.545)	76791	10.0000	10.2	8948
	20	Vinyl Acetate	43	2.594	2.583	(0.582)	38897	10.0000	10.4	
	22	Hexane	57	2.772	2.770	(0.622)	76506	10.0000	10.2	9084
	23	2-Butanone	43	2.770	2.778	(0.621)	61548	10.0000	10.0	
	24	cis-1,2-Dichloroethene	61	2.881	2.887	(0.646)	60539	10.0000	9.99	8573
	25	Bromochloromethane	128	3.015	3.024	(0.676)	18074	10.0000	10.6	8454
	26	Chloroform +	83	3.085	3.079	(0.692)	85579	10.0000	9.69	9160
	27	2,2-Dichloropropane	77	3.141	3.138	(0.704)	78648	10.0000	10.2	8914
$	28	Dibromofluoromethane	111	3.188	3.194	(0.715)	46953	10.0000	10.5	6584
$	31	1,2-Dichloroethane-d4	67	3.620	3.623	(0.812)	31401	10.0000	9.54	9216
	32	1,2-Dichloroethane	62	3.698	3.696	(0.829)	72465	10.0000	9.42	8896
	33	1,1,1-Trichloroethane	97	3.782	3.779	(0.848)	73689	10.0000	9.81	5308(H)
	34	1,1-Dichloropropene	75	3.994	3.991	(0.896)	68436	10.0000	10.3	8532
	35	Cyclohexane	56	4.041	4.039	(0.906)	65483	10.0000	10.2	6904
	38	Carbon Tetrachloride	117	4.142	4.136	(0.929)	51276	10.0000	9.80	8910
	40	Benzene	78	4.203	4.200	(0.942)	189769	10.0000	10.3	8230
*	41	FLUOROBENZENE	96	4.460	4.460	(1.000)	936272	50.0000		9441
	46	Dibromomethane	93	4.789	4.792	(1.074)	33692	10.0000	10.3	8949
	48	1,2-Dichloropropane +	63	4.850	4.853	(1.088)	54011	10.0000	10.3	8993
	49	Trichloroethene	130	4.903	4.911	(1.099)	59072	10.0000	10.1	9547
	50	Bromodichloromethane	83	4.950	4.953	(1.110)	80270	10.0000	10.2	9142
	54	1-Bromo-2-chloroethane	63	5.405	5.408	(1.212)	73464	10.0000	10.8	9135
	55	Methyl cyclohexane	83	5.441	5.444	(1.220)	95014	10.0000	10.3	8918
	56	cis-1,3-Dichloropropene	75	5.740	5.740	(1.287)	86256	10.0000	10.0	
	58	4-methyl-2-pentanone	43	5.963	5.966	(1.337)	40038	10.0000	10.0	
	99	trans-1,3-Dichloropropene	75	6.281	6.283	(0.761)	78140	10.0000	10.2	
	64	1,1,2-Trichloroethane	97	6.406	6.409	(0.776)	45090	10.0000	10.8	9379
$	68	Toluene-d8	98	6.551	6.551	(0.794)	204926	10.0000	11.2	9422
	69	Toluene +	91	6.626	6.629	(0.803)	238706	10.0000	10.8	9053
	70	1,3-Dichloropropane	76	6.704	6.705	(0.812)	79630	10.0000	10.4	9063
	72	Dibromochloromethane	129	6.933	6.936	(0.840)	44459	10.0000	9.81	9215
	74	2-Hexanone	43	7.034	7.025	(0.852)	30172	10.0000	10.2	8544
	77	1,2-Dibromoethane(EDB)	107	7.206	7.209	(0.873)	41949	10.0000	10.6	9100
	81	Tetrachloroethene	164	7.460	7.463	(0.904)	40748	10.0000	9.49	9720
	84	1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	45658	10.0000	10.3	9516
*	85	Chlorobenzene-d5	82	8.252	8.255	(1.000)	475409	50.0000		9417
	86	Chlorobenzene ++	112	8.288	8.291	(1.004)	139163	10.0000	10.5	8678
	87	1-Chlorohexane	91	8.361	8.364	(1.875)	74183	10.0000	10.3	9232
	88	Ethylbenzene +	106	8.612	8.615	(1.044)	78705	10.0000	10.5	8871
	92	Bromoform ++	173	8.838	8.838	(1.071)	24937	10.0000	9.73	8848
	93	p,m-Xylene	106	8.882	8.894	(1.076)	191636	20.0000	21.4	9560
M	79	Total 1,2-Dichloroethene	61				121549	20.0000	20.3	0
M	80	1-3 Dichloropropene-Total	100				164396	20.0000	19.9	0
	95	Styrene	104	9.259	9.265	(1.122)	155760	10.0000	10.6	7637

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
96	1,1,2,2-Tetrachloroethane++	83	9.320	9.323	(0.858)	51664	10.0000	10.7	9162
97	o-Xylene	106	9.334	9.337	(1.131)	99449	10.0000	10.9	
100	1,2,3-Trichloropropane	75	9.471	9.476	(0.872)	49883	10.0000	10.6	7217
104	trans-1,4-Dichloro-2-Butene	53	9.580	9.582	(0.882)	8031	10.0000	11.0	9140
$ 102	Bromofluorobenzene	174	9.727	9.730	(1.179)	59449	10.0000	11.2	9379
103	Isopropylbenzene	105	9.738	9.744	(1.180)	242592	10.0000	11.3	9544
105	Bromobenzene	77	9.872	9.875	(0.909)	113306	10.0000	10.5	9520
111	n-Propylbenzene	91	10.160	10.162	(0.936)	318225	10.0000	10.6	8134(M)
107	2-Chlorotoluene	91	10.185	10.188	(0.938)	197577	10.0000	10.2	5944(MH)
108	4-Chlorotoluene	91	10.266	10.268	(0.946)	198857	10.0000	10.3	9513
110	1,3,5-Trimethylbenzene	105	10.461	10.461	(0.964)	219302	10.0000	10.5	
112	tert-butylbenzene	91	10.642	10.645	(0.980)	142599	10.0000	10.5	9285
113	1,2,4-Trimethylbenzene	105	10.756	10.759	(0.991)	218839	10.0000	10.4	
114	sec-Butylbenzene	105	10.820	10.821	(0.997)	273415	10.0000	10.3	
115	1,3-Dichlorobenzene	146	10.815	10.821	(0.996)	98720	10.0000	10.5	
* 116	1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	336783	50.0000		9650
117	1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	103079	10.0000	10.2	
118	p-Isopropyltoluene	119	10.988	10.991	(1.012)	225979	10.0000	10.5	9475
119	1,2-Dichlorobenzene	146	11.127	11.130	(1.025)	96250	10.0000	10.3	
120	n-Butylbenzene	91	11.286	11.286	(1.040)	228793	10.0000	10.1	9608
124	1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	8528	10.0000	9.52	8746
122	1,2,4-Trichlorobenzene	180	12.385	12.385	(1.141)	65729	10.0000	10.0	
123	Napthalene	128	12.533	12.533	(1.154)	145121	10.0000	10.3	9420
125	Hexachlorobutadiene	225	12.600	12.603	(1.161)	49945	10.0000	10.6	9413
126	1,2,3-Trichlorobenzene	180	12.655	12.656	(1.166)	60229	10.0000	10.1	
M 127	TOTAL XYLENE	106				291085	30.0000	32.2	0

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

166912

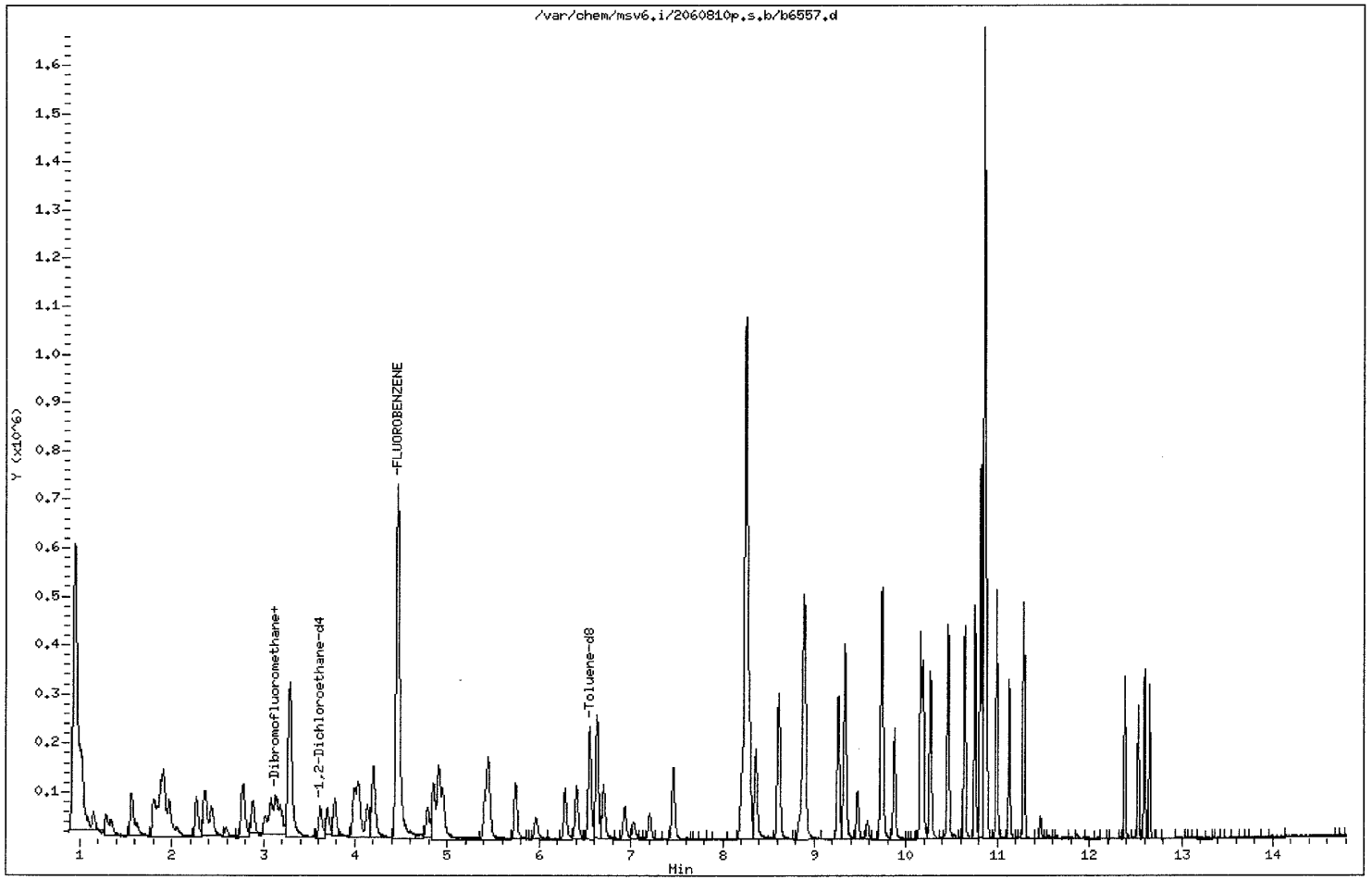
000452

Data File: /var/chem/msv6.i/2060810p.s.b/b6557.d
Date : 10-AUG-2006 18:40
Client ID: V6STD010
Sample Info: 1207*V6STD010*5-51-5

Instrument: msv6.i

Operator: JCK
Column diameter: 0.53

Column phase: DB-624-30M

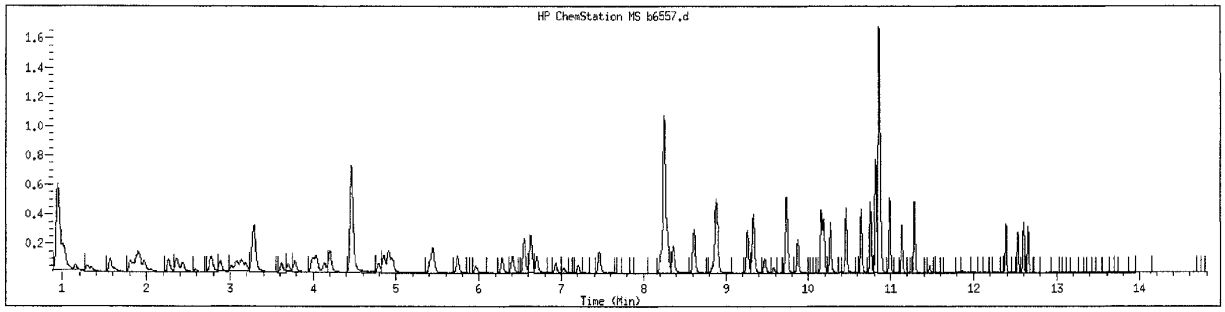


166913

Data file : /var/chem/msv6.i/2060810p.s.b/b6557.d Page: 1
Report Date: 08/10/2006 21:49

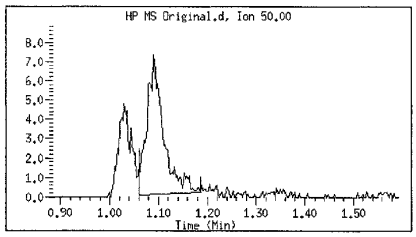
MANUAL INTEGRATION GRAPHIC REPORT

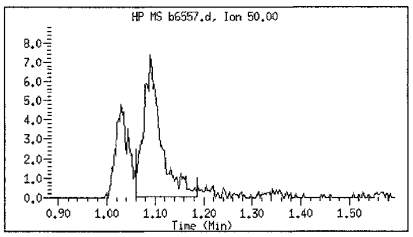
Lab ID : 1207 SampleType : CALIB_7
Injection Date: 10-AUG-2006 18:40 Instrument : msv6.i
Operator : JCK
Sample Info : 1207*V6STD010*5-51-5
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



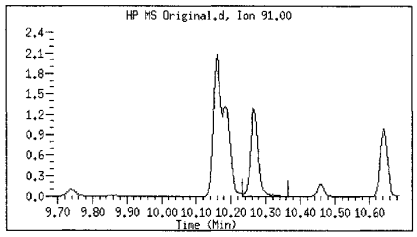
Original Final

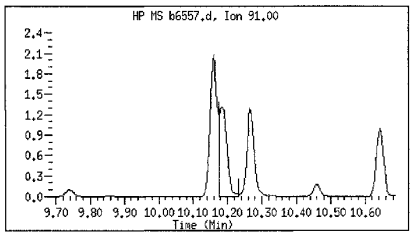
2 Chloromethane ++ CAS#: 74-87-3





107 2-Chlorotoluene CAS#: 95-49-8



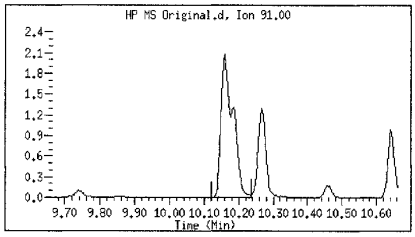


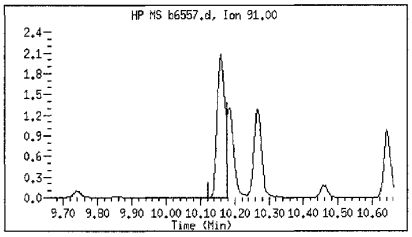
000453

166914

Original Final

111 n-Propylbenzene CAS#: 103-65-1





GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6558.d
Lab Smp Id: 1202 Client Smp ID: V6STD020
Inj Date : 10-AUG-2006 19:01
Operator : JCK Inst ID: msv6.i
Smp Info : 1202*V6STD020*5-51-5
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 19:01 Cal File: b6558.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.030	1.030	(0.231)	178173	20.0000	19.6	9403
2 Chloromethane ++	50	1.094	1.094	(0.245)	38819	20.0000	19.1	5817
3 Vinyl Chloride +	62	1.152	1.150	(0.258)	92081	20.0000	20.9	8054
4 Bromomethane	94	1.292	1.289	(0.290)	98547	20.0000	21.6	9127
5 Chloroethane	64	1.342	1.342	(0.301)	57825	20.0000	20.0	7329
7 Acrolein	56	1.565	1.562	(0.351)	27995	100.000	96.3	4785
6 Trichlorofluoromethane	101	1.562	1.565	(0.350)	181279	20.0000	20.2	9613
8 Acetone	43	1.623	1.624	(0.364)	41614	20.0000	17.7	8556
10 1,1-Dichloroethene +	96	1.808	1.808	(0.405)	78182	20.0000	20.2	7496
11 Methyl Iodide	142	1.816	1.813	(0.407)	41172	20.0000	18.6	3957
12 Acrylonitrile	53	1.844	1.847	(0.413)	107099	100.000	98.3	7958
13 Methylene Chloride	49	1.886	1.886	(0.423)	120179	20.0000	19.5	8819
14 1,1,2Trichlotrifluoroethane	101	1.916	1.916	(0.430)	89301	20.0000	19.8	8272
15 Methyl Acetate	43	1.927	1.925	(0.432)	43434	20.0000	21.7	8639

166916

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Carbon Disulfide	76	1.978	1.975	(0.443)	266602	20.0000	19.5	8630
	17 trans-1,2-Dichloroethene	61	2.268	2.265	(0.508)	125746	20.0000	20.0	9205
	18 MTBE	73	2.360	2.363	(0.529)	297794	20.0000	20.0	8542
	19 1,1-Dichloroethane ++	63	2.435	2.432	(0.546)	163874	20.0000	20.7	9331
	20 Vinyl Acetate	43	2.588	2.583	(0.580)	79982	20.0000	20.3	
	22 Hexane	57	2.772	2.770	(0.622)	134940	20.0000	20.5	9065
	23 2-Butanone	43	2.778	2.778	(0.623)	122725	20.0000	21.4	
	24 cis-1,2-Dichloroethene	61	2.884	2.887	(0.647)	126401	20.0000	19.8	8747
	25 Bromochloromethane	128	3.018	3.024	(0.677)	37197	20.0000	20.6	8927
	26 Chloroform +	83	3.079	3.079	(0.690)	192188	20.0000	20.6	9433
	27 2,2-Dichloropropane	77	3.140	3.138	(0.704)	159119	20.0000	19.5	9031
$	28 Dibromofluoromethane	111	3.188	3.194	(0.715)	94032	20.0000	20.0	6538
$	31 1,2-Dichloroethane-d4	67	3.623	3.623	(0.812)	72645	20.0000	20.9	9541
	32 1,2-Dichloroethane	62	3.701	3.696	(0.830)	167715	20.0000	20.6	9228
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	163459	20.0000	20.6	5258
	34 1,1-Dichloropropene	75	3.985	3.991	(0.894)	141538	20.0000	20.1	8643
	35 Cyclohexane	56	4.030	4.039	(0.904)	134575	20.0000	19.8	6908
	38 Carbon Tetrachloride	117	4.133	4.136	(0.927)	112427	20.0000	20.3	9224
	40 Benzene	78	4.200	4.200	(0.942)	395985	20.0000	20.3	8374
*	41 FLUOROBENZENE	96	4.460	4.460	(1.000)	989011	50.0000		9416
	46 Dibromomethane	93	4.786	4.792	(1.073)	70829	20.0000	20.6	9110
	48 1,2-Dichloropropane +	63	4.850	4.853	(1.088)	108256	20.0000	19.6	9258
	49 Trichloroethene	130	4.906	4.911	(1.100)	114809	20.0000	20.9	9602
	50 Bromodichloromethane	83	4.948	4.953	(1.109)	163154	20.0000	19.6	9216
	54 1-Bromo-2-chloroethane	63	5.405	5.408	(1.212)	148392	20.0000	20.6	9550
	55 Methyl cyclohexane	83	5.444	5.444	(1.221)	192730	20.0000	19.7	9050
	56 cis-1,3-Dichloropropene	75	5.742	5.740	(1.288)	178907	20.0000	19.7	
	58 4-methyl-2-pentanone	43	5.963	5.966	(1.337)	79683	20.0000	18.9	
	99 trans-1,3-Dichloropropene	75	6.280	6.283	(0.761)	166955	20.0000	20.7	
	64 1,1,2-Trichloroethane	97	6.409	6.409	(0.777)	90461	20.0000	20.7	9536
$	68 Toluene-d8	98	6.548	6.551	(0.794)	413972	20.0000	21.6	9495
	69 Toluene +	91	6.632	6.629	(0.804)	479642	20.0000	20.7	9043
	70 1,3-Dichloropropane	76	6.702	6.705	(0.812)	166710	20.0000	20.9	9266
	72 Dibromochloromethane	129	6.933	6.936	(0.840)	96115	20.0000	20.2	9304
	74 2-Hexanone	43	7.028	7.025	(0.852)	63696	20.0000	20.6	9035
	77 1,2-Dibromoethane(EDB)	107	7.206	7.209	(0.873)	85737	20.0000	20.6	9481
	81 Tetrachloroethene	164	7.460	7.463	(0.904)	79263	20.0000	21.1	9555
	84 1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	95033	20.0000	20.4	9604
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	498467	50.0000		9426
	86 Chlorobenzene ++	112	8.291	8.291	(1.005)	289814	20.0000	20.9	9401
	87 1-Chlorohexane	91	8.364	8.364	(1.875)	154715	20.0000	20.3	9179
	88 Ethylbenzene +	106	8.615	8.615	(1.044)	161951	20.0000	20.6	8845
	92 Bromoform ++	173	8.838	8.838	(1.071)	52578	20.0000	19.6	9292
	93 p,m-Xylene	106	8.885	8.894	(1.077)	398416	40.0000	42.3	9500
M	79 Total 1,2-Dichloroethene	61				252147	40.0000	39.8	0
M	80 1-3 Dichloropropene-Total	100				345862	40.0000	39.7	0
	95 Styrene	104	9.262	9.265	(1.122)	340121	20.0000	22.1	7620

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
96 1,1,2,2-Tetrachloroethane++	83	9.320	9.323	(0.858)	101926	20.0000	20.9	9154
97 o-Xylene	106	9.334	9.337	(1.131)	199580	20.0000	20.8	
100 1,2,3-Trichloropropane	75	9.471	9.476	(0.872)	97483	20.0000	20.4	7055
104 trans-1,4-Dichloro-2-Butene	53	9.582	9.582	(0.883)	17615	20.0000	19.5	9386
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	117040	20.0000	21.0	9351
103 Isopropylbenzene	105	9.741	9.744	(1.180)	489590	20.0000	21.8	9443
105 Bromobenzene	77	9.875	9.875	(0.910)	228390	20.0000	20.8	9590
111 n-Propylbenzene	91	10.159	10.162	(0.936)	647118	20.0000	21.2	8180(M)
107 2-Chlorotoluene	91	10.187	10.188	(0.938)	396393	20.0000	20.1	5902(MH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	407813	20.0000	20.8	9443
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.964)	446822	20.0000	21.0	
112 tert-butylbenzene	91	10.642	10.645	(0.980)	292419	20.0000	21.1	9367
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.991)	451933	20.0000	21.1	
114 sec-Butylbenzene	105	10.820	10.821	(0.997)	547116	20.0000	20.3	
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	199554	20.0000	20.9	
* 116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	341943	50.0000		9585
117 1,4-Dichlorobenzene	146	10.879	10.879	(1.002)	208314	20.0000	20.3	
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	460033	20.0000	21.1	9401
119 1,2-Dichlorobenzene	146	11.127	11.130	(1.025)	201965	20.0000	21.2	
120 n-Butylbenzene	91	11.289	11.286	(1.040)	453383	20.0000	19.8	9649
124 1,2-Dibromo-3-Chloropropane	157	11.473	11.470	(1.057)	17963	20.0000	19.7	8975
122 1,2,4-Trichlorobenzene	180	12.385	12.385	(1.141)	138276	20.0000	20.8	
123 Napthalene	128	12.533	12.533	(1.154)	305843	20.0000	21.3	9369
125 Hexachlorobutadiene	225	12.600	12.603	(1.161)	99470	20.0000	20.7	9482
126 1,2,3-Trichlorobenzene	180	12.655	12.656	(1.166)	123011	20.0000	20.3	
M 127 TOTAL XYLENE	106				597996	60.0000	63.2	0

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

166918

Data File: /var/chem/msv6.i/2060810p.s.b/b6558.d

Date : 10-AUG-2006 19:01

Client ID: V6STD020

Sample Info: 1202*V6STD020*5-51-5

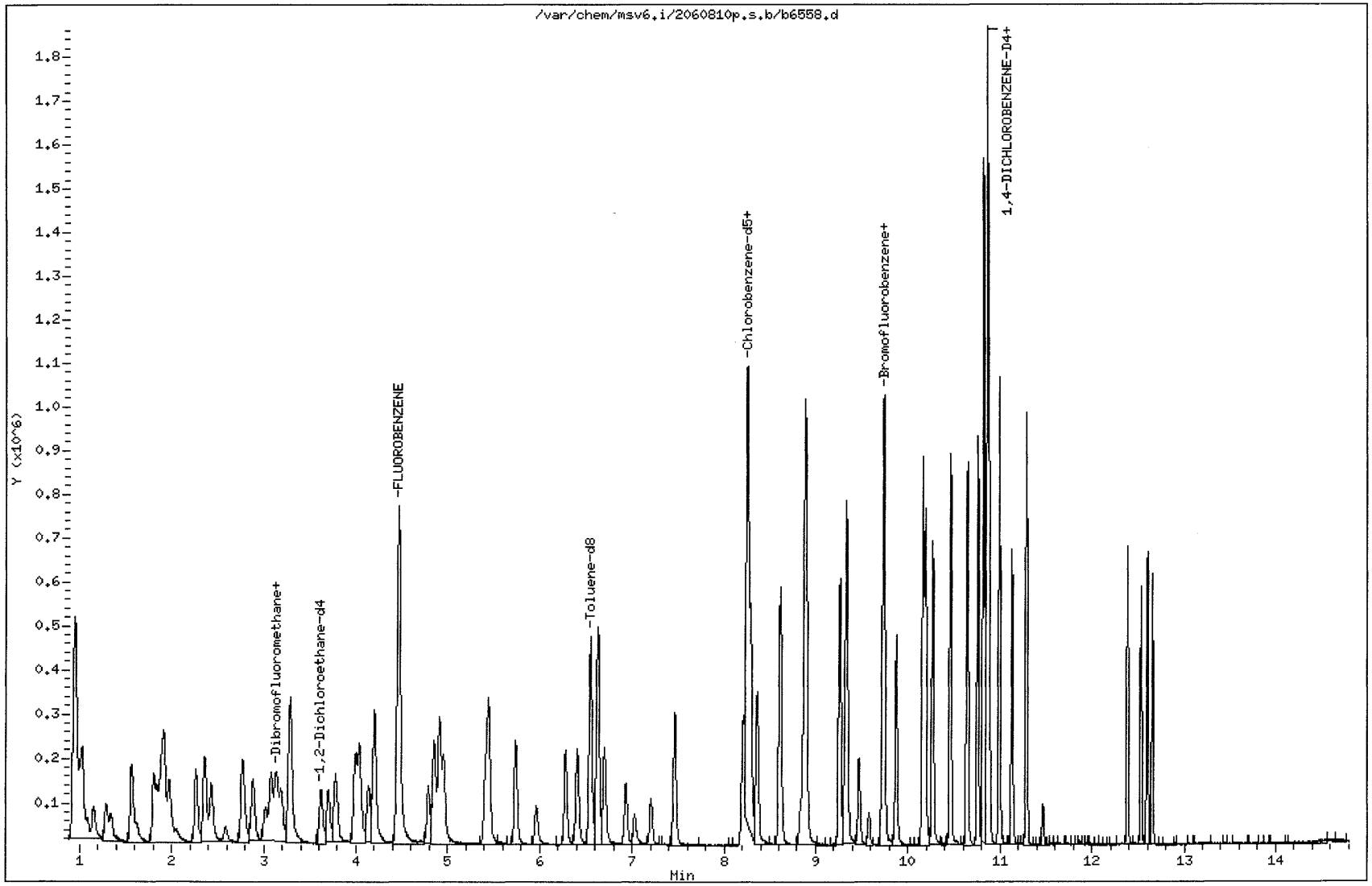
Column phase: DB-624-30M

Instrument: msv6.i

Operator: JCK

Column diameter: 0.53

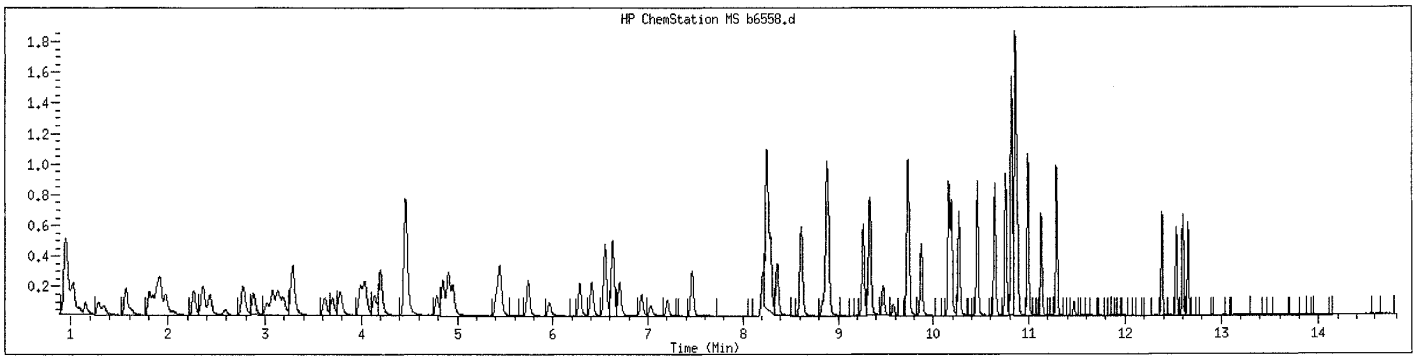
000458



Data file : /var/chem/msv6.i/2060810p.s.b/b6558.d Page: 1
Report Date: 08/10/2006 21:49

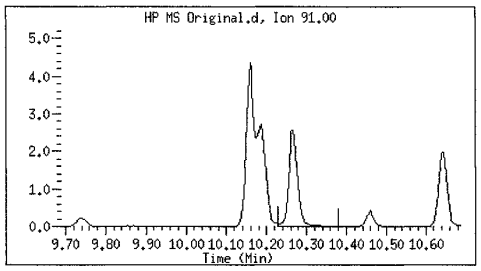
MANUAL INTEGRATION GRAPHIC REPORT

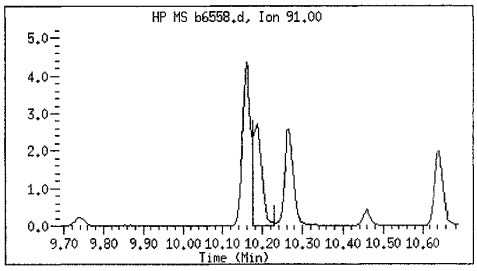
Lab ID : 1202 SampleType : CALIB_2
Injection Date: 10-AUG-2006 19:01 Instrument : msv6.i
Operator : JCK
Sample Info : 1202*V6STD020*5-51-5
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



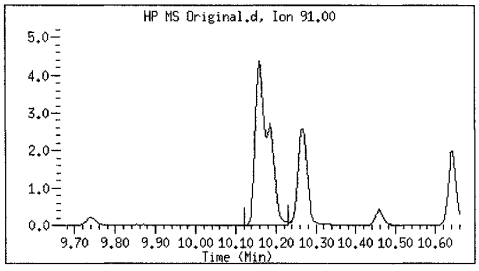
Original Final

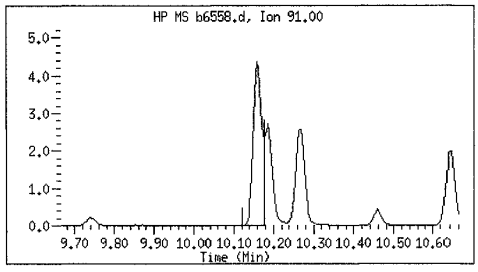
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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166920

GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6559.d
Lab Smp Id: 1203 Client Smp ID: V6STD050
Inj Date : 10-AUG-2006 19:22
Operator : JCK Inst ID: msv6.i
Smp Info : 1203*V6STD050*5-51-5
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 19:22 Cal File: b6559.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.030	1.030	(0.231)	429317	50.0000	45.1	9031
2 Chloromethane ++	50	1.088	1.094	(0.244)	92996	50.0000	43.7	7174
3 Vinyl Chloride +	62	1.152	1.150	(0.258)	219236	50.0000	47.5	8944
4 Bromomethane	94	1.286	1.289	(0.288)	213397	50.0000	44.7	9495
5 Chloroethane	64	1.345	1.342	(0.301)	143929	50.0000	47.6	8077
7 Acrolein	56	1.562	1.562	(0.350)	69650	250.000	229	4863(A)
6 Trichlorofluoromethane	101	1.562	1.565	(0.350)	440558	50.0000	46.8	9711
8 Acetone	43	1.621	1.624	(0.363)	102248	50.0000	47.9	8138
10 1,1-Dichloroethene +	96	1.802	1.808	(0.404)	186200	50.0000	45.9	7485
11 Methyl Iodide	142	1.819	1.813	(0.408)	129803	50.0000	46.8	4789
12 Acrylonitrile	53	1.844	1.847	(0.413)	269610	250.000	236	7958(A)
13 Methylene Chloride	49	1.883	1.886	(0.422)	272247	50.0000	51.3	8782
14 1,1,2Trichlotrifluoroethane	101	1.914	1.916	(0.429)	215483	50.0000	45.5	8264
15 Methyl Acetate	43	1.925	1.925	(0.431)	91602	50.0000	43.7	8825

166921

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Carbon Disulfide	76	1.975	1.975	(0.443)	651429	50.0000	45.3	8594
	17 trans-1,2-Dichloroethene	61	2.268	2.265	(0.508)	300031	50.0000	45.6	9379
	18 MTBE	73	2.354	2.363	(0.528)	754048	50.0000	48.2	8622
	19 1,1-Dichloroethane ++	63	2.429	2.432	(0.544)	389485	50.0000	46.9	9698
	20 Vinyl Acetate	43	2.588	2.583	(0.580)	212722	50.0000	51.5	
	22 Hexane	57	2.775	2.770	(0.622)	298227	50.0000	49.0	9099
	23 2-Butanone	43	2.772	2.778	(0.621)	265706	50.0000	47.0	
	24 cis-1,2-Dichloroethene	61	2.884	2.887	(0.646)	316889	50.0000	47.2	8615
	25 Bromochloromethane	128	3.026	3.024	(0.678)	86387	50.0000	45.7	9334
	26 Chloroform +	83	3.082	3.079	(0.691)	480107	50.0000	49.1	9338
	27 2,2-Dichloropropane	77	3.143	3.138	(0.704)	402474	50.0000	47.0	8919
$	28 Dibromofluoromethane	111	3.191	3.194	(0.715)	242123	50.0000	49.1	6528
$	31 1,2-Dichloroethane-d4	67	3.620	3.623	(0.811)	177340	50.0000	48.7	9497
	32 1,2-Dichloroethane	62	3.701	3.696	(0.829)	419237	50.0000	49.2	9354
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	398084	50.0000	47.9	5169
	34 1,1-Dichloropropene	75	3.991	3.991	(0.894)	336045	50.0000	45.6	8698
	35 Cyclohexane	56	4.033	4.039	(0.904)	326753	50.0000	45.9	6899
	38 Carbon Tetrachloride	117	4.139	4.136	(0.927)	287078	50.0000	49.6	9284
	40 Benzene	78	4.197	4.200	(0.941)	955814	50.0000	46.7	8226
*	41 FLUOROBENZENE	96	4.462	4.460	(1.000)	1036628	50.0000		9438
	46 Dibromomethane	93	4.786	4.792	(1.072)	176297	50.0000	48.9	9604
	48 1,2-Dichloropropane +	63	4.847	4.853	(1.086)	282264	50.0000	48.6	9352
	49 Trichloroethene	130	4.906	4.911	(1.099)	275347	50.0000	51.4	9478
	50 Bromodichloromethane	83	4.950	4.953	(1.109)	433560	50.0000	49.6	9390
	54 1-Bromo-2-chloroethane	63	5.405	5.408	(1.211)	368316	50.0000	48.8	9733
	55 Methyl cyclohexane	83	5.441	5.444	(1.219)	482374	50.0000	47.1	9142
	56 cis-1,3-Dichloropropene	75	5.742	5.740	(1.287)	481134	50.0000	50.4	
	58 4-methyl-2-pentanone	43	5.963	5.966	(1.336)	208814	50.0000	47.3	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.762)	444548	50.0000	51.8	
	64 1,1,2-Trichloroethane	97	6.406	6.409	(0.777)	225993	50.0000	48.7	9569
$	68 Toluene-d8	98	6.551	6.551	(0.794)	999172	50.0000	48.9	9488
	69 Toluene +	91	6.629	6.629	(0.804)	1160543	50.0000	47.2	9089
	70 1,3-Dichloropropane	76	6.702	6.705	(0.812)	413590	50.0000	48.6	9231
	72 Dibromochloromethane	129	6.936	6.936	(0.841)	263202	50.0000	52.1	9357
	74 2-Hexanone	43	7.028	7.025	(0.852)	163926	50.0000	49.8	9211
	77 1,2-Dibromoethane(EDB)	107	7.206	7.209	(0.874)	223293	50.0000	50.3	9760
	81 Tetrachloroethene	164	7.463	7.463	(0.905)	195322	50.0000	54.1	9650
	84 1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	252976	50.0000	51.1	9797
*	85 Chlorobenzene-d5	82	8.249	8.255	(1.000)	530587	50.0000		9391
	86 Chlorobenzene ++	112	8.288	8.291	(1.005)	722041	50.0000	48.9	9122
	87 1-Chlorohexane	91	8.361	8.364	(1.874)	380594	50.0000	47.6	9368
	88 Ethylbenzene +	106	8.615	8.615	(1.044)	404227	50.0000	48.2	8864
	92 Bromoform ++	173	8.838	8.838	(1.071)	154588	50.0000	54.0	9671
	93 p,m-Xylene	106	8.888	8.894	(1.077)	950015	100.000	94.9	9536
M	79 Total 1,2-Dichloroethene	61				616920	100.000	92.8	0
M	80 1-3 Dichloropropene-Total	100				925682	100.000	101	0
	95 Styrene	104	9.262	9.265	(1.123)	795431	50.0000	48.6	7623

166922

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
96 1,1,2,2-Tetrachloroethane++	83	9.323	9.323	(0.859)	258143	50.0000	48.8	8818
97 o-Xylene	106	9.334	9.337	(1.131)	484936	50.0000	47.5	
100 1,2,3-Trichloropropane	75	9.474	9.476	(0.873)	251117	50.0000	48.5	7183
104 trans-1,4-Dichloro-2-Butene	53	9.579	9.582	(0.882)	51273	50.0000	45.9	9555
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	293164	50.0000	49.5	9284
103 Isopropylbenzene	105	9.741	9.744	(1.181)	1203887	50.0000	50.5	9434
105 Bromobenzene	77	9.875	9.875	(0.910)	576724	50.0000	48.4	9581
111 n-Propylbenzene	91	10.160	10.162	(0.936)	1649052	50.0000	49.9	8258(M)
107 2-Chlorotoluene	91	10.187	10.188	(0.938)	986284	50.0000	46.3	8339(M)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	1033879	50.0000	48.8	9475
110 1,3,5-Trimethylbenzene	105	10.458	10.461	(0.963)	1119726	50.0000	48.7	
112 tert-butylbenzene	91	10.642	10.645	(0.980)	729364	50.0000	48.7	9286
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.991)	1122905	50.0000	48.4	
114 sec-Butylbenzene	105	10.820	10.821	(0.997)	1322622	50.0000	45.4	
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	489584	50.0000	47.5	
* 116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	370055	50.0000		9572
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	536313	50.0000	48.4	
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	1146840	50.0000	48.5	9366
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	509117	50.0000	49.4	
120 n-Butylbenzene	91	11.289	11.286	(1.040)	1133326	50.0000	45.6	9625
124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	50158	50.0000	51.0	8996
122 1,2,4-Trichlorobenzene	180	12.385	12.385	(1.141)	360946	50.0000	50.1	
123 Napthalene	128	12.530	12.533	(1.154)	796539	50.0000	51.4	9361
125 Hexachlorobutadiene	225	12.602	12.603	(1.161)	251207	50.0000	48.3	9439
126 1,2,3-Trichlorobenzene	180	12.653	12.656	(1.165)	333614	50.0000	51.0	
M 127 TOTAL XYLENE	106				1434951	150.000	142	0

QC Flag Legend

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

Data File: /var/chem/msv6.i/2060810p.s.b/b6559.d

Date : 10-AUG-2006 19:22

Client ID: V6STD050

Sample Info: 1203*V6STD050*5-51-5

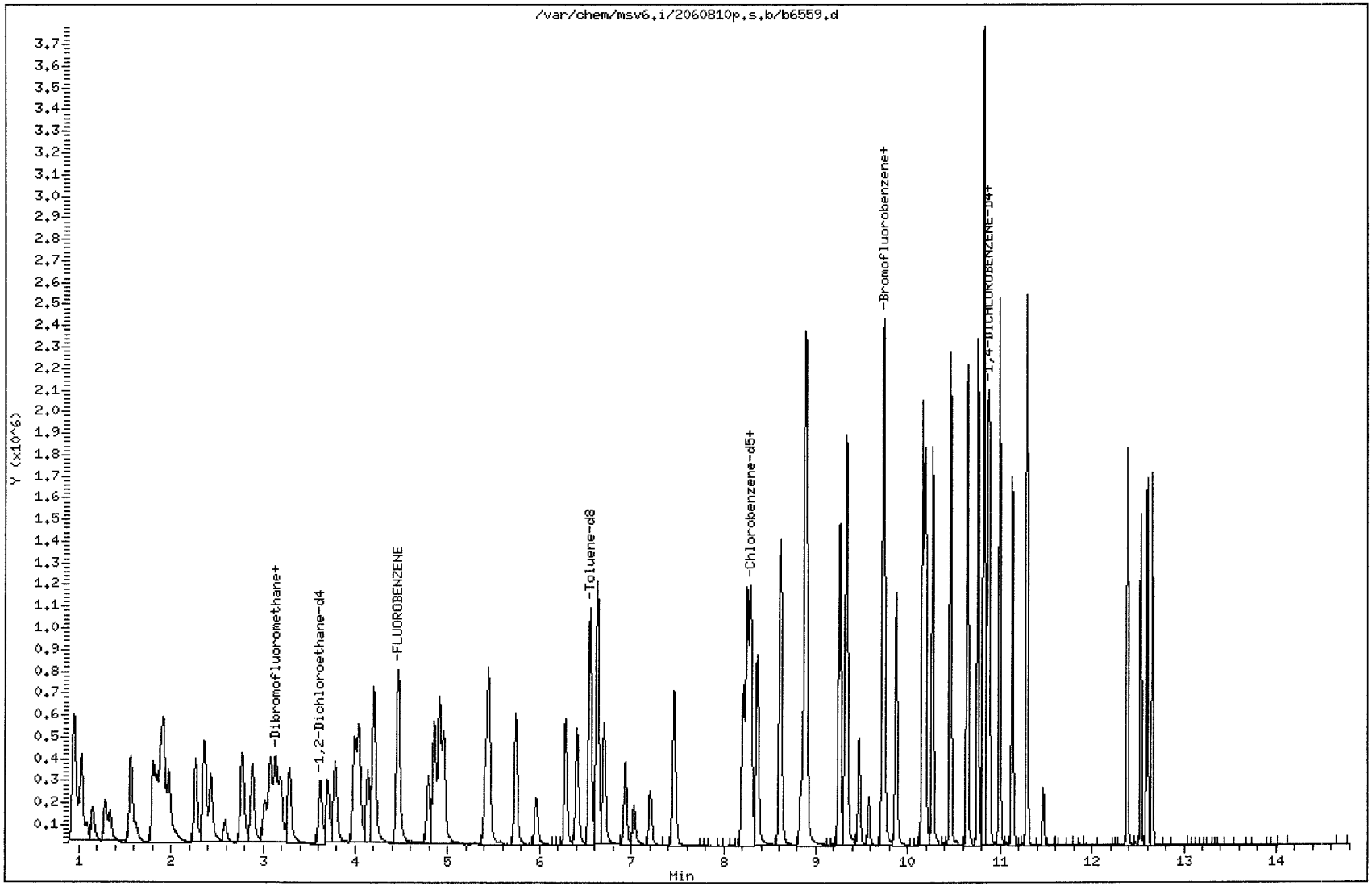
Column phase: DB-624-30M

Instrument: msv6.i

Operator: JCK

Column diameter: 0.53

000463

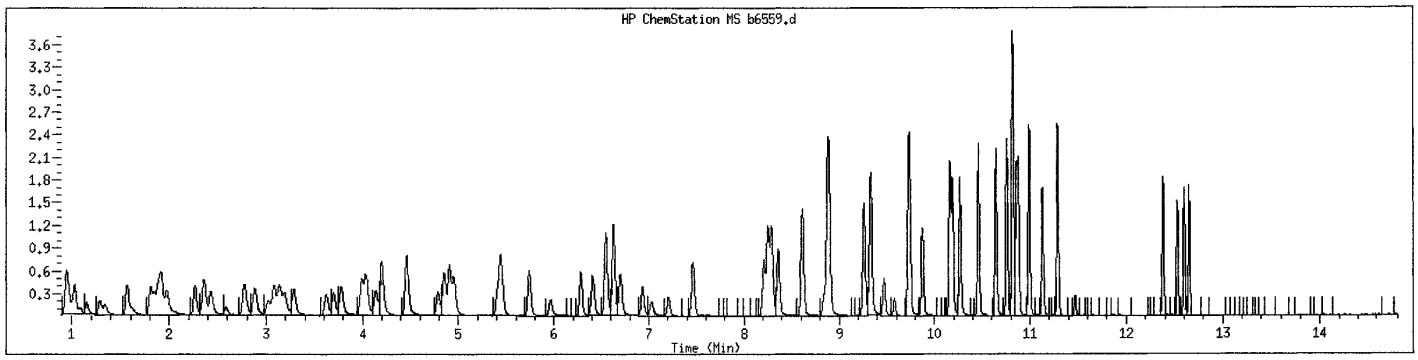


166924

Data file : /var/chem/msv6.i/2060810p.s.b/b6559.d Page: 1
Report Date: 08/10/2006 21:49

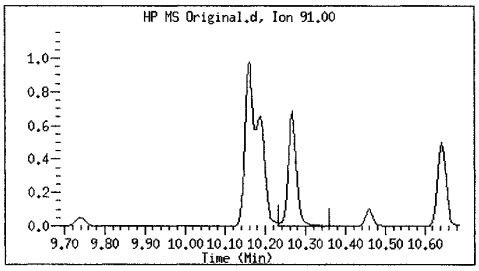
MANUAL INTEGRATION GRAPHIC REPORT

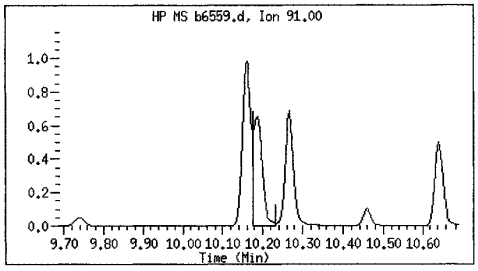
Lab ID : 1203 SampleType : CALIB_3
Injection Date: 10-AUG-2006 19:22 Instrument : msv6.i
Operator : JCK
Sample Info : 1203*V6STD050*5-51-5
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



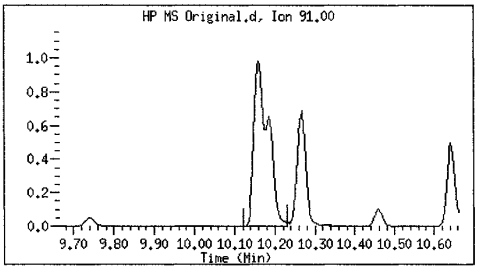
Original Final

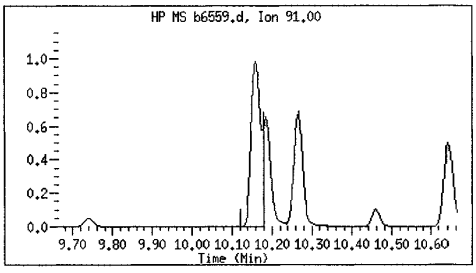
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6560.d
Lab Smp Id: 1204 Client Smp ID: V6STD100
Inj Date : 10-AUG-2006 19:42
Operator : JCK Inst ID: msv6.i
Smp Info : 1204*V6STD100*5-51-5
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 19:42 Cal File: b6560.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.030	1.030	(0.231)	845923	100.000	88.5	8352
2 Chloromethane ++	50	1.091	1.094	(0.244)	221811	100.000	104	8401
3 Vinyl Chloride +	62	1.152	1.150	(0.258)	399158	100.000	86.1	9085
4 Bromomethane	94	1.292	1.289	(0.289)	481016	100.000	100	9561
5 Chloroethane	64	1.342	1.342	(0.301)	277293	100.000	91.3	7887
7 Acrolein	56	1.562	1.562	(0.350)	154863	500.000	507	4996(A)
6 Trichlorofluoromethane	101	1.568	1.565	(0.351)	842872	100.000	89.2	9668
8 Acetone	43	1.626	1.624	(0.364)	211416	100.000	104	8511
10 1,1-Dichloroethene +	96	1.805	1.808	(0.404)	348686	100.000	85.6	7443
11 Methyl Iodide	142	1.813	1.813	(0.406)	318542	100.000	102	4641
12 Acrylonitrile	53	1.847	1.847	(0.414)	576706	500.000	503	7867(A)
13 Methylene Chloride	49	1.886	1.886	(0.423)	502755	100.000	101	8831
14 1,1,2Trichlotrifluoroethane	101	1.916	1.916	(0.429)	417646	100.000	87.9	8264
15 Methyl Acetate	43	1.925	1.925	(0.431)	201824	100.000	96.0	8969

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Carbon Disulfide	76	1.972	1.975	(0.442)	1308594	100.000	90.8	8662
	17 trans-1,2-Dichloroethene	61	2.265	2.265	(0.508)	594290	100.000	89.9	9409
	18 MTBE	73	2.360	2.363	(0.529)	1555300	100.000	99.1	8665
	19 1,1-Dichloroethane ++	63	2.435	2.432	(0.546)	797532	100.000	95.6	9713
	20 Vinyl Acetate	43	2.586	2.583	(0.579)	420106	100.000	101	
	22 Hexane	57	2.770	2.770	(0.621)	592326	100.000	102	9109
	23 2-Butanone	43	2.775	2.778	(0.622)	554963	100.000	101	
	24 cis-1,2-Dichloroethene	61	2.887	2.887	(0.647)	630195	100.000	93.6	8656
	25 Bromochloromethane	128	3.024	3.024	(0.678)	181635	100.000	95.8	9422
	26 Chloroform +	83	3.082	3.079	(0.691)	943921	100.000	96.2	9411
	27 2,2-Dichloropropane	77	3.138	3.138	(0.703)	800282	100.000	93.1	8991
$	28 Dibromofluoromethane	111	3.191	3.194	(0.715)	467553	100.000	94.4	6538
$	31 1,2-Dichloroethane-d4	67	3.620	3.623	(0.811)	361677	100.000	98.9	9459
	32 1,2-Dichloroethane	62	3.698	3.696	(0.829)	827810	100.000	96.8	9455
	33 1,1,1-Trichloroethane	97	3.776	3.779	(0.846)	777629	100.000	93.2	5152
	34 1,1-Dichloropropene	75	3.988	3.991	(0.894)	666762	100.000	90.1	8699
	35 Cyclohexane	56	4.036	4.039	(0.904)	647233	100.000	90.5	6897
	38 Carbon Tetrachloride	117	4.133	4.136	(0.926)	585683	100.000	101	9317
	40 Benzene	78	4.200	4.200	(0.941)	1887446	100.000	91.8	8229
*	41 FLUOROBENZENE	96	4.463	4.460	(1.000)	1040527	50.0000		9448
	46 Dibromomethane	93	4.789	4.792	(1.073)	356383	100.000	98.5	9567
	48 1,2-Dichloropropane +	63	4.853	4.853	(1.087)	533428	100.000	91.6	9397
	49 Trichloroethene	130	4.909	4.911	(1.100)	533741	100.000	102	9514
	50 Bromodichloromethane	83	4.953	4.953	(1.110)	886949	100.000	101	9427
	53 2-Chloroethyl vinyl ether	63	5.405	5.405	(1.211)	745708	100.000	100	9657
	54 1-Bromo-2-chloroethane	63	5.405	5.408	(1.211)	745708	100.000	98.5	9718
	55 Methyl cyclohexane	83	5.447	5.444	(1.221)	936698	100.000	91.2	9078
	56 cis-1,3-Dichloropropene	75	5.740	5.740	(1.286)	999126	100.000	104	
	58 4-methyl-2-pentanone	43	5.960	5.966	(1.336)	456609	100.000	103	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.762)	949349	100.000	104	
	64 1,1,2-Trichloroethane	97	6.409	6.409	(0.777)	463545	100.000	94.1	9592
$	68 Toluene-d8	98	6.551	6.551	(0.794)	1917684	100.000	88.5	9533
	69 Toluene +	91	6.629	6.629	(0.804)	2238404	100.000	85.7	9140
	70 1,3-Dichloropropane	76	6.702	6.705	(0.812)	855301	100.000	94.8	9274
	72 Dibromochloromethane	129	6.933	6.936	(0.840)	564323	100.000	105	9357
	74 2-Hexanone	43	7.028	7.025	(0.852)	368265	100.000	105	9180
	77 1,2-Dibromoethane(EDB)	107	7.204	7.209	(0.873)	459190	100.000	97.5	9768
	81 Tetrachloroethene	164	7.463	7.463	(0.905)	379748	100.000	103	9655
	84 1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	509881	100.000	97.0	9627
*	85 Chlorobenzene-d5	82	8.249	8.255	(1.000)	563151	50.0000		9399
	86 Chlorobenzene ++	112	8.291	8.291	(1.005)	1413585	100.000	90.2	8866
	87 1-Chlorohexane	91	8.364	8.364	(1.874)	751086	100.000	93.6	9419
	88 Ethylbenzene +	106	8.615	8.615	(1.044)	788793	100.000	88.6	8890
	92 Bromoform ++	173	8.838	8.838	(1.071)	336442	100.000	111	9681
	93 p,m-Xylene	106	8.888	8.894	(1.077)	1833454	200.000	172	9560
M	79 Total 1,2-Dichloroethene	61				1224485	200.000	184	0
M	80 1-3 Dichloropropene-Total	100				1948475	200.000	213	0(A)

000466

166927

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
95 Styrene	104	9.262	9.265	(1.123)	1558785	100.000	89.7	7686
96 1,1,2,2-Tetrachloroethane++	83	9.323	9.323	(0.859)	523309	100.000	97.2	8987
97 o-Xylene	106	9.334	9.337	(1.131)	948954	100.000	87.7	
100 1,2,3-Trichloropropane	75	9.471	9.476	(0.872)	528731	100.000	100	7188
104 trans-1,4-Dichloro-2-Butene	53	9.577	9.582	(0.882)	120902	100.000	101	9544
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	554305	100.000	88.2	9300
103 Isopropylbenzene	105	9.741	9.744	(1.181)	2273256	100.000	89.8	9375
105 Bromobenzene	77	9.875	9.875	(0.909)	1131267	100.000	93.3	9516
111 n-Propylbenzene	91	10.162	10.162	(0.936)	3108807	100.000	92.4	8273(M)
107 2-Chlorotoluene	91	10.188	10.188	(0.938)	1710331	100.000	78.8	6084(MH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	1983155	100.000	91.9	9558
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.963)	2112887	100.000	90.3	
112 tert-butylbenzene	91	10.645	10.645	(0.980)	1397914	100.000	91.7	9310
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.990)	2126266	100.000	90.0	
114 sec-Butylbenzene	105	10.821	10.821	(0.996)	2464885	100.000	83.2	
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	917286	100.000	87.4	
* 116 1,4-DICHLOROBENZENE-D4	152	10.860	10.860	(1.000)	376695	50.0000		9346
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	1034173	100.000	91.7	
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	2145211	100.000	89.1	9306
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	975289	100.000	93.0	
120 n-Butylbenzene	91	11.286	11.286	(1.039)	2145888	100.000	84.9	9641
124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	114657	100.000	114	8919
122 1,2,4-Trichlorobenzene	180	12.385	12.385	(1.140)	694371	100.000	94.6	
123 Napthalene	128	12.530	12.533	(1.154)	1579696	100.000	100	9324
125 Hexachlorobutadiene	225	12.603	12.603	(1.160)	469965	100.000	88.8	9480
126 1,2,3-Trichlorobenzene	180	12.653	12.656	(1.165)	638777	100.000	95.9	
M 127 TOTAL XYLENE	106				2782408	300.000	260	0

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.

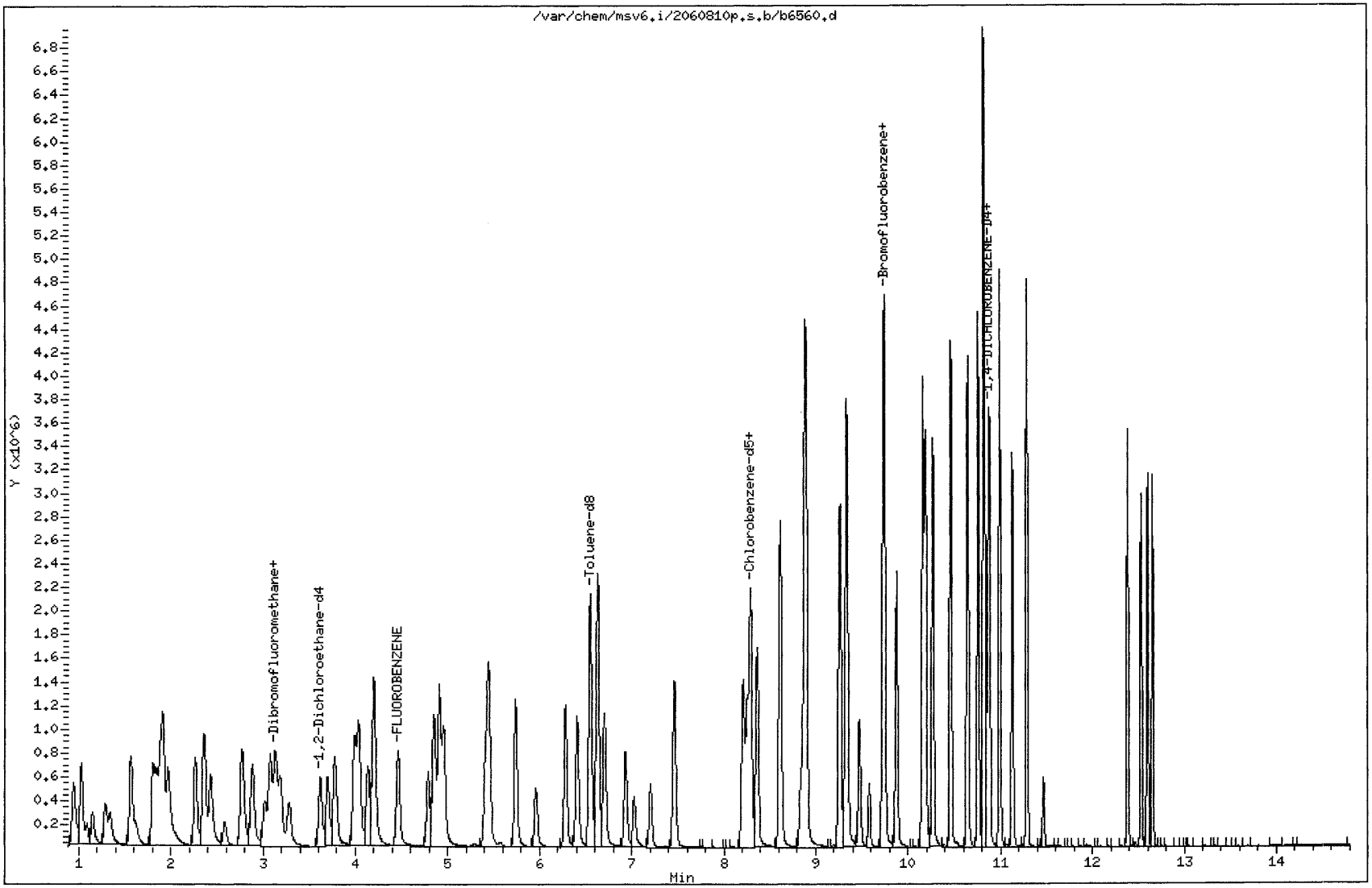
000468

Data File: /var/chem/msv6.i/2060810p.s.b/b6560.d
Date : 10-AUG-2006 19:42
Client ID: V6STD100
Sample Info: 1204*V6STD100*5-51-5

Instrument: msv6.i

Operator: JCK
Column diameter: 0.53

Column phase: DB-624-30M

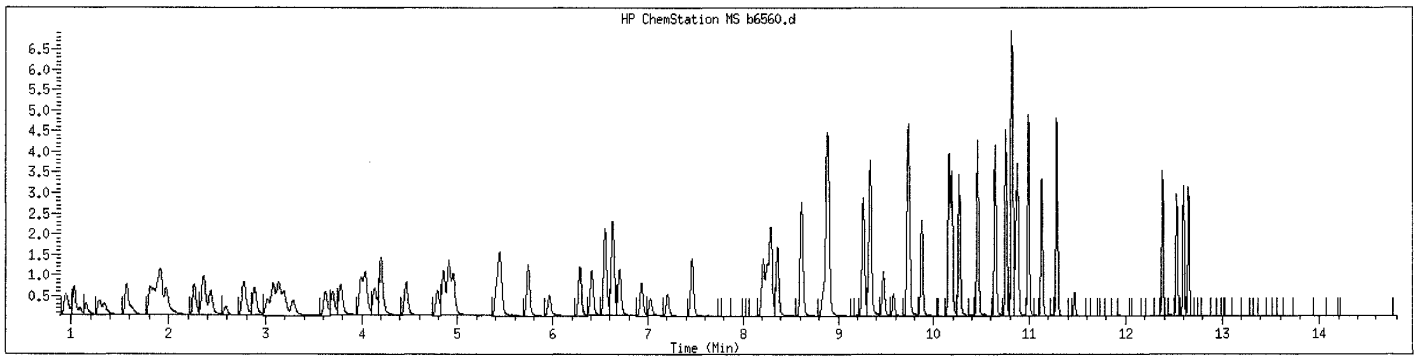


166929

Data file : /var/chem/msv6.i/2060810p.s.b/b6560.d Page: 1
Report Date: 08/10/2006 21:49

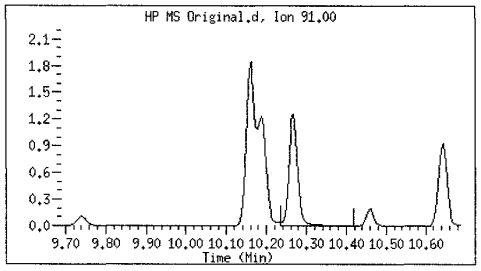
MANUAL INTEGRATION GRAPHIC REPORT

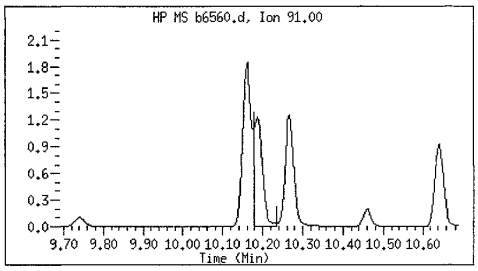
Lab ID : 1204 SampleType : CALIB_4
Injection Date: 10-AUG-2006 19:42 Instrument : msv6.i
Operator : JCK
Sample Info : 1204*V6STD100*5-51-5
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



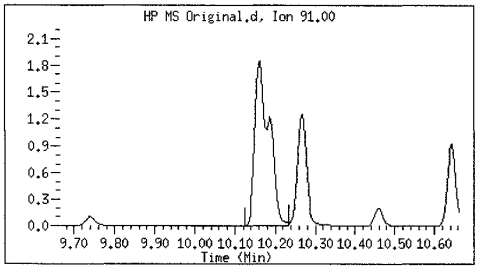
Original Final

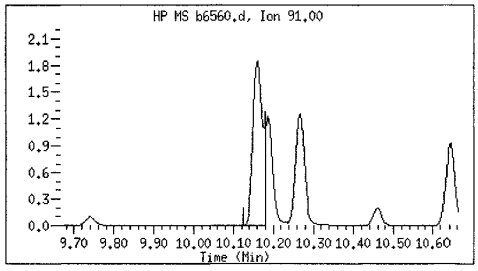
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





000469

166930

GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6561.d
Lab Smp Id: 1205 Client Smp ID: V6STD200
Inj Date : 10-AUG-2006 20:03
Operator : RJO Inst ID: msv6.i
Smp Info : 1205*V6STD200
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.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)	ON-COL (ppb)	SIMILARITY
1 Dichlorodifluoromethane	85	1.030	1.030	(0.231)	1731171	200.000	170	8024
2 Chloromethane ++	50	1.094	1.094	(0.245)	512428	200.000	225	8981(A)
3 Vinyl Chloride +	62	1.150	1.150	(0.258)	703673	200.000	142	9315
4 Bromomethane	94	1.289	1.289	(0.289)	966415	200.000	189	9328
5 Chloroethane	64	1.342	1.342	(0.301)	587829	200.000	182	7890
7 Acrolein	56	1.562	1.562	(0.350)	315984	1000.00	970	5014(A)
6 Trichlorofluoromethane	101	1.565	1.565	(0.351)	1694322	200.000	168	9735
8 Acetone	43	1.624	1.624	(0.364)	422185	200.000	199	8177
10 1,1-Dichloroethene +	96	1.808	1.808	(0.405)	761841	200.000	176	7425
11 Methyl Iodide	142	1.813	1.813	(0.407)	810053	200.000	200	0(M)
12 Acrylonitrile	53	1.847	1.847	(0.414)	1154937	1000.00	946	7810(A)
13 Methylene Chloride	49	1.886	1.886	(0.423)	1019051	200.000	199	8776
14 1,1,2Trichlotrifluoroethane	101	1.916	1.916	(0.430)	864686	200.000	171	8277
15 Methyl Acetate	43	1.925	1.925	(0.432)	415320	200.000	185	8837

166931

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 Carbon Disulfide	76	1.975	1.975	(0.443)	2848593	200.000	185	8638
	17 trans-1,2-Dichloroethene	61	2.265	2.265	(0.508)	1270204	200.000	180	9350
	18 MTBE	73	2.363	2.363	(0.530)	3184560	200.000	190	8663
	19 1,1-Dichloroethane ++	63	2.432	2.432	(0.545)	1703956	200.000	192	9693
	20 Vinyl Acetate	43	2.583	2.583	(0.579)	942035	200.000	213	(A)
	22 Hexane	57	2.770	2.770	(0.621)	1201670	200.000	199	9035
	23 2-Butanone	43	2.778	2.778	(0.623)	1157941	200.000	200	(A)
	24 cis-1,2-Dichloroethene	61	2.887	2.887	(0.647)	1387087	200.000	193	8667
	25 Bromochloromethane	128	3.024	3.024	(0.678)	394431	200.000	195	9495
	26 Chloroform +	83	3.079	3.079	(0.690)	2030652	200.000	194	9414
	27 2,2-Dichloropropane	77	3.138	3.138	(0.704)	1730267	200.000	189	8998
$	28 Dibromofluoromethane	111	3.194	3.194	(0.716)	1028906	200.000	195	6485
$	31 1,2-Dichloroethane-d4	67	3.623	3.623	(0.812)	762575	200.000	196	9469
	32 1,2-Dichloroethane	62	3.696	3.696	(0.829)	1785086	200.000	196	9404
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	1660702	200.000	187	5132
	34 1,1-Dichloropropene	75	3.991	3.991	(0.895)	1422361	200.000	180	8693
	35 Cyclohexane	56	4.039	4.039	(0.906)	1368868	200.000	180	6900
	38 Carbon Tetrachloride	117	4.136	4.136	(0.927)	1288555	200.000	208	9312(A)
	40 Benzene	78	4.200	4.200	(0.942)	4054340	200.000	185	8340
*	41 FLUOROBENZENE	96	4.460	4.460	(1.000)	1108850	50.0000		9488
	46 Dibromomethane	93	4.792	4.792	(1.074)	755119	200.000	196	9550
	48 1,2-Dichloropropane +	63	4.853	4.853	(1.088)	1148832	200.000	185	9410
	49 Trichloroethene	130	4.911	4.911	(1.101)	1095809	200.000	199	9589
	50 Bromodichloromethane	83	4.953	4.953	(1.111)	1957518	200.000	209	9385(A)
	54 1-Bromo-2-chloroethane	63	5.408	5.408	(1.213)	1545610	200.000	192	9747
	55 Methyl cyclohexane	83	5.444	5.444	(1.221)	1957657	200.000	179	9133
	56 cis-1,3-Dichloropropene	75	5.740	5.740	(1.287)	2179593	200.000	214	(A)
	58 4-methyl-2-pentanone	43	5.966	5.966	(1.338)	932458	200.000	198	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.761)	2062280	200.000	201	(A)
	64 1,1,2-Trichloroethane	97	6.409	6.409	(0.776)	981740	200.000	177	9624
$	68 Toluene-d8	98	6.551	6.551	(0.794)	3972773	200.000	162	9589
	69 Toluene +	91	6.629	6.629	(0.803)	4598608	200.000	156	9211
	70 1,3-Dichloropropane	76	6.705	6.705	(0.812)	1828610	200.000	179	9280
	72 Dibromochloromethane	129	6.936	6.936	(0.840)	1238093	200.000	204	9386(A)
	74 2-Hexanone	43	7.025	7.025	(0.851)	746794	200.000	190	9096
	77 1,2-Dibromoethane(EDB)	107	7.209	7.209	(0.873)	978745	200.000	184	9681
	81 Tetrachloroethene	164	7.463	7.463	(0.904)	810382	200.000	197	9652
	84 1,1,1,2-Tetrachloroethane	133	8.213	8.213	(0.995)	1097134	200.000	185	9807
*	85 Chlorobenzene-d5	82	8.255	8.255	(1.000)	635563	50.0000		9416
	86 Chlorobenzene ++	112	8.291	8.291	(1.004)	2926114	200.000	165	8808
	87 1-Chlorohexane	91	8.364	8.364	(1.875)	1579180	200.000	185	9446
	88 Ethylbenzene +	106	8.615	8.615	(1.044)	1658224	200.000	165	8946
	92 Bromoform ++	173	8.838	8.838	(1.071)	727073	200.000	212	9682(A)
	93 p,m-Xylene	106	8.894	8.894	(1.077)	3756931	400.000	313	9513(A)
M	79 Total 1,2-Dichloroethene	61				2657291	400.000	374	0(A)
M	80 1-3 Dichloropropene-Total	100				4241873	400.000	434	0(A)
	95 Styrene	104	9.265	9.265	(1.122)	3257660	200.000	166	7763

000471

166932

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
96 1,1,2,2-Tetrachloroethane++	83	9.323	9.323	(0.859)	1061118	200.000	180	9220
97 o-Xylene	106	9.337	9.337	(1.131)	1997615	200.000	164	
100 1,2,3-Trichloropropane	75	9.476	9.476	(0.873)	1081296	200.000	187	7134
104 trans-1,4-Dichloro-2-Butene	53	9.582	9.582	(0.882)	266480	200.000	200	9637(A)
$ 102 Bromofluorobenzene	174	9.730	9.730	(1.179)	1139787	200.000	161	9289
103 Isopropylbenzene	105	9.744	9.744	(1.180)	4453332	200.000	156	9266
105 Bromobenzene	77	9.875	9.875	(0.909)	2364378	200.000	178	9497
111 n-Propylbenzene	91	10.162	10.162	(0.936)	5603731	200.000	152	8380(M)
107 2-Chlorotoluene	91	10.188	10.188	(0.938)	3107677	200.000	131	6182(MH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	3933158	200.000	166	9562
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.963)	4197812	200.000	164	
112 tert-butylbenzene	91	10.645	10.645	(0.980)	2823262	200.000	169	9278
113 1,2,4-Trimethylbenzene	105	10.759	10.759	(0.991)	4174680	200.000	161	
114 sec-Butylbenzene	105	10.821	10.821	(0.996)	4667810	200.000	144	
115 1,3-Dichlorobenzene	146	10.821	10.821	(0.996)	1889586	200.000	164	
* 116 1,4-DICHLOROBENZENE-D4	152	10.860	10.860	(1.000)	412978	50.0000		9269
117 1,4-Dichlorobenzene	146	10.879	10.879	(1.002)	2136746	200.000	173	
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	4173235	200.000	158	9140
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	2012018	200.000	175	
120 n-Butylbenzene	91	11.286	11.286	(1.039)	4103805	200.000	148	9530
124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	240390	200.000	219	8858(A)
122 1,2,4-Trichlorobenzene	180	12.385	12.385	(1.140)	1371041	200.000	170	
123 Napthalene	128	12.533	12.533	(1.154)	3012380	200.000	174	9178
125 Hexachlorobutadiene	225	12.603	12.603	(1.160)	910047	200.000	157	9482
126 1,2,3-Trichlorobenzene	180	12.656	12.656	(1.165)	1273790	200.000	174	
M 127 TOTAL XYLENE	106				5754546	600.000	477	0

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.

Data File: /var/chem/msv6.i/2060810p.s.b/b6561.d

Date : 10-AUG-2006 20:03

Client ID: V6STD200

Sample Info: 1205*V6STD200

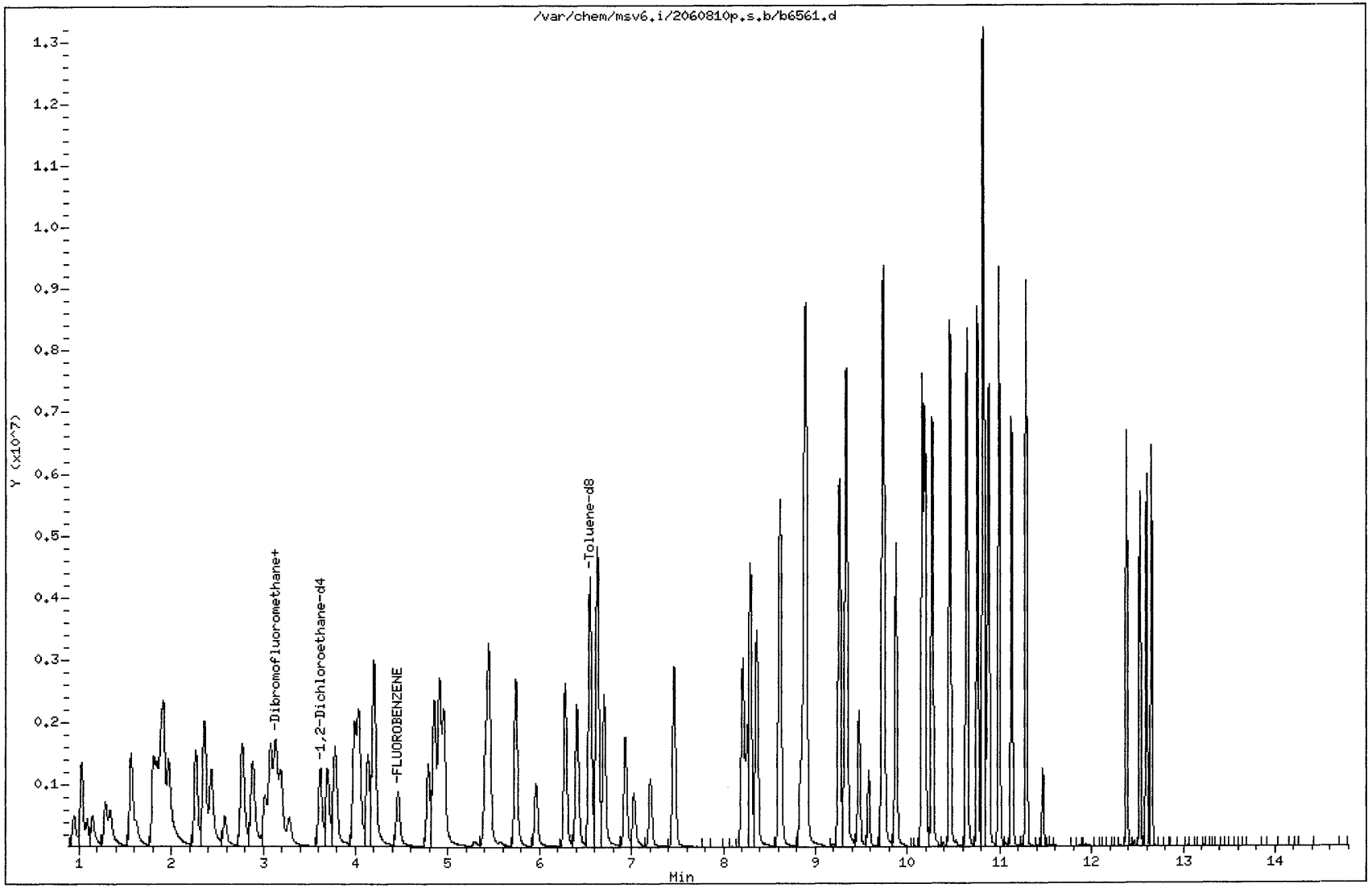
Column phase: DB-624-30M

Instrument: msv6.i

Operator: RJO

Column diameter: 0.53

000473

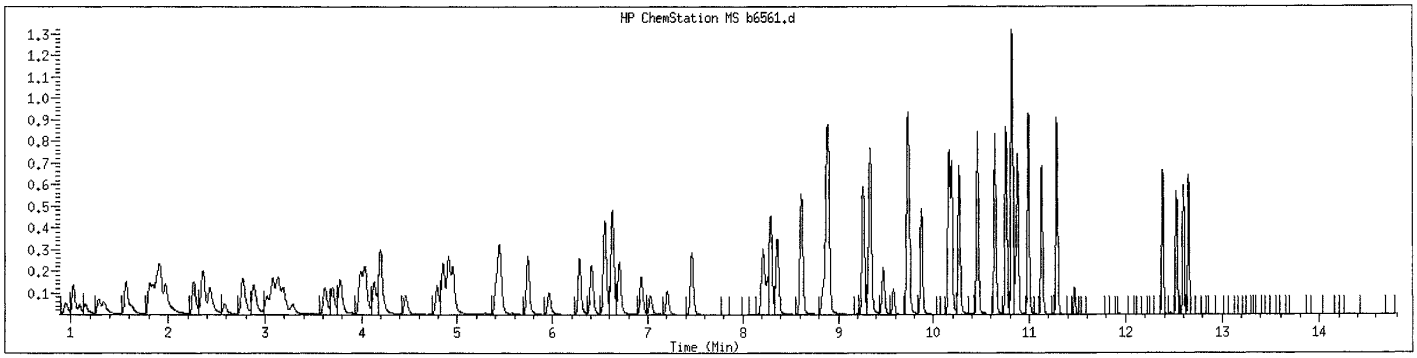


166934

Data file : /var/chem/msv6.i/2060810p.s.b/b6561.d Page: 1
Report Date: 08/10/2006 21:49

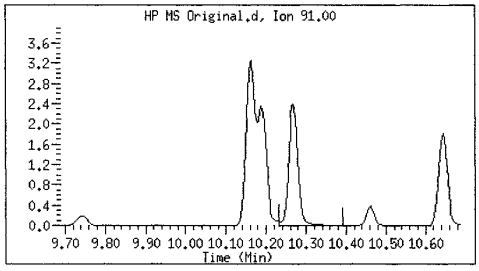
MANUAL INTEGRATION GRAPHIC REPORT

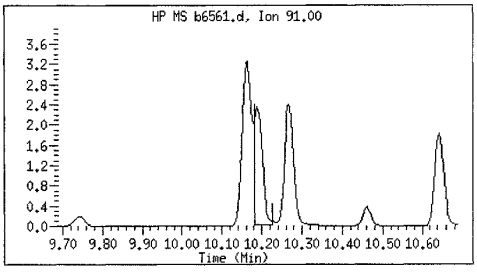
Lab ID : 1205 SampleType : CALIB_5
Injection Date: 10-AUG-2006 20:03 Instrument : msv6.i
Operator : RJO
Sample Info : 1205*V6STD200
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



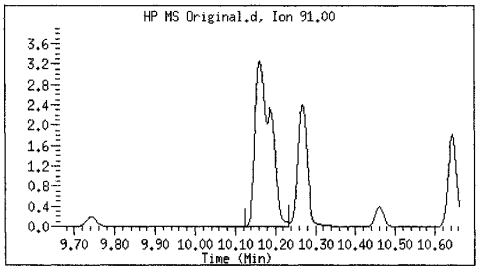
Original Final

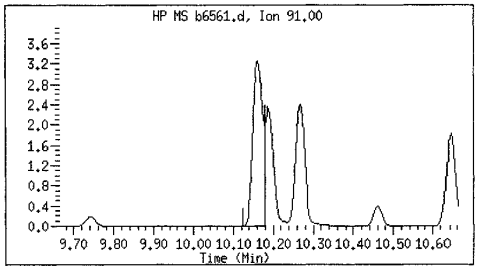
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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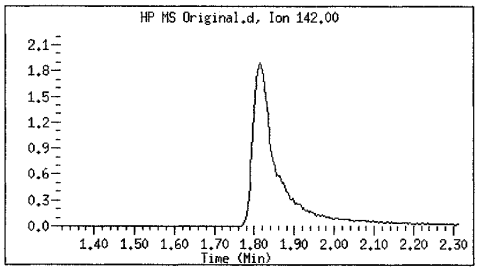
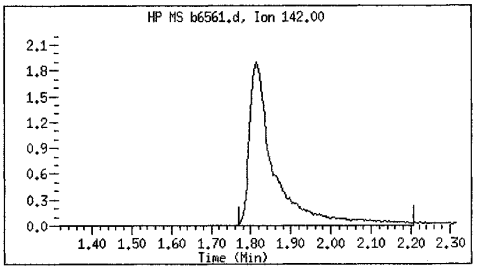
166935

Original Final

11 Methyl Iodide CAS#: 74-88-4





Data file : /var/chem/msv6.i/2060810p.s.b/b6563.d
Report Date: 08/11/2006 18:11

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
Client SDG: 2060810p.s
Fraction: VOA
Client Smp ID: 8260ICV
Operator: RJO
Sample Type: LCS
Quant Type: ISTD
Method File: /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Misc Info: MSV~8845~*1*ABD

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
1 Dichlorodifluoromethane	50.0	47.7	95.46	75-125
2 Chloromethane ++	50.0	59.7	119.39	75-125
3 Vinyl Chloride +	50.0	44.3	88.61	75-125
4 Bromomethane	50.0	50.1	100.11	75-125
5 Chloroethane	50.0	48.6	97.19	75-125
6 Trichlorofluoromethane	50.0	48.3	96.56	75-125
7 Acrolein	250	355	141.92*	60-140
8 Acetone	50.0	50.2	100.49	60-140
10 1,1-Dichloroethene +	50.0	46.9	93.75	75-125
11 Methyl Iodide	50.0	55.7	111.33	75-125
12 Acrylonitrile	250	226	90.32	60-140
13 Methylene Chloride	50.0	49.0	98.00	75-125
14 1,1,2Trichlotrifluoroethane	50.0	47.5	94.98	75-125
15 Methyl Acetate	50.0	47.2	94.31	75-125
16 Carbon Disulfide	50.0	47.2	94.38	75-125
17 trans-1,2-Dichloroethene	50.0	48.1	96.23	75-125
18 MTBE	50.0	48.5	96.91	75-125
19 1,1-Dichloroethane ++	50.0	50.5	100.94	75-125
20 Vinyl Acetate	50.0	57.6	115.28	75-125
22 Hexane	50.0	54.5	108.98	75-125
23 2-Butanone	50.0	51.5	103.03	60-140
24 cis-1,2-Dichloroethene	50.0	49.5	99.07	75-125
25 Bromochloromethane	50.0	48.3	96.70	75-125
26 Chloroform +	50.0	49.6	99.25	75-125
27 2,2-Dichloropropane	50.0	48.3	96.56	75-125
32 1,2-Dichloroethane	50.0	47.8	95.51	75-125
33 1,1,1-Trichloroethane	50.0	48.3	96.63	75-125
34 1,1-Dichloropropene	50.0	48.5	96.93	75-125
35 Cyclohexane	50.0	49.1	98.28	75-125
38 Carbon Tetrachloride	50.0	50.8	101.63	75-125

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Data file : /var/chem/msv6.i/2060810p.s.b/b6563.d
Report Date: 08/11/2006 18:11

	SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
	40	Benzene	50.0	47.9	95.76	75-125
	46	Dibromomethane	50.0	39.1	78.19	75-125
	48	1,2-Dichloropropane +	50.0	48.8	97.52	75-125
	49	Trichloroethene	50.0	54.2	108.43	75-125
	50	Bromodichloromethane	50.0	51.3	102.54	75-125
	53	2-Chloroethyl vinyl ether	50.0	51.9	103.88	75-125
	55	Methyl cyclohexane	50.0	52.3	104.64	75-125
	56	cis-1,3-Dichloropropene	50.0	52.2	104.37	75-125
	58	4-methyl-2-pentanone	50.0	49.3	98.55	60-140
	64	1,1,2-Trichloroethane	50.0	49.5	99.03	75-125
	69	Toluene +	50.0	48.1	96.25	75-125
	70	1,3-Dichloropropane	50.0	49.7	99.32	75-125
	72	Dibromochloromethane	50.0	51.0	102.09	75-125
	74	2-Hexanone	50.0	51.5	103.10	75-125
	77	1,2-Dibromoethane(EDB)	50.0	49.8	99.52	75-125
M	79	Total 1,2-Dichloroethene	100	97.7	97.66	75-125
	81	Tetrachloroethene	50.0	56.1	112.11	75-125
	84	1,1,1,2-Tetrachloroethane	50.0	51.1	102.22	75-125
	86	Chlorobenzene ++	50.0	49.9	99.76	75-125
	87	1-Chlorohexane	50.0	51.4	102.80	75-125
	88	Ethylbenzene +	50.0	49.6	99.17	75-125
	92	Bromoform ++	50.0	51.8	103.68	75-125
	93	p,m-Xylene	100	98.8	98.82	75-125
	95	Styrene	50.0	50.0	100.04	75-125
	96	1,1,2,2-Tetrachloroethane++	50.0	50.4	100.85	75-125
	97	o-Xylene	50.0	49.6	99.12	75-125
	99	trans-1,3-Dichloropropene	50.0	52.9	105.81	75-125
	100	1,2,3-Trichloropropane	50.0	50.0	100.08	75-125
	103	Isopropylbenzene	50.0	52.1	104.26	75-125
	104	trans-1,4-Dichloro-2-Butene	50.0	48.6	97.14	60-140
	105	Bromobenzene	50.0	50.6	101.26	75-125
	107	2-Chlorotoluene	50.0	49.9	99.75	75-125
	108	4-Chlorotoluene	50.0	51.5	102.92	75-125
	110	1,3,5-Trimethylbenzene	50.0	51.5	103.06	75-125
	111	n-Propylbenzene	50.0	53.0	106.05	75-125
	112	tert-butylbenzene	50.0	51.6	103.13	75-125
	113	1,2,4-Trimethylbenzene	50.0	51.0	102.01	75-125
	114	sec-Butylbenzene	50.0	49.3	98.59	75-125
	115	1,3-Dichlorobenzene	50.0	48.8	97.66	75-125
	117	1,4-Dichlorobenzene	50.0	50.9	101.75	75-125
	118	p-Isopropyltoluene	50.0	52.3	104.58	75-125
	119	1,2-Dichlorobenzene	50.0	51.5	102.93	75-125
	120	n-Butylbenzene	50.0	50.5	100.94	75-125
	122	1,2,4-Trichlorobenzene	50.0	53.1	106.20	75-125
	124	1,2-Dibromo-3-Chloropropane	50.0	51.4	102.72	60-140
	125	Hexachlorobutadiene	50.0	50.9	101.83	75-125

Data file : /var/chem/msv6.i/2060810p.s.b/b6563.d
Report Date: 08/11/2006 18:11

SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
126 1,2,3-Trichlorobenzene	50.0	52.7	105.37	75-125
M 127 TOTAL XYLENE	150	148	98.92	75-125

SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$ 28 Dibromofluoromethane	50.0	51.3	102.67	65-130
$ 31 1,2-Dichloroethane-d4	50.0	46.5	92.95	62-125
$ 68 Toluene-d8	50.0	56.6	113.13	71-132
$ 102 Bromofluorobenzene	50.0	51.9	103.88	62-127

166939

GCAL, Inc.

Data file : /var/chem/msv6.i/2060810p.s.b/b6563.d
Lab Smp Id: 1600 Client Smp ID: 8260ICV
Inj Date : 10-AUG-2006 21:06
Operator : RJO Inst ID: msv6.i
Smp Info : 1600*8260ICV
Misc Info : MSV~8845~*1*ABD
Comment :
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Meth Date : 10-Aug-2006 21:44 rjo Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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	1.027	1.030	(0.230)	503398	47.7320	47.7	8998
2 Chloromethane ++	50	1.094	1.094	(0.245)	140604	59.6967	59.7	8255
3 Vinyl Chloride +	62	1.152	1.150	(0.258)	226579	44.3054	44.3	9355
4 Bromomethane	94	1.289	1.289	(0.289)	264724	50.0571	50.1	9517
5 Chloroethane	64	1.342	1.342	(0.301)	162834	48.5971	48.6	8153
7 Acrolein	56	1.565	1.562	(0.351)	119700	354.790	355	5010(AR)
6 Trichlorofluoromethane	101	1.568	1.565	(0.351)	503675	48.2806	48.3	9700
8 Acetone	43	1.626	1.624	(0.364)	118309	50.2470	50.2	8449
10 1,1-Dichloroethene +	96	1.802	1.808	(0.404)	210641	46.8775	46.9	7486
11 Methyl Iodide	142	1.810	1.813	(0.406)	175120	55.6656	55.7	4547
12 Acrylonitrile	53	1.841	1.847	(0.413)	285511	225.800	226	7997(A)
13 Methylene Chloride	49	1.886	1.886	(0.423)	289842	49.0008	49.0	8916
14 1,1,2Trichlotrifluoroethane	101	1.916	1.916	(0.429)	249091	47.4918	47.5	8226

166940

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	15 Methyl Acetate	43	1.925	1.925	(0.431)	109384	47.1538	47.2	9358
	16 Carbon Disulfide	76	1.969	1.975	(0.441)	750923	47.1921	47.2	8630
	17 trans-1,2-Dichloroethene	61	2.265	2.265	(0.508)	350875	48.1173	48.1	9420
	18 MTBE	73	2.360	2.363	(0.529)	839258	48.4536	48.5	8778
	19 1,1-Dichloroethane ++	63	2.429	2.432	(0.544)	464683	50.4715	50.5	9621
	20 Vinyl Acetate	43	2.583	2.583	(0.579)	263532	57.6417	57.6	
	22 Hexane	57	2.770	2.770	(0.621)	363594	54.4909	54.5	9162
	23 2-Butanone	43	2.772	2.778	(0.621)	320744	51.5170	51.5	
	24 cis-1,2-Dichloroethene	61	2.878	2.887	(0.645)	367987	49.5334	49.5	8681
	25 Bromochloromethane	128	3.018	3.024	(0.676)	101200	48.3481	48.3	9543
	26 Chloroform +	83	3.076	3.079	(0.689)	537191	49.6226	49.6	9360
	27 2,2-Dichloropropane	77	3.135	3.138	(0.703)	458030	48.2801	48.3	9002
$	28 Dibromofluoromethane	111	3.191	3.194	(0.715)	280514	51.3354	51.3	6501
$	31 1,2-Dichloroethane-d4	67	3.620	3.623	(0.811)	187563	46.4769	46.5	9469
	32 1,2-Dichloroethane	62	3.698	3.696	(0.829)	450428	47.7550	47.8	9497
	33 1,1,1-Trichloroethane	97	3.782	3.779	(0.848)	445057	48.3142	48.3	5172
	34 1,1-Dichloropropene	75	3.988	3.991	(0.894)	395795	48.4670	48.5	8670
	35 Cyclohexane	56	4.038	4.039	(0.905)	387832	49.1381	49.1	6872
	38 Carbon Tetrachloride	117	4.136	4.136	(0.927)	326037	50.8135	50.8	9261
	40 Benzene	78	4.200	4.200	(0.941)	1086000	47.8798	47.9	8244
*	41 FLUOROBENZENE	96	4.462	4.460	(1.000)	1148216	50.0000		9470
	46 Dibromomethane	93	4.786	4.792	(1.072)	156091	39.0927	39.1	9542
	48 1,2-Dichloropropane +	63	4.853	4.853	(1.087)	313361	48.7598	48.8	9440
	49 Trichloroethene	130	4.908	4.911	(1.100)	320914	54.2133	54.2	9522
	50 Bromodichloromethane	83	4.953	4.953	(1.110)	496053	51.2690	51.3	9275
	53 2-Chloroethyl vinyl ether	63	5.405	5.405	(1.211)	427414	51.9409	51.9	9604
	54 1-Bromo-2-chloroethane	63	5.405	5.408	(1.211)	427414	51.1480	51.1	9678
	55 Methyl cyclohexane	83	5.441	5.444	(1.219)	593051	52.3190	52.3	9170
	56 cis-1,3-Dichloropropene	75	5.739	5.740	(1.286)	551510	52.1839	52.2	
	58 4-methyl-2-pentanone	43	5.965	5.966	(1.337)	240772	49.2749	49.3	
	99 trans-1,3-Dichloropropene	75	6.280	6.283	(0.761)	508532	52.9044	52.9	
	64 1,1,2-Trichloroethane	97	6.409	6.409	(0.777)	257614	49.5144	49.5	9602
$	68 Toluene-d8	98	6.548	6.551	(0.794)	1294191	56.5671	56.6	9571
	69 Toluene +	91	6.629	6.629	(0.803)	1327096	48.1271	48.1	9155
	70 1,3-Dichloropropane	76	6.702	6.705	(0.812)	473262	49.6615	49.7	9238
	72 Dibromochloromethane	129	6.933	6.936	(0.840)	289198	51.0469	51.0	9344
	74 2-Hexanone	43	7.031	7.025	(0.852)	190026	51.5494	51.5	9163
	77 1,2-Dibromoethane(EDB)	107	7.204	7.209	(0.873)	247395	49.7590	49.8	9735
	81 Tetrachloroethene	164	7.466	7.463	(0.905)	226097	56.0547	56.1	9631
	84 1,1,1,2-Tetrachloroethane	133	8.207	8.213	(0.995)	283756	51.1078	51.1	9624
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	594530	50.0000		9363
	86 Chlorobenzene ++	112	8.291	8.291	(1.005)	825217	49.8781	49.9	9012
	87 1-Chlorohexane	91	8.361	8.364	(1.874)	455203	51.3978	51.4	9411
	88 Ethylbenzene +	106	8.615	8.615	(1.044)	465877	49.5859	49.6	8859
	92 Bromoform ++	173	8.838	8.838	(1.071)	166161	51.8381	51.8	9546
	93 p,m-Xylene	106	8.885	8.894	(1.077)	1108817	98.8151	98.8	9528
M	79 Total 1,2-Dichloroethene	61				718862	97.6639	97.7	0

000480

166941

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
M	80 1-3 Dichloropropene-Total	100				1060042	104.846	105	0
	95 Styrene	104	9.262	9.265	(1.122)	917468	50.0179	50.0	7645
	96 1,1,2,2-Tetrachloroethane++	83	9.323	9.323	(0.858)	290438	50.4246	50.4	8857
	97 o-Xylene	106	9.334	9.337	(1.131)	566336	49.5585	49.6	
	100 1,2,3-Trichloropropane	75	9.471	9.476	(0.872)	282044	50.0381	50.0	7181
	104 trans-1,4-Dichloro-2-Butene	53	9.579	9.582	(0.882)	59319	48.5686	48.6	9407
$	102 Bromofluorobenzene	174	9.730	9.730	(1.179)	344560	51.9394	51.9	9232
	103 Isopropylbenzene	105	9.741	9.744	(1.180)	1393428	52.1293	52.1	9455
	105 Bromobenzene	77	9.875	9.875	(0.909)	656734	50.6300	50.6	9499
	111 n-Propylbenzene	91	10.159	10.162	(0.936)	1908759	53.0273	53.0	8223(M)
	107 2-Chlorotoluene	91	10.185	10.188	(0.938)	1158038	49.8769	49.9	5956(MH)
	108 4-Chlorotoluene	91	10.268	10.268	(0.946)	1187973	51.4623	51.5	9497
	110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.963)	1289576	51.5286	51.5	
	112 tert-butylbenzene	91	10.642	10.645	(0.980)	840869	51.5633	51.6	9314
	113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.990)	1289736	51.0072	51.0	
	114 sec-Butylbenzene	105	10.820	10.821	(0.996)	1563016	49.2967	49.3	
	115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	548594	48.8317	48.8	
*	116 1,4-DICHLOROBENZENE-D4	152	10.859	10.860	(1.000)	403035	50.0000		9508
	117 1,4-Dichlorobenzene	146	10.879	10.879	(1.002)	613938	50.8728	50.9	
	118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	1346928	52.2905	52.3	9403
	119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	577368	51.4654	51.5	
	120 n-Butylbenzene	91	11.286	11.286	(1.039)	1365638	50.4724	50.5	9679
	124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	55061	51.3579	51.4	9129
	122 1,2,4-Trichlorobenzene	180	12.385	12.385	(1.140)	416793	53.0996	53.1	
	123 Napthalene	128	12.530	12.533	(1.154)	890035	52.7040	52.7	9446
	125 Hexachlorobutadiene	225	12.600	12.603	(1.160)	288320	50.9153	50.9	9434
	126 1,2,3-Trichlorobenzene	180	12.655	12.656	(1.165)	375566	52.6866	52.7	
M	127 TOTAL XYLENE	106				1675153	148.374	148	0

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

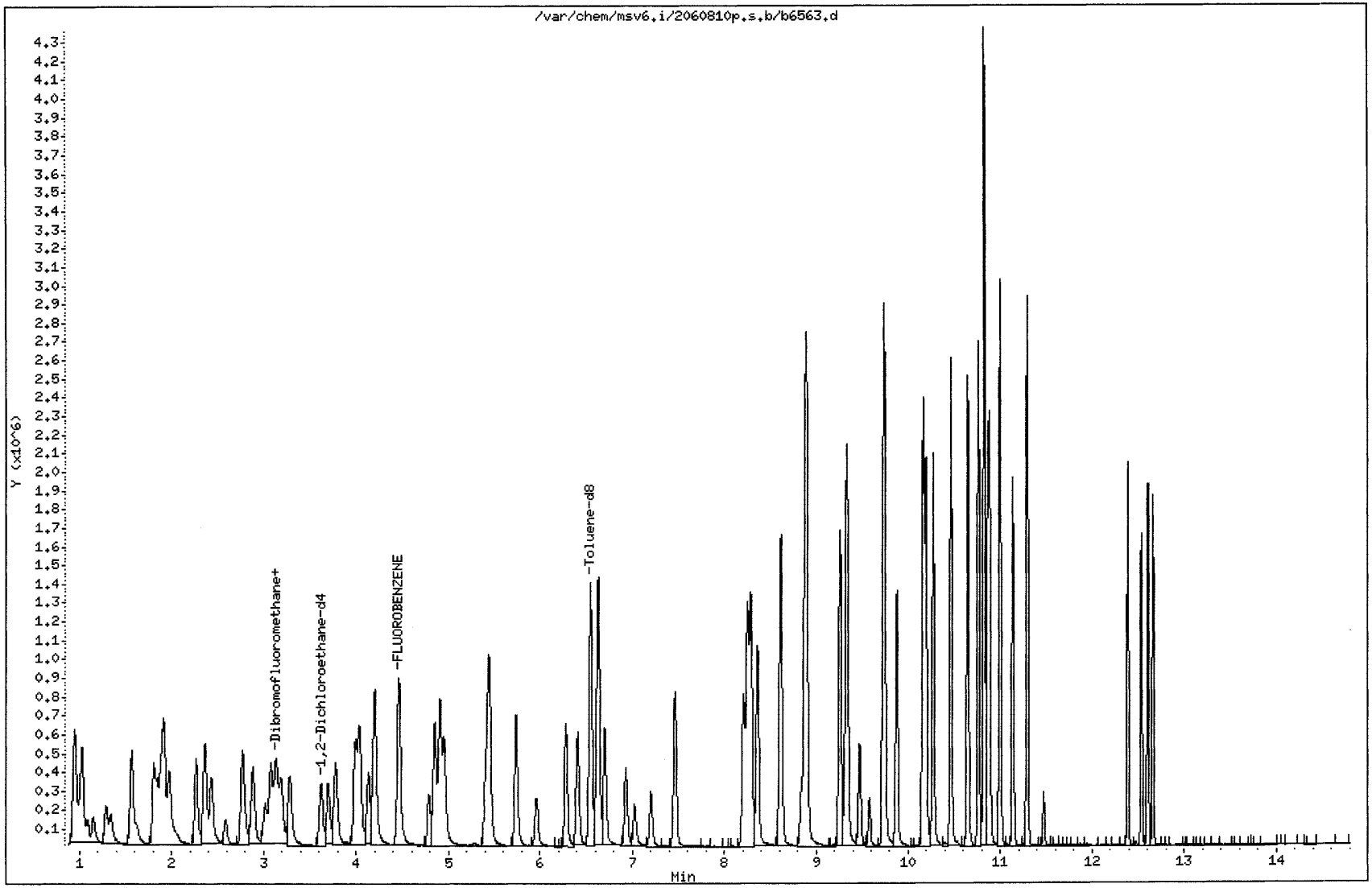
000482

Data File: /var/chem/msv6.i/2060810p.s.b/b6563.d
Date : 10-AUG-2006 21:06
Client ID: 8260ICV
Sample Info: 1600x8260ICV

Instrument: msv6.i

Operator: RJO
Column diameter: 0.53

Column phase: DB-624-30M

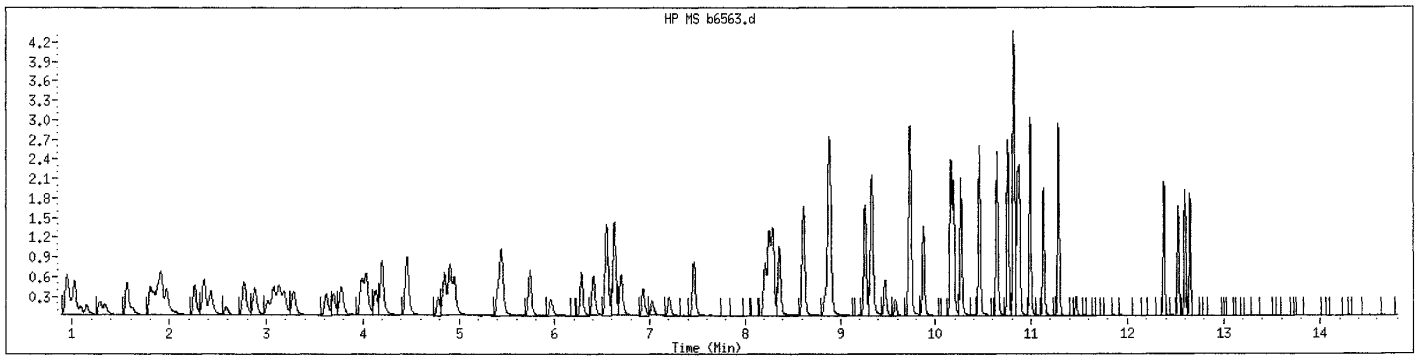


166943

Data file : /var/chem/msv6.i/2060810p.s.b/b6563.d Page: 1
Report Date: 08/11/2006 18:11

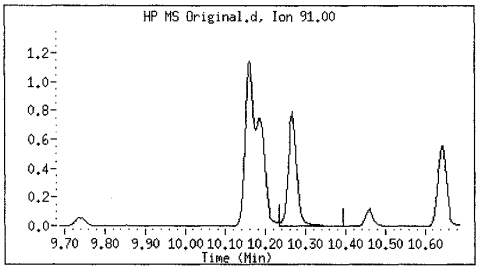
MANUAL INTEGRATION GRAPHIC REPORT

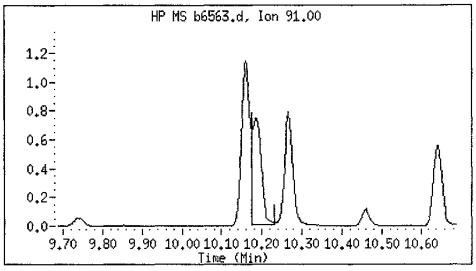
Lab ID : 1600 SampleType : LCS
Injection Date: 10-AUG-2006 21:06 Instrument : msv6.i
Operator : RJO
Sample Info : 1600*8260ICV
Misc Info : MSV~8845~*1*ABD
Method : /var/chem/msv6.i/2060810p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



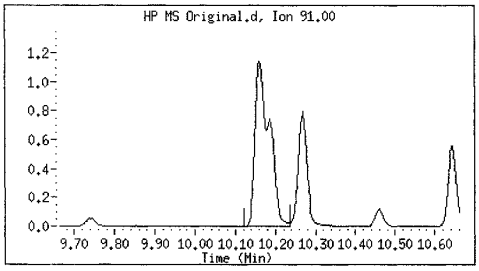
Original Final

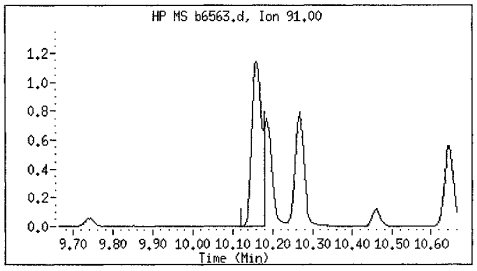
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





000483

166944

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv6.i Injection Date: 11-AUG-2006 12:13
Lab File ID: b6593.d Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Analysis Type: SOIL Init. Cal. Times: 17:59 20:03
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv6.i/2060811p.s.b/8260Bs6.m

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1	Dichlorodifluoromethane	0.45925	0.55098	0.55098	0.010	19.97500	30.00000	Averaged	
2	Chloromethane ++	0.10256	0.12759	0.12759	0.100	24.40455	50.00000	Averaged	
3	Vinyl Chloride +	0.22269	0.24213	0.24213	0.010	8.72698	20.00000	Averaged	
4	Bromomethane	0.23029	0.29249	0.29249	0.005	27.01013	30.00000	Averaged	
5	Chloroethane	0.14591	0.16593	0.16593	0.010	13.72341	30.00000	Averaged	
7	Acrolein	0.01469	0.01475	0.01475	0.001	0.37548	40.00000	Averaged	
6	Trichlorofluoromethane	0.45428	0.55470	0.55470	0.010	22.10521	30.00000	Averaged	
8	Acetone	55.11275	50.00000	0.11214	0.010	10.22550	0.000e+00	Linear	<-
10	1,1-Dichloroethene +	0.19567	0.22371	0.22371	0.010	14.32883	20.00000	Averaged	
11	Methyl Iodide	63.15450	50.00000	0.17610	0.010	26.30900	0.000e+00	Quadratic	<-
12	Acrylonitrile	0.05506	0.05439	0.05439	0.010	-1.22357	40.00000	Averaged	
13	Methylene Chloride	59.65799	50.00000	0.29972	0.100	19.31597	0.000e+00	Linear	<-
14	1,1,2Trichlotrifluoroethane	0.22839	0.26931	0.26931	0.010	17.91385	30.00000	Averaged	
15	Methyl Acetate	0.10101	0.09429	0.09429	0.010	-6.65939	30.00000	Averaged	
16	Carbon Disulfide	0.69290	0.70135	0.70135	0.100	1.21930	30.00000	Averaged	
17	trans-1,2-Dichloroethene	0.31754	0.35657	0.35657	0.100	12.29034	30.00000	Averaged	
18	MTBE	0.75425	0.73449	0.73449	0.100	-2.61936	30.00000	Averaged	
19	1,1-Dichloroethane ++	0.40092	0.45398	0.45398	0.100	13.23406	30.00000	Averaged	
20	Vinyl Acetate	0.19909	0.23410	0.23410	0.100	17.58553	30.00000	Averaged	
22	Hexane	74.20788	50.00000	0.42124	0.100	48.41576	0.000e+00	Linear	<-
23	2-Butanone	63.89629	50.00000	0.34307	0.050	27.79257	0.000e+00	Linear	<-
24	cis-1,2-Dichloroethene	0.32350	0.35709	0.35709	0.100	10.38043	30.00000	Averaged	
25	Bromochloromethane	0.09115	0.09400	0.09400	0.050	3.13268	30.00000	Averaged	
26	Chloroform +	0.47141	0.51139	0.51139	0.100	8.48179	20.00000	Averaged	
27	2,2 Dichloropropane	0.41312	0.44692	0.44692	0.100	8.18387	30.00000	Averaged	
28	Dibromofluoromethane	0.23795	0.24943	0.24943	0.100	4.82327	30.00000	Averaged	
31	1,2 Dichloroethane-d4	0.17573	0.17369	0.17369	0.010	-1.16164	30.00000	Averaged	
32	1,2-Dichloroethane	0.41073	0.43400	0.43400	0.100	5.66596	30.00000	Averaged	
33	1,1,1-Trichloroethane	0.40113	0.45066	0.45066	0.100	12.34669	30.00000	Averaged	
34	1,1 Dichloropropene	0.35561	0.41864	0.41864	0.100	17.72517	30.00000	Averaged	
35	Cyclohexane	0.34369	0.40885	0.40885	0.100	18.95627	30.00000	Averaged	
38	Carbon Tetrachloride	0.27941	0.32270	0.32270	0.100	15.49548	30.00000	Averaged	
40	Benzene	0.98770	1.06783	1.06783	0.100	8.11268	30.00000	Averaged	
46	Dibromomethane	0.17387	0.14475	0.14475	0.100	-16.74965	30.00000	Averaged	
48	1,2-Dichloropropane +	0.27985	0.30465	0.30465	0.100	8.86128	20.00000	Averaged	

166945

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv6.i Injection Date: 11-AUG-2006 12:13
Lab File ID: b6593.d Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Analysis Type: SOIL Init. Cal. Times: 17:59 20:03
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv6.i/2060811p.s.b/8260Bs6.m

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
49 Trichloroethene	60.70588	50.00000	0.31135	0.100	21.41176	0.000e+00	Linear <-
50 Bromodichloromethane	0.42133	0.42395	0.42395	0.100	0.62367	30.00000	Averaged
54 1-Bromo-2-chloroethane	0.36389	0.38712	0.38712	0.010	6.38399	30.00000	Averaged
55 Methyl cyclohexane	0.49360	0.61230	0.61230	0.100	24.04706	30.00000	Averaged
56 cis-1,3-Dichloropropene	0.46022	0.47057	0.47057	0.100	2.24972	30.00000	Averaged
58 4-methyl-2-pentanone	0.21278	0.20715	0.20715	0.100	-2.64695	40.00000	Averaged
59 trans-1,3-Dichloropropene	0.80839	0.81455	0.81455	0.100	0.76219	30.00000	Averaged
64 1,1,2-Trichloroethane	0.43756	0.44021	0.44021	0.100	0.60628	30.00000	Averaged
S 68 Toluene-d8	1.92411	2.19134	2.19134	0.100	13.88813	30.00000	Averaged
69 Toluene +	2.31904	2.51895	2.51895	0.100	8.62032	20.00000	Averaged
70 1,3-Dichloropropane	0.80145	0.83350	0.83350	0.100	3.99821	30.00000	Averaged
72 Dibromochloromethane	0.47646	0.45621	0.45621	0.100	-4.24936	30.00000	Averaged
74 2-Hexanone	0.31002	0.30863	0.30863	0.100	-0.44787	40.00000	Averaged
77 1,2-Dibromoethane(EDB)	0.41813	0.42801	0.42801	0.100	2.36275	30.00000	Averaged
81 Tetrachloroethene	65.68236	50.00000	0.44120	0.100	31.36472	0.000e+00	Linear <-
84 1,1,1,2-Tetrachloroethane	0.46693	0.47974	0.47974	0.100	2.74195	30.00000	Averaged
86 Chlorobenzene ++	1.39141	1.47564	1.47564	0.300	6.05327	50.00000	Averaged
87 1-Chlorohexane	0.38566	0.45944	0.45944	0.100	19.12897	30.00000	Averaged
88 Ethylbenzene +	0.79015	0.87551	0.87551	0.100	10.80313	20.00000	Averaged
92 Bromoform ++	0.26957	0.24577	0.24577	0.100	-8.82874	30.00000	Averaged
93 p,m Xylene	0.94370	1.04358	1.04358	0.100	10.58421	30.00000	Averaged
M 79 Total 1,2-Dichloroethene	0.32052	0.35683	0.35683	0.100	11.32649	30.00000	Averaged
M 80 1,3-Dichloropropene-Total	0.44027	0.44400	0.44400	0.100	0.84677	30.00000	Averaged
95 Styrene	1.54263	1.65618	1.65618	0.100	7.36057	30.00000	Averaged
96 1,1,2,2-Tetrachloroethane++	0.71456	0.75649	0.75649	0.300	5.86856	30.00000	Averaged
97 o-Xylene	0.96106	1.03555	1.03555	0.100	7.75071	30.00000	Averaged
100 1,2,3-Trichloropropane	0.69927	0.71089	0.71089	0.100	1.66258	30.00000	Averaged
104 trans-1,4-Dichloro-2-Butene	46.16748	50.00000	0.13929	0.100	-7.66504	0.000e+00	Linear <-
S 102 Bromofluorobenzene	0.55791	0.57013	0.57013	0.100	2.19014	30.00000	Averaged
103 Isopropylbenzene	2.24801	2.66036	2.66036	0.100	18.34260	30.00000	Averaged
105 Bromobenzene	1.60920	1.73126	1.73126	0.100	7.58541	30.00000	Averaged
111 n-Propylbenzene	4.46559	5.40745	5.40745	0.100	21.09141	30.00000	Averaged
107 2-Chlorotoluene	2.88038	2.87711	2.87711	0.100	-0.11355	30.00000	Averaged
108 4-Chlorotoluene	2.86381	3.19966	3.19966	0.100	11.72732	30.00000	Averaged
110 1,3,5-Trimethylbenzene	3.10474	3.58090	3.58090	0.100	15.33654	30.00000	Averaged

166946

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv6.i Injection Date: 11-AUG-2006 12:13
Lab File ID: b6593.d Init. Cal. Date(s): 10-AUG-2006 10-AUG-2006
Analysis Type: SOIL Init. Cal. Times: 17:59 20:03
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv6.i/2060811p.s.b/8260Bs6.m

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
112	tert-butylbenzene	2.02309	2.37651	2.37651	0.100	17.46934	30.00000	Averaged
113	1,2,4-Trimethylbenzene	3.13687	3.47991	3.47991	0.100	10.93593	30.00000	Averaged
114	sec-Butylbenzene	3.93344	4.37670	4.37670	0.100	11.26886	30.00000	Averaged
115	1,3-Dichlorobenzene	1.39372	1.45423	1.45423	0.100	4.34151	30.00000	Averaged
117	1,4-Dichlorobenzene	1.49715	1.63628	1.63628	0.100	9.29295	30.00000	Averaged
118	p-Isopropyltoluene	3.19557	3.73511	3.73511	0.100	16.88396	30.00000	Averaged
119	1,2-Dichlorobenzene	1.39176	1.48719	1.48719	0.100	6.85681	30.00000	Averaged
120	n-Butylbenzene	3.35667	3.80411	3.80411	0.100	13.32984	30.00000	Averaged
124	1,2-Dibromo-3-Chloropropane	0.13300	0.11649	0.11649	0.100	-12.41756	40.00000	Averaged
122	1,2,4-Trichlorobenzene	0.97377	1.07644	1.07644	0.100	10.54351	30.00000	Averaged
123	Napthalene	2.09503	2.25664	2.25664	0.100	7.71366	30.00000	Averaged
125	Hexachlorobutadiene	0.70251	0.77876	0.77876	0.100	10.85333	30.00000	Averaged
126	1,2,3-Trichlorobenzene	0.88433	0.93167	0.93167	0.100	5.35340	30.00000	Averaged
127	TOTAL XYLENE	0.94949	1.04091	1.04091	0.100	9.62819	30.00000	Averaged

166947

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6592.d
Lab Smp Id: 1000 Client Smp ID: V6BFB01
Inj Date : 11-AUG-2006 11:34
Operator : AJV Inst ID: msv6.i
Smp Info : 1000*V6BFB01
Misc Info : MSV~8854~*1*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/bfb6.m
Meth Date : 02-Aug-2006 14:15 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		
9.702	10.096	(0.000)	95	81002			100.00- 100.00	100.00
9.702	10.096	(0.000)	50	14635			15.00- 40.00	18.07
9.702	10.096	(0.000)	75	45569			30.00- 60.00	56.26
9.702	10.096	(0.000)	96	6425			5.00- 9.00	7.93
9.702	10.096	(0.000)	173	524			0.00- 2.00	0.96
9.702	10.096	(0.000)	174	54861			50.00- 120.00	67.73
9.702	10.096	(0.000)	175	3723			5.00- 9.00	6.79
9.702	10.096	(0.000)	176	54594			95.00- 101.00	99.51
9.702	10.096	(0.000)	177	3839			5.00- 9.00	7.03

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166948

Data File: /var/chem/msv6.i/2060811p.s.b/b6592.d

Date : 11-AUG-2006 11:34

Client ID: V6BFB01

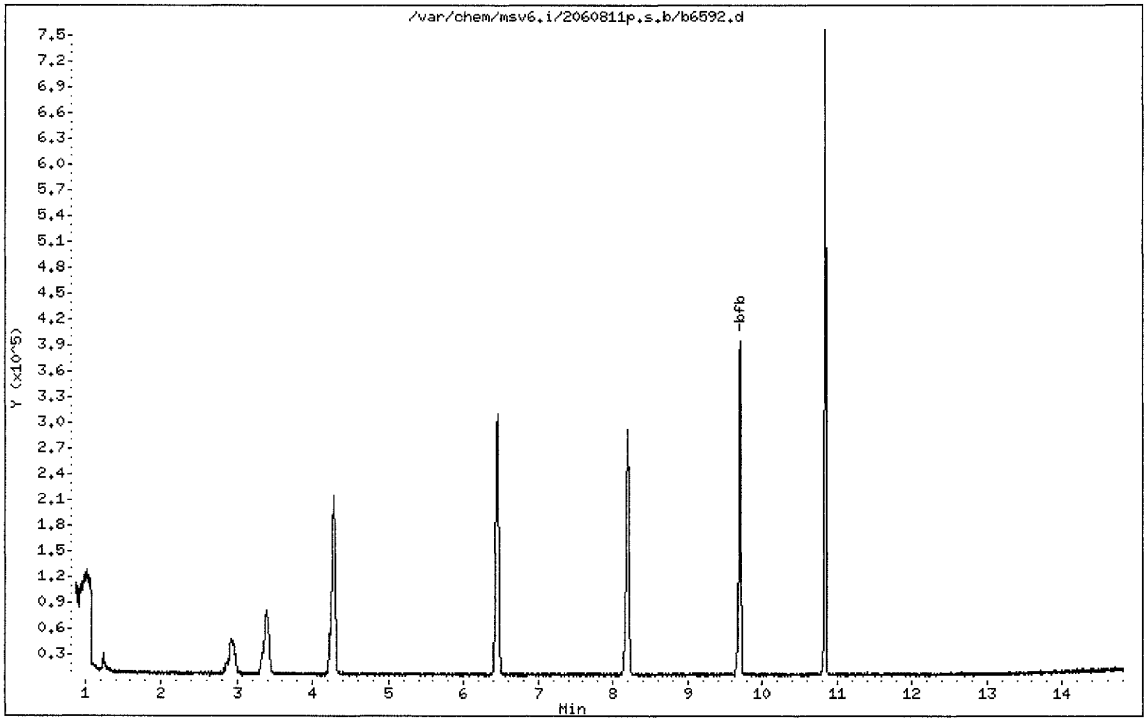
Instrument: msv6.i

Sample Info: 1000xV6BFB01

Operator: AJV

Column phase: DB-VRX-20M

Column diameter: 0.18



Data File: /var/chem/msv6.i/2060811p.s.b/b6592.d

Date : 11-AUG-2006 11:34

Client ID: V6BFB01

Instrument: msv6.i

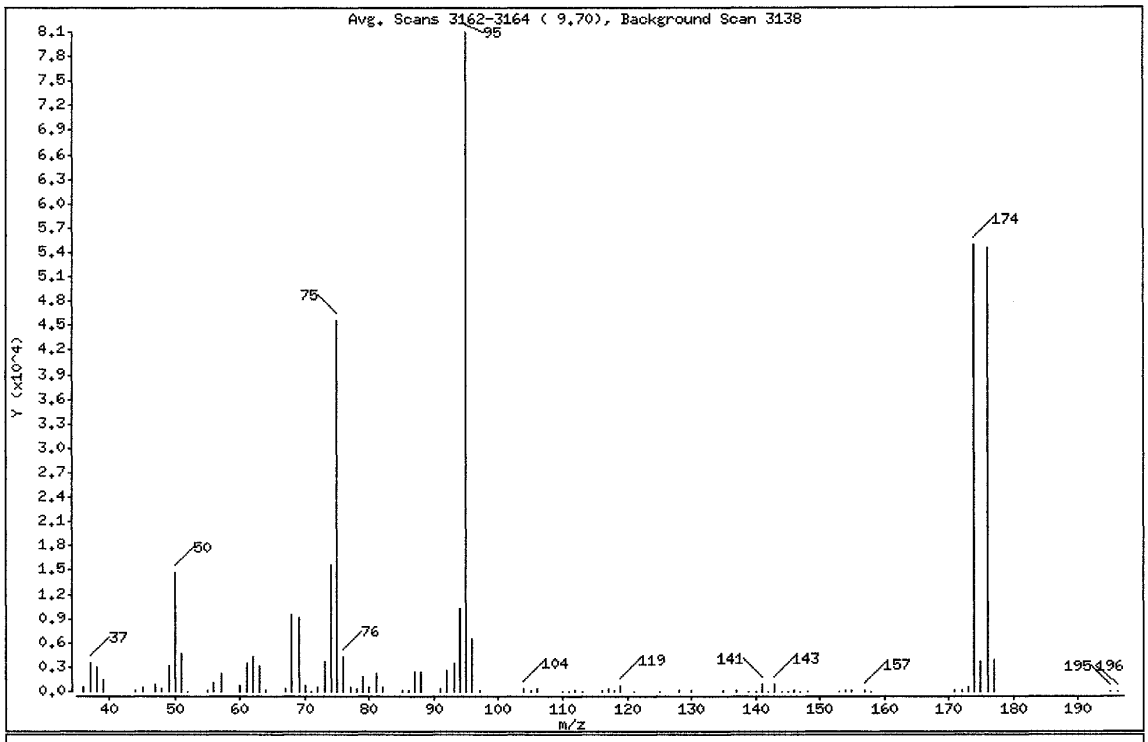
Sample Info: 1000*V6BFB01

Operator: AJV

Column phase: DB-VRX-20M

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.07
75	30.00 - 60.00% of mass 95	56.26
96	5.00 - 9.00% of mass 95	7.93
173	Less than 2.00% of mass 174	0.65 (0.96)
174	50.00 - 120.00% of mass 95	67.73
175	5.00 - 9.00% of mass 174	4.60 (6.79)
176	95.00 - 101.00% of mass 174	67.40 (99.51)
177	5.00 - 9.00% of mass 176	4.74 (7.03)

Data File: /var/chem/msv6.i/20060811p.s.b/b6592.d

Date : 11-AUG-2006 11:34

Client ID: V6BFB01 Instrument: msv6.i

Sample Info: 1000xV6BFB01

Operator: AJV

Column phase: DB-VRX-20M Column diameter: 0.18

Data File: b6592.d
Spectrum: Avg. Scans 3162-3164 (9.70), Background Scan 3138
Location of Maximum: 95.00
Number of points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	589	70.00	776	97.00	225	144.00	88
37.00	3529	71.00	56	104.00	443	145.00	74
38.00	2995	72.00	572	105.00	124	146.00	148
39.00	1555	73.00	3633	106.00	400	147.00	64
44.00	215	74.00	15721	110.00	62	148.00	83
45.00	629	75.00	45568	111.00	54	153.00	70
47.00	896	76.00	4250	112.00	104	154.00	145
48.00	457	77.00	487	113.00	53	155.00	209
49.00	3157	78.00	302	116.00	247	157.00	140
50.00	14635	79.00	1932	117.00	392	158.00	63
51.00	4740	80.00	607	118.00	157	171.00	128
52.00	85	81.00	2143	119.00	773	172.00	155
55.00	268	82.00	527	121.00	61	173.00	524
56.00	1109	85.00	109	125.00	52	174.00	54856
57.00	2268	86.00	126	128.00	264	175.00	3723
60.00	807	87.00	2441	130.00	259	176.00	54592
61.00	3546	88.00	2450	135.00	259	177.00	3839
62.00	4358	91.00	305	137.00	108	195.00	76
63.00	3219	92.00	2522	139.00	65	196.00	75
64.00	253	93.00	3560	140.00	60		
67.00	321	94.00	10156	141.00	1021		
68.00	9469	95.00	81000	142.00	51		
69.00	9167	96.00	6425	143.00	905		

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6593.d
Lab Smp Id: 1400 Client Smp ID: V6STD050STD
Inj Date : 11-AUG-2006 12:13
Operator : AJV Inst ID: msv6.i
Smp Info : 1400*V6STD050STD*5-51-5
Misc Info : MSV~8854~*1*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:15 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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	1.030	1.030	(0.231)	620883	50.0000	60.0	8836
2 Chloromethane ++	50	1.094	1.094	(0.245)	143781	50.0000	62.2	8039
3 Vinyl Chloride +	62	1.155	1.155	(0.259)	272846	50.0000	54.4	9456
4 Bromomethane	94	1.289	1.289	(0.289)	329597	50.0000	63.5	9589
5 Chloroethane	64	1.342	1.342	(0.301)	186983	50.0000	56.9	7962
7 Acrolein	56	1.562	1.562	(0.350)	83088	250.000	251	4560(A)
6 Trichlorofluoromethane	101	1.568	1.568	(0.351)	625071	50.0000	61.1	9693
8 Acetone	43	1.626	1.626	(0.364)	126368	50.0000	55.1	8241
10 1,1-Dichloroethene +	96	1.805	1.805	(0.404)	252088	50.0000	57.2	7415
11 Methyl Iodide	142	1.822	1.822	(0.408)	198444	50.0000	63.2	5094
12 Acrylonitrile	53	1.847	1.847	(0.414)	306436	250.000	247	7935(A)
13 Methylene Chloride	49	1.886	1.886	(0.423)	337746	50.0000	59.7	8922
14 1,1,2Trichlotrifluoroethane	101	1.916	1.916	(0.429)	303474	50.0000	59.0	8151

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	15 Methyl Acetate	43	1.928	1.928	(0.432)	106249	50.0000	46.7	8954
	16 Carbon Disulfide	76	1.975	1.975	(0.443)	790327	50.0000	50.6	8610
	17 trans-1,2-Dichloroethene	61	2.265	2.265	(0.508)	401801	50.0000	56.1	9412
	18 MTBE	73	2.360	2.360	(0.529)	827674	50.0000	48.7	8828
	19 1,1-Dichloroethane ++	63	2.430	2.430	(0.544)	511570	50.0000	56.6	9774
	20 Vinyl Acetate	43	2.588	2.588	(0.580)	263796	50.0000	58.8	
	22 Hexane	57	2.773	2.773	(0.621)	474676	50.0000	74.2	9141
	23 2-Butanone	43	2.775	2.775	(0.622)	386595	50.0000	63.9	
	24 cis-1,2-Dichloroethene	61	2.881	2.881	(0.646)	402387	50.0000	55.2	8675
	25 Bromochloromethane	128	3.024	3.024	(0.678)	105929	50.0000	51.6	9469
	26 Chloroform +	83	3.079	3.079	(0.690)	576267	50.0000	54.2	9452
	27 2,2-Dichloropropane	77	3.138	3.138	(0.703)	503623	50.0000	54.1	9264
$	28 Dibromofluoromethane	111	3.188	3.188	(0.714)	281069	50.0000	52.4	6564
$	31 1,2-Dichloroethane-d4	67	3.615	3.615	(0.810)	195728	50.0000	49.4	9513
	32 1,2-Dichloroethane	62	3.698	3.698	(0.829)	489057	50.0000	52.8	9379
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	507830	50.0000	56.2	5140
	34 1,1-Dichloropropene	75	3.991	3.991	(0.894)	471749	50.0000	58.9	8732
	35 Cyclohexane	56	4.039	4.039	(0.905)	460713	50.0000	59.5	6880
	38 Carbon Tetrachloride	117	4.133	4.133	(0.926)	363639	50.0000	57.7	9320
	40 Benzene	78	4.200	4.200	(0.941)	1203294	50.0000	54.1	8339
*	41 FLUOROBENZENE	96	4.462	4.462	(1.000)	1126863	50.0000		9471
	46 Dibromomethane	93	4.792	4.792	(1.074)	163112	50.0000	41.6	9531
	48 1,2-Dichloropropane +	63	4.853	4.853	(1.087)	343300	50.0000	54.4	9309
	49 Trichloroethene	130	4.911	4.911	(1.101)	350847	50.0000	60.7	9544
	50 Bromodichloromethane	83	4.953	4.953	(1.110)	477739	50.0000	50.3	9391
	54 1-Bromo-2-chloroethane	63	5.402	5.402	(1.211)	436228	50.0000	53.2	9663
	55 Methyl cyclohexane	83	5.447	5.447	(1.221)	689980	50.0000	62.0	9150
	56 cis-1,3-Dichloropropene	75	5.740	5.740	(1.286)	530269	50.0000	51.1	
	58 4-methyl-2-pentanone	43	5.963	5.963	(1.336)	233425	50.0000	48.7	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.761)	470379	50.0000	50.4	
	64 1,1,2-Trichloroethane	97	6.412	6.412	(0.777)	254207	50.0000	50.3	9583
$	68 Toluene-d8	98	6.551	6.551	(0.794)	1265426	50.0000	56.9	9570
	69 Toluene +	91	6.626	6.626	(0.803)	1454613	50.0000	54.3	9099
	70 1,3-Dichloropropane	76	6.702	6.702	(0.812)	481318	50.0000	52.0	9285
	72 Dibromochloromethane	129	6.933	6.933	(0.840)	263446	50.0000	47.9	9334
	74 2-Hexanone	43	7.028	7.028	(0.851)	178223	50.0000	49.8	9180
	77 1,2-Dibromoethane(EDB)	107	7.206	7.206	(0.873)	247164	50.0000	51.2	9700
	81 Tetrachloroethene	164	7.466	7.466	(0.904)	254781	50.0000	65.7	9647
	84 1,1,1,2-Tetrachloroethane	133	8.213	8.213	(0.995)	277032	50.0000	51.4	9619
*	85 Chlorobenzene-d5	82	8.255	8.255	(1.000)	577468	50.0000		9437
	86 Chlorobenzene ++	112	8.288	8.288	(1.004)	852132	50.0000	53.0	9170
	87 1-Chlorohexane	91	8.361	8.361	(1.874)	517721	50.0000	59.6	9484
	88 Ethylbenzene +	106	8.612	8.612	(1.043)	505579	50.0000	55.4	8900
	92 Bromoform ++	173	8.841	8.841	(1.071)	141926	50.0000	45.6	9537
	93 p,m-Xylene	106	8.885	8.885	(1.076)	1205269	100.000	111	9576
M	79 Total 1,2-Dichloroethene	61				804188	100.000	111	0
M	80 1-3 Dichloropropene-Total	100				1000648	100.000	101	0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
95 Styrene	104	9.264	9.264	(1.122)	956389	50.0000	53.7	7673
96 1,1,2,2-Tetrachloroethane++	83	9.323	9.323	(0.858)	297135	50.0000	52.9	8776
97 o-Xylene	106	9.337	9.337	(1.131)	597999	50.0000	53.9	
100 1,2,3-Trichloropropane	75	9.474	9.474	(0.872)	279224	50.0000	50.8	7227
104 trans-1,4-Dichloro-2-Butene	53	9.582	9.582	(0.882)	54710	50.0000	46.2	9183
$ 102 Bromofluorobenzene	174	9.730	9.730	(1.179)	329231	50.0000	51.1	9112
103 Isopropylbenzene	105	9.741	9.741	(1.180)	1536272	50.0000	59.2	9404
105 Bromobenzene	77	9.875	9.875	(0.909)	680003	50.0000	53.8	9502
111 n-Propylbenzene	91	10.160	10.160	(0.936)	2123933	50.0000	60.5	8251(M)
107 2-Chlorotoluene	91	10.188	10.188	(0.938)	1130070	50.0000	49.9	5987(MH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	1256760	50.0000	55.9	9516
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.963)	1406504	50.0000	57.7	
112 tert-butylbenzene	91	10.642	10.642	(0.980)	933442	50.0000	58.7	9286
113 1,2,4-Trimethylbenzene	105	10.759	10.759	(0.991)	1366837	50.0000	55.5	
114 sec-Butylbenzene	105	10.821	10.821	(0.996)	1719075	50.0000	55.6	
115 1,3-Dichlorobenzene	146	10.821	10.821	(0.996)	571192	50.0000	52.2	
* 116 1,4-DICHLOROBENZENE-D4	152	10.860	10.860	(1.000)	392779	50.0000		9516
117 1,4-Dichlorobenzene	146	10.879	10.879	(1.002)	642698	50.0000	54.6	
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	1467074	50.0000	58.4	9349
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	584137	50.0000	53.4	
120 n-Butylbenzene	91	11.286	11.286	(1.039)	1494175	50.0000	56.7	9627
124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	45754	50.0000	43.8	9125
122 1,2,4-Trichlorobenzene	180	12.388	12.388	(1.141)	422803	50.0000	55.3	
123 Napthalene	128	12.530	12.530	(1.154)	886360	50.0000	53.9	9403
125 Hexachlorobutadiene	225	12.602	12.602	(1.160)	305880	50.0000	55.4	9515
126 1,2,3-Trichlorobenzene	180	12.655	12.655	(1.165)	365940	50.0000	52.7	
M 127 TOTAL XYLENE	106				1803268	150.000	164	0

QC Flag Legend

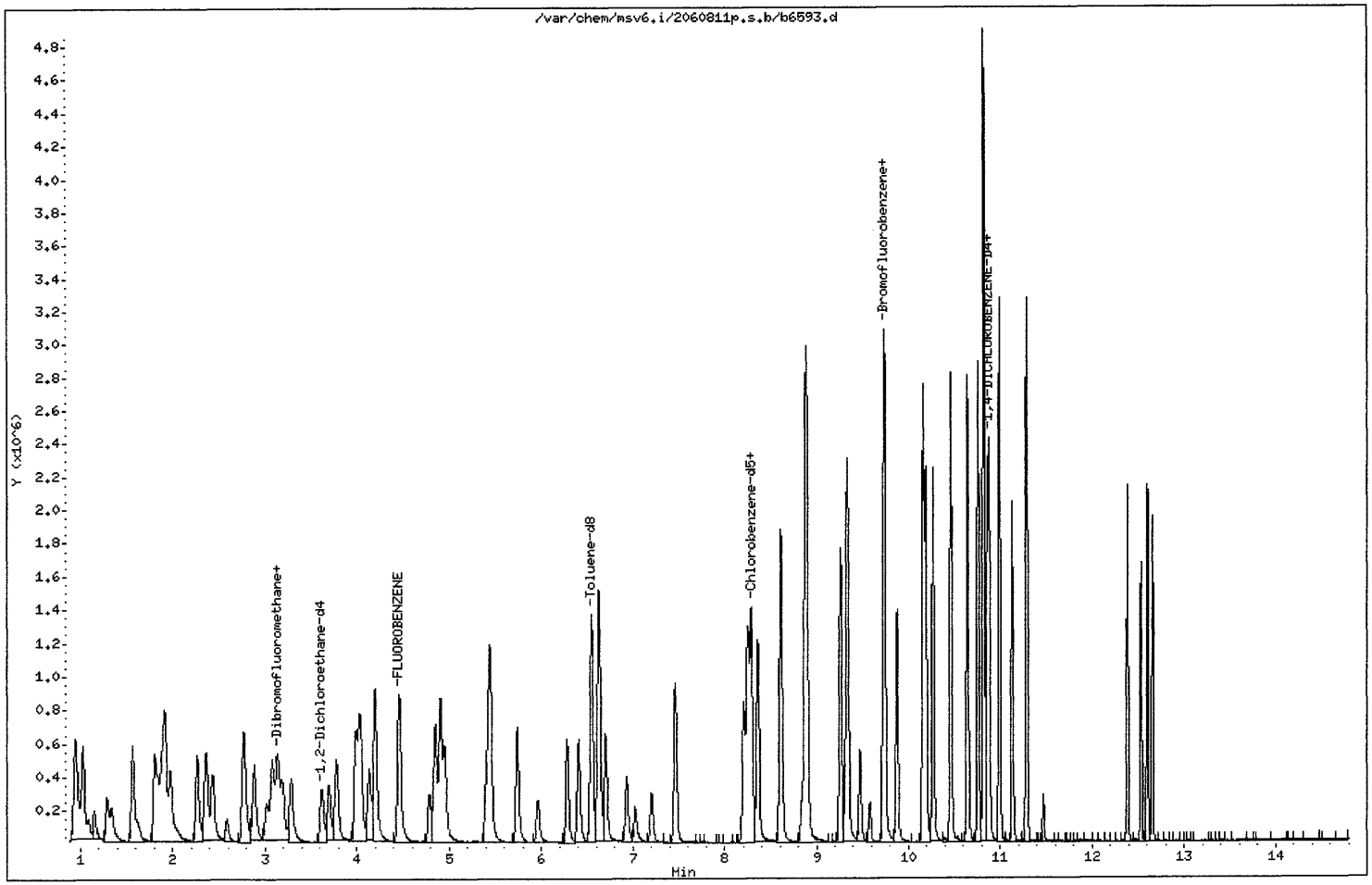
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv6.i/2060811p.s.b/b6593.d
Date : 11-AUG-2006 12:13
Client ID: V6STD050STD
Sample Info: 1400*V6STD050STD*5-51-5

Column phase: DB-624-30M

Instrument: msv6.i

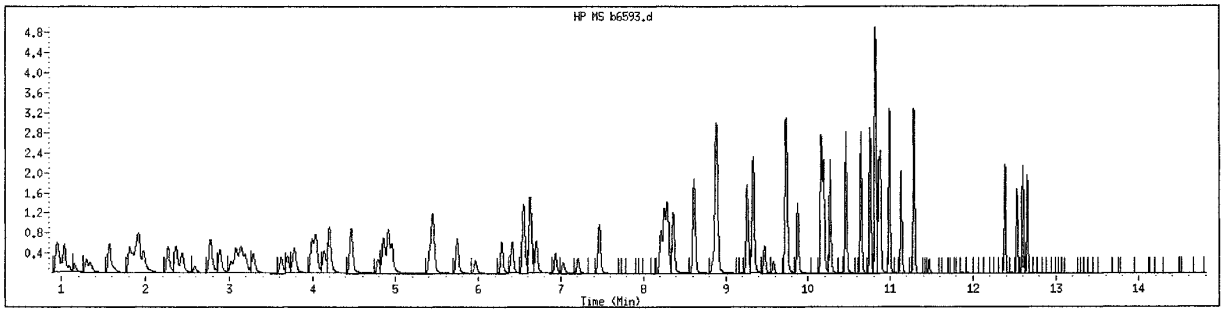
Operator: AJV
Column diameter: 0.53



Data file : /var/chem/msv6.i/2060811p.s.b/b6593.d Page: 1
Report Date: 08/12/2006 11:15

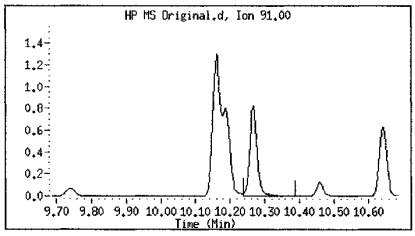
MANUAL INTEGRATION GRAPHIC REPORT

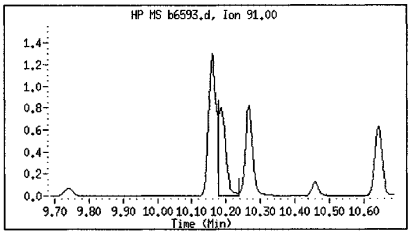
Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 11-AUG-2006 12:13 Instrument : msv6.i
Operator : AJV
Sample Info : 1400*V6STD050STD*5-51-5
Misc Info : MSV~8854~*1*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



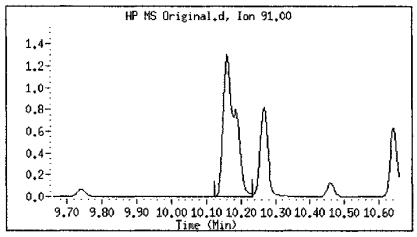
Original Final

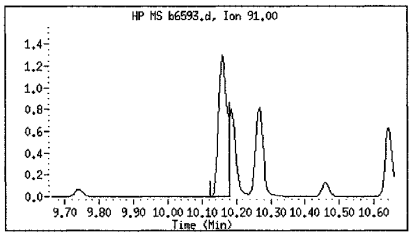
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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166956

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB398294

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398294

Lab File ID: 2060806P/U8541

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1400

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.00415	J	0.00142	0.025
107-02-8	Acrolein	0.025	U	0.00166	0.025
107-13-1	Acrylonitrile	0.025	U	0.00110	0.025
75-27-4	Bromodichloromethane	0.00500	U	0.000219	0.00500
75-25-2	Bromoform	0.00500	U	0.000216	0.00500
74-83-9	Bromomethane	0.00500	U	0.000477	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000098	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000128	0.00500
75-00-3	Chloroethane	0.00500	U	0.000596	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000286	0.00500
67-66-3	Chloroform	0.00500	U	0.000194	0.00500
74-87-3	Chloromethane	0.00500	U	0.000453	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000081	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000354	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000156	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000252	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000205	0.00500
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000163	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000139	0.00500
75-09-2	Methylene chloride	0.000764	J	0.000445	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000238	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000211	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000236	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000227	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000403	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000122	0.00500
78-93-3	2-Butanone	0.00500	U	0.000429	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000212	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000454	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000175	0.00500
100-42-5	Styrene	0.00500	U	0.000135	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB398294

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398294

Lab File ID: 2060806P/U8541

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1400

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.00500	U	0.000227	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000343	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000227	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000378	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000173	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000131	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000190	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000462	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000181	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000185	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000089	0.00500
95-47-6	o-Xylene	0.00500	U	0.000223	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000190	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000206	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000240	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000179	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000121	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000509	0.010
108-87-2	Methylcyclohexane	0.00500	U	0.000130	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000492	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000187	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000196	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.000477	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000360	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000102	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000221	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000218	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000196	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000166	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000211	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000159	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000157	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB398294

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398294

Lab File ID: 2060806P/U8541

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1400

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000125	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000135	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000414	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000240	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000243	0.00500
91-20-3	Naphthalene	0.00500	U	0.000304	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.025	0.025
75-35-4	1,1-Dichloroethene	0.00500	U	0.000229	0.00500
71-43-2	Benzene	0.00500	U	0.000225	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000270	0.00500
108-88-3	Toluene	0.00500	U	0.000213	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000213	0.00500

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8541.d
Lab Smp Id: 398294 Client Smp ID: MB FOR HBN 329645
Inj Date : 06-AUG-2006 14:00
Operator : KCB Inst ID: msv3.i
Smp Info : 398294*MB FOR HBN 329645
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 13:36 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	12 Acetone	43	2.431	2.427	(0.574)	18582	4.15285	4.15	
	18 Methylene Chloride	49	2.705	2.702	(0.639)	74336	0.76444	0.764	7939
	24 Hexane	57	3.043	3.045	(0.719)	23068	1.35786	1.36	7347
$	39 Dibromofluoromethane	111	3.792	3.794	(0.896)	1061351	52.3465	52.3	9568
$	45 1,2-Dichloroethane-d4	67	4.015	4.017	(0.949)	573688	47.5076	47.5	9458
*	48 FLUOROBENZENE	96	4.232	4.234	(1.000)	2691565	50.0000		9262
$	61 Toluene-d8	98	5.302	5.304	(1.253)	2816660	49.3078	49.3	9760
*	71 CHLOROBENZENE-d5	82	6.457	6.459	(1.000)	1263076	50.0000		9454
$	82 Bromofluorobenzene	174	7.578	7.580	(1.174)	1326183	51.4276	51.4	8988
*	97 1,4-DICHLOROBENZENE-D4	152	8.876	8.884	(1.000)	1372122	50.0000		9605

000500

Data File: /var/chem/msv3.i/2060806p.s.b/u8541.d

Page 1

Date : 06-AUG-2006 14:00

Client ID: MB FOR HBN 329645

Instrument: msv3.i

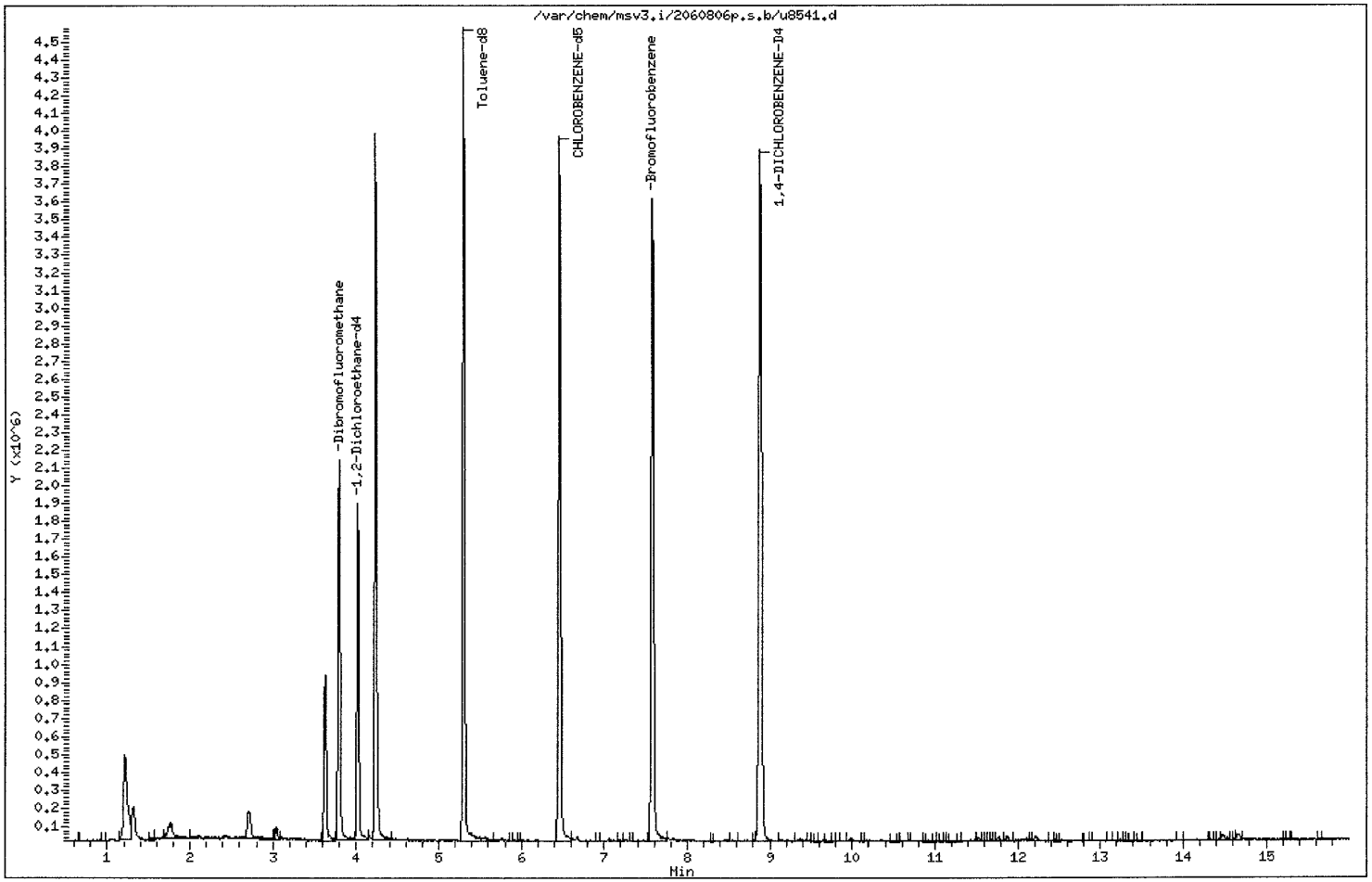
Sample Info: 398294*MB FOR HBN 329645

Purge Volume: 5.0

Operator: KCB

Column phase: DB-624

Column diameter: 0.53



166961

Data File: /var/chem/msv3.i/2060806p.s.b/u8541.d

Date : 06-AUG-2006 14:00

Client ID: MB FOR HBN 329645

Instrument: msv3.i

Sample Info: 398294*MB FOR HBN 329645

Purge Volume: 5.0

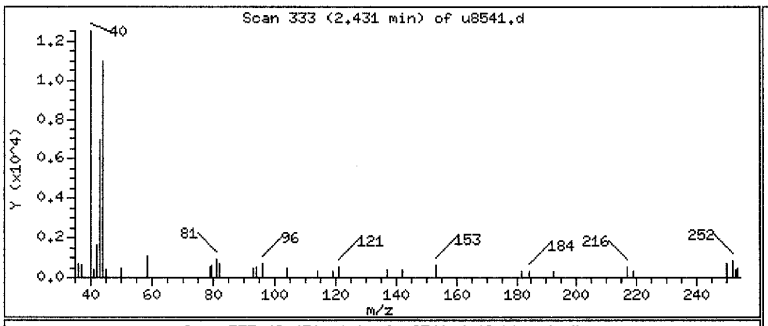
Operator: KCB

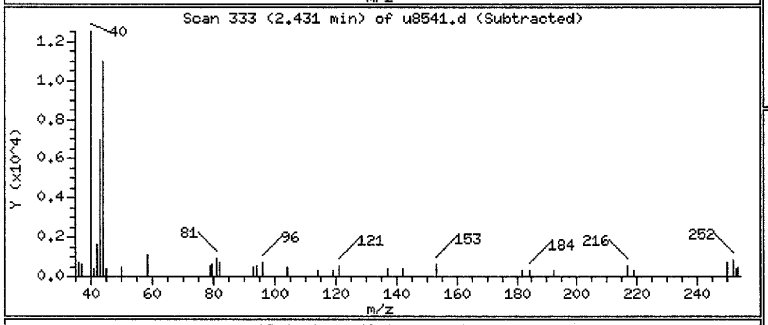
Column phase: DB-624

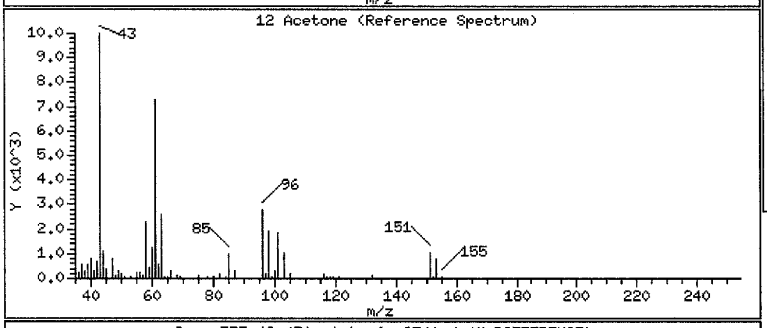
Column diameter: 0.53

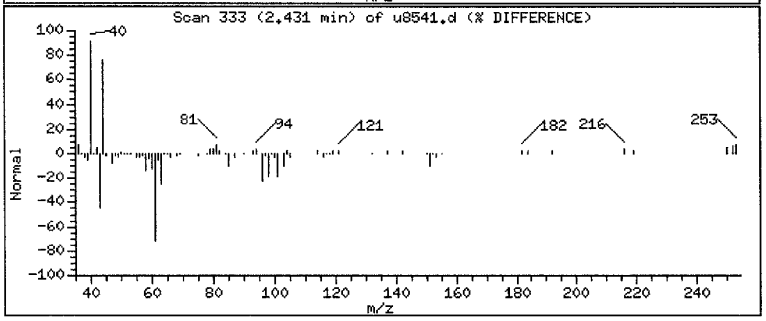
12 Acetone

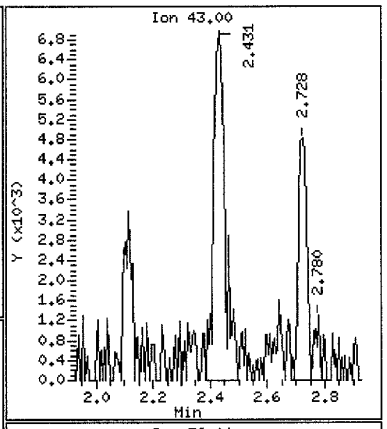
Concentration: 4.15 ug/L

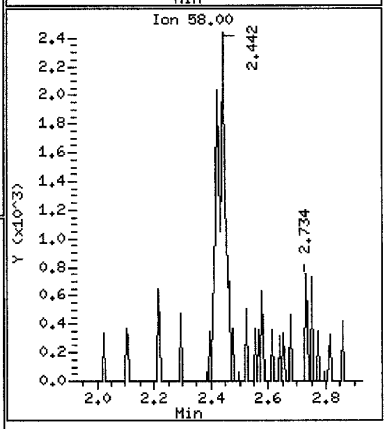












Data File: /var/chem/msv3.i/2060806p.s.b/u8541.d

Date : 06-AUG-2006 14:00

Client ID: MB FOR HBN 329645

Instrument: msv3.i

Sample Info: 398294*MB FOR HBN 329645

Purge Volume: 5.0

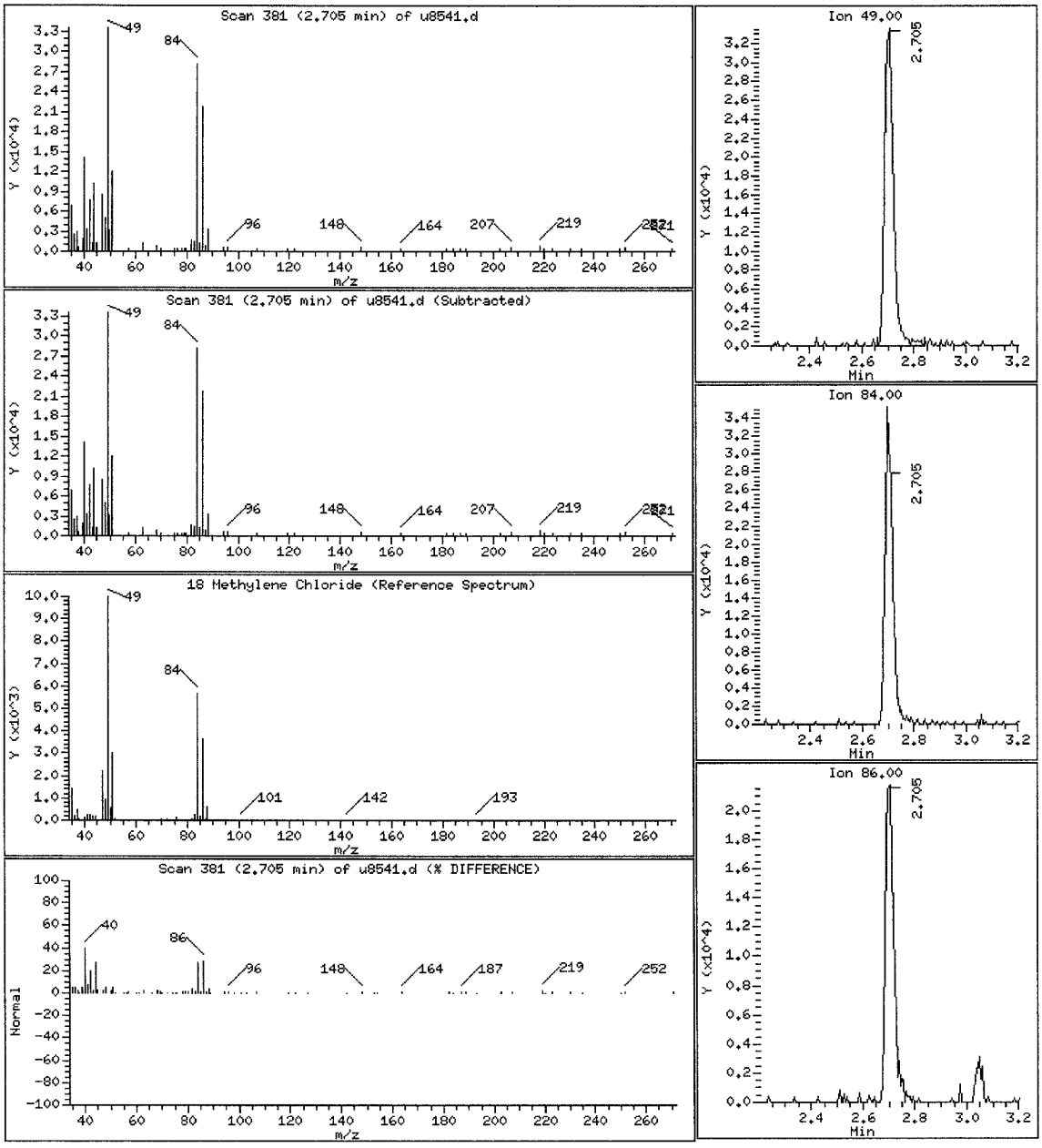
Operator: KCB

Column phase: DB-624

Column diameter: 0.53

18 Methylene Chloride

Concentration: 0.764 ug/L



Data File: /var/chem/msv3.i/2060806p.s.b/u8541.d

Date : 06-AUG-2006 14:00

Client ID: MB FOR HBN 329645

Instrument: msv3.i

Sample Info: 398294*MB FOR HBN 329645

Purge Volume: 5.0

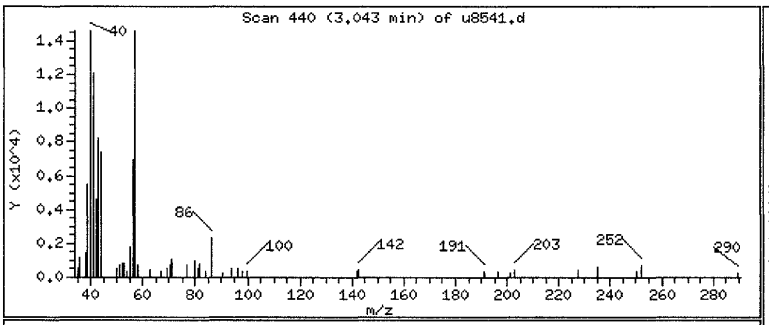
Operator: KCB

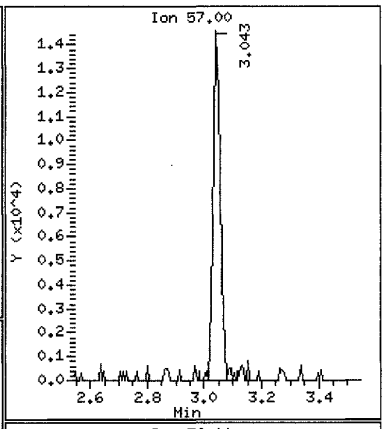
Column phase: DB-624

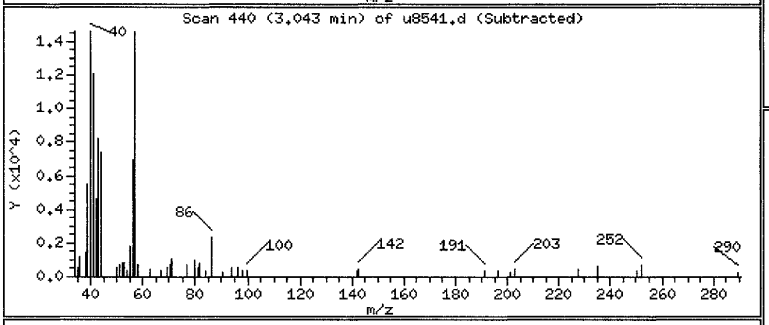
Column diameter: 0.53

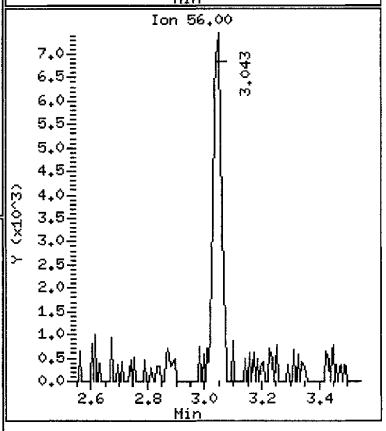
24 Hexane

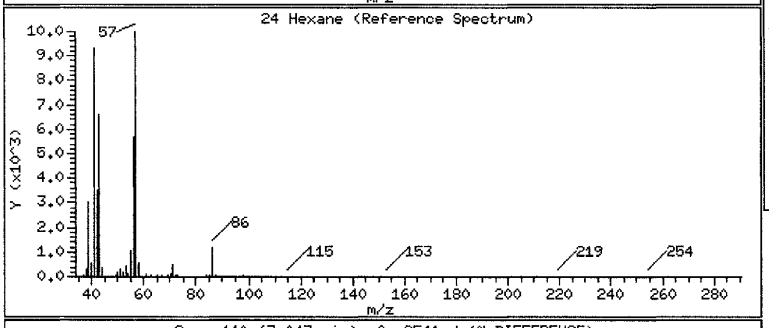
Concentration: 1.36 ug/L

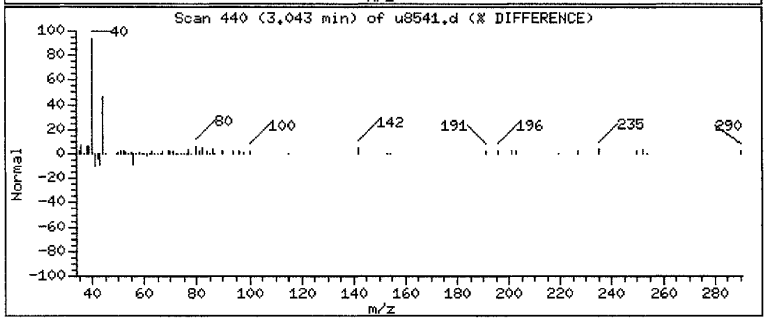












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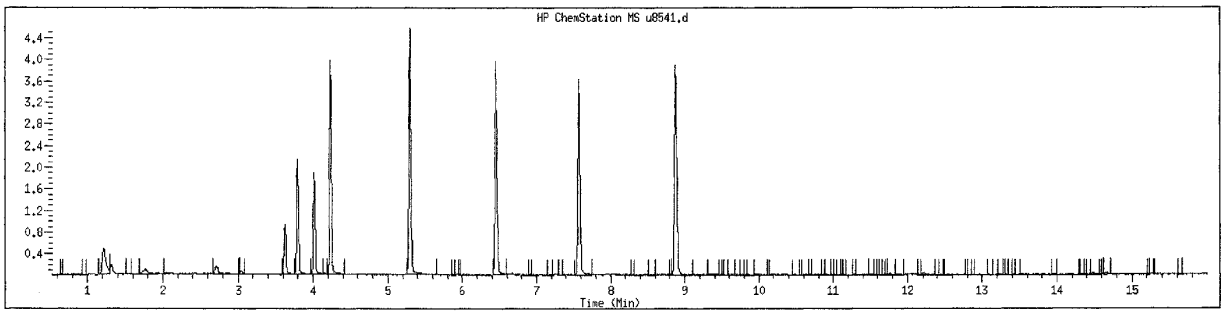
166964

Data file : /var/chem/msv3.i/2060806p.s.b/u8541.d Page: 1
Report Date: 08/06/2006 14:08

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 398294	SampleType	: BLANK
Injection Date	: 06-AUG-2006 14:00	Instrument	: msv3.i
Operator	: KCB		
Sample Info	: 398294*MB FOR HBN 329645		
Misc Info	: MSV~8817~*1*ABD		
Method	: /var/chem/msv3.i/2060806p.s.b/8260Bw3.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

000504

166965

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB400118

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400118

Level: (low/med) LOW

Lab File ID: 2060811/G7239

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 0947

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	0.250	U	0.105	0.250
71-36-3	n-Butyl alcohol	1.25	U	0.050	1.25

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7239.d
Lab Smp Id: 400118 Client Smp ID: MB FOR HBN 330307
Inj Date : 11-AUG-2006 09:47
Operator : VWM Inst ID: msv5.i
Smp Info : 400118*MB FOR HBN 330307
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 14-Aug-2006 16:37 kcb Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	17 Methylene Chloride	49	3.231	3.228	(0.594)	40189	1.29471	64.7	
$	39 Dibromofluoromethane	111	4.818	4.818	(0.886)	415661	52.8735	2640	6203
$	48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	279982	55.1889	2760	
*	52 FLUOROBENZENE	96	5.439	5.435	(1.000)	1034776	50.0000		
$	67 Toluene-d8	98	6.558	6.556	(0.860)	1053393	56.3343	2820	
*	83 CHLOROBENZENE-d5	82	7.624	7.620	(1.000)	552624	50.0000		
$	94 Bromofluorobenzene	174	8.450	8.443	(1.108)	315971	55.5670	2780	
*	111 1,4-DICHLOROBENZENE-D4	152	9.200	9.199	(1.000)	380623	50.0000		

Data File: /var/chem/msv5.i/2060811.s.b/g7239.d

Page 1

Date : 11-AUG-2006 09:47

Client ID: MB FOR HBN 330307

Instrument: msv5.i

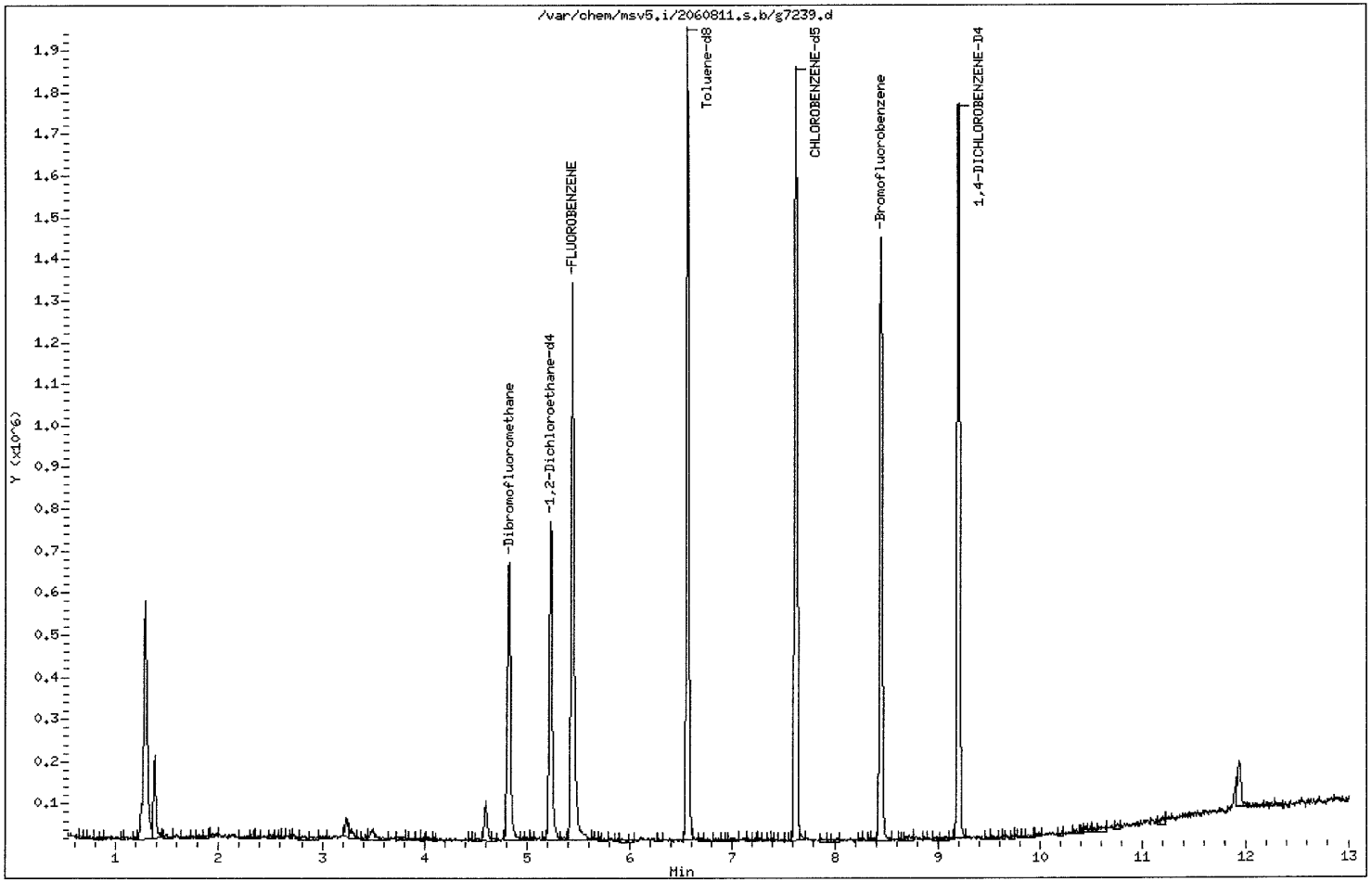
Sample Info: 400118MB FOR HBN 330307

Purge Volume: 5.0

Operator: VWM

Column phase: DB-VRX-30M

Column diameter: 0.53



Data File: /var/chem/msv5.i/2060811.s.b/g7239.d

Date : 11-AUG-2006 09:47

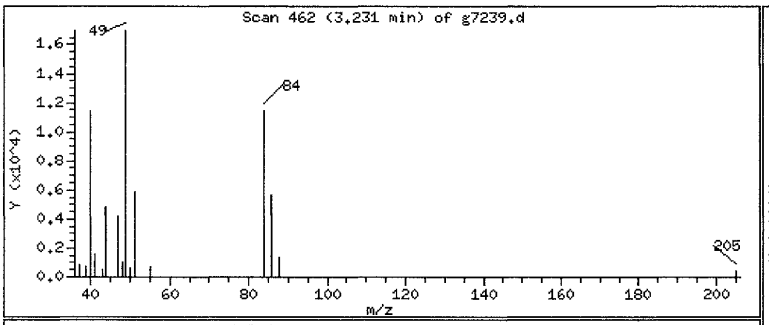
Client ID: MB FOR HBN 330307 Instrument: msv5.i

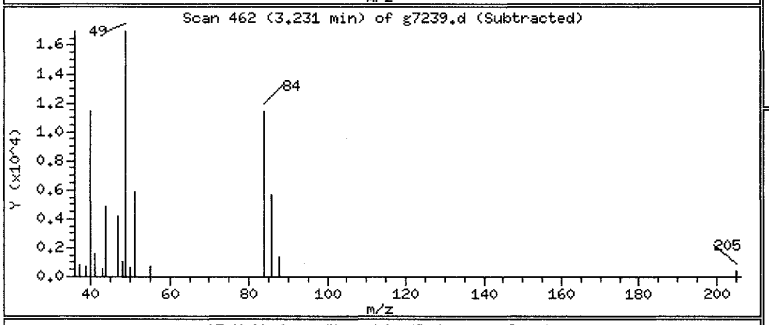
Sample Info: 400118*MB FOR HBN 330307

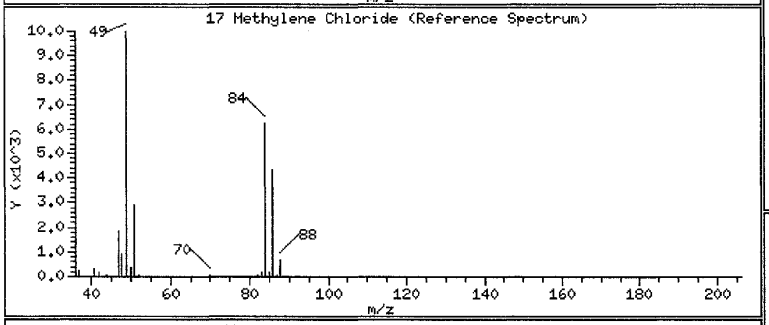
Purge Volume: 5.0 Operator: VWM

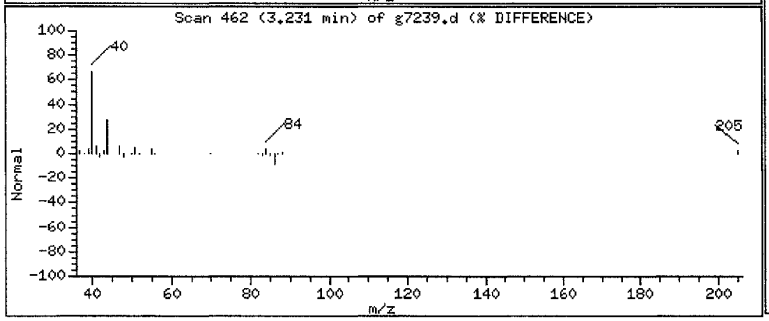
Column phase: DB-VRX-30M Column diameter: 0.53

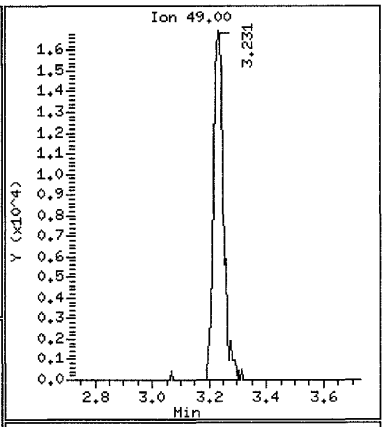
17 Methylene Chloride Concentration: 64.7 UG/KG

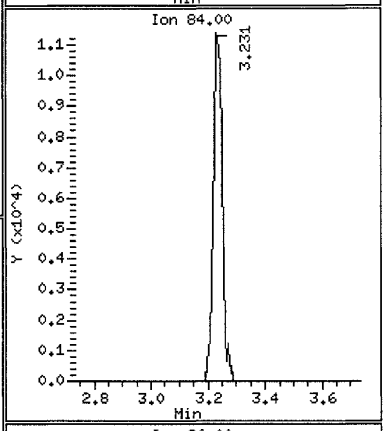


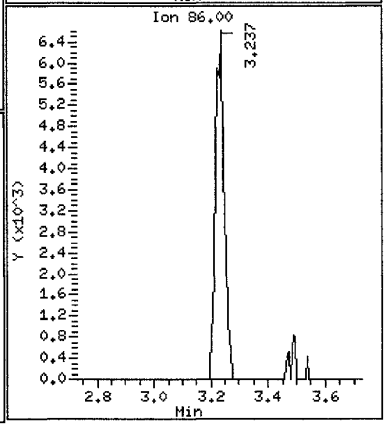












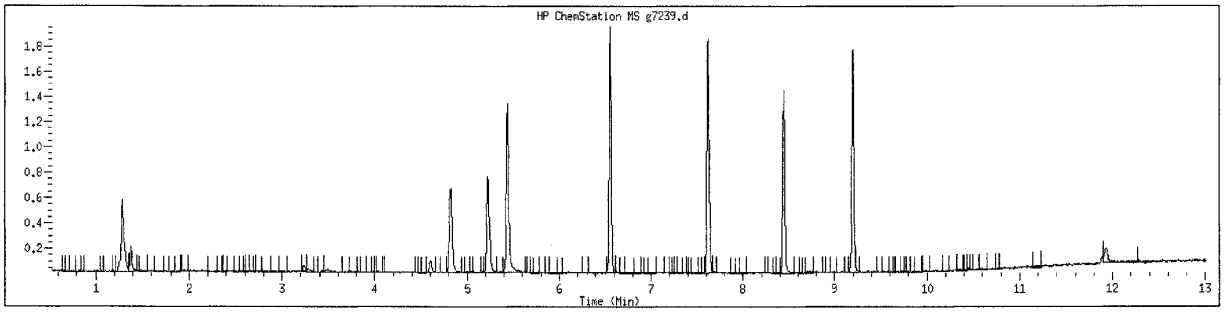
000508

166969

Data file : /var/chem/msv5.i/2060811.s.b/g7239.d Page: 1
Report Date: 08/14/2006 16:37

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 400118 SampleType : BLANK
Injection Date: 11-AUG-2006 09:47 Instrument : msv5.i
Operator : VWM
Sample Info : 400118*MB FOR HBN 330307
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000509

166970

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB400439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400439

Level: (low/med) LOW

Lab File ID: 2060811P/B6597

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1402

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.00160	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	0.00278	J	0.000479	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000141	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000207	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000153	0.00500
78-93-3	2-Butanone	0.00500	U	0.000312	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000173	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000140	0.00500
100-42-5	Styrene	0.00500	U	0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB400439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 400439

Lab File ID: 2060811P/B6597

Date Collected: Time:

Date Received:

Date Analyzed: 08/11/06 Time: 1402

Dilution Factor: 1 Analyst: AJV

Prep Batch: Analytical Batch: 330354

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.

MB400439

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 400439

Lab File ID: 2060811P/B6597

Date Collected: Time:

Date Received:

Date Analyzed: 08/11/06 Time: 1402

Dilution Factor: 1 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000421	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.00125	0.00500
91-20-3	Naphthalene	0.00500	U	0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000359	0.00500
71-43-2	Benzene	0.00500	U	0.000104	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000177	0.00500
108-88-3	Toluene	0.00500	U	0.000550	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6597.d
Lab Smp Id: 400439 Client Smp ID: MB FOR HBN 330354
Inj Date : 11-AUG-2006 14:02
Operator : AJV Inst ID: msv6.i
Smp Info : 400439*MB FOR HBN 330354
Misc Info : MSV~8854~*1*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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
	4 Bromomethane	94	1.303	1.289	(0.292)	6954	1.49884	1.50	3696(a)
	8 Acetone	43	1.626	1.626	(0.365)	12103	1.60010	1.60	5510(a)
	13 Methylene Chloride	49	1.889	1.886	(0.424)	47647	2.77760	2.78	8386(a)
	22 Hexane	57	2.770	2.773	(0.621)	34635	1.27000	1.27	8942(a)
$	28 Dibromofluoromethane	111	3.194	3.188	(0.717)	246677	51.4563	51.5	5883
$	31 1,2-Dichloroethane-d4	67	3.620	3.615	(0.812)	170620	48.1912	48.2	9426
*	41 FLUOROBENZENE	96	4.457	4.462	(1.000)	1007340	50.0000		9487
$	68 Toluene-d8	98	6.551	6.551	(0.794)	1114157	59.3559	59.4	9594
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	487778	50.0000		9455
$	102 Bromofluorobenzene	174	9.730	9.730	(1.179)	291995	53.6487	53.6	9460
*	116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	342958	50.0000		9586

000513

166974

QC Flag Legend

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

Data File: /var/chem/msv6.i/2060811p.s.b/b6597.d

Date : 11-AUG-2006 14:02

Client ID: MB FOR HBN 330354

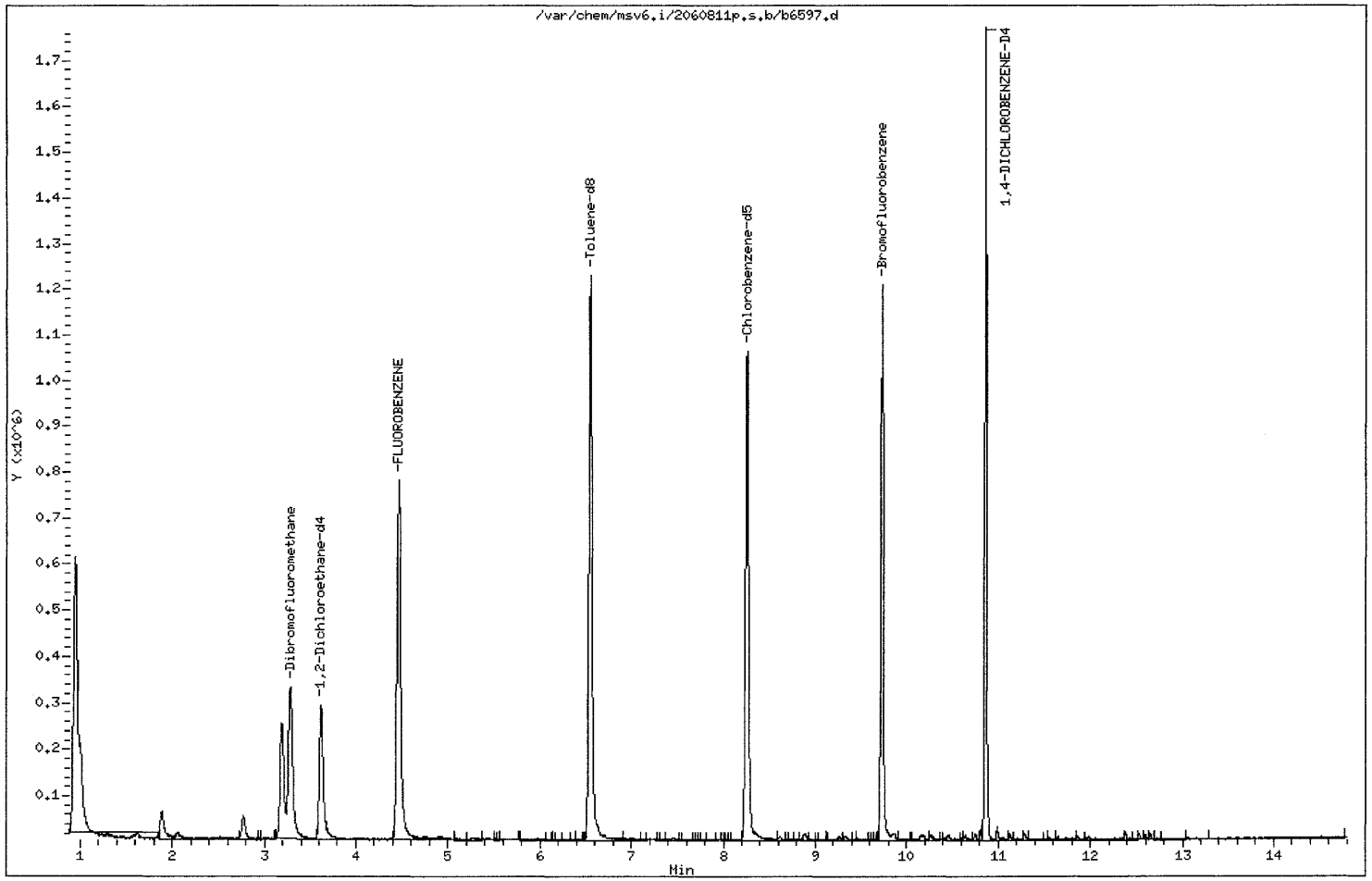
Instrument: msv6.i

Sample Info: 400439*MB FOR HBN 330354

Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv6.i/2060811p.s.b/b6597.d

Date : 11-AUG-2006 14:02

Client ID: MB FOR HBN 330354

Instrument: msv6.i

Sample Info: 400439*MB FOR HBN 330354

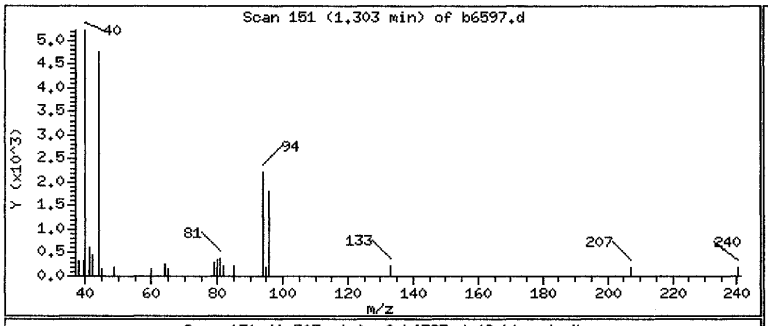
Operator: AJV

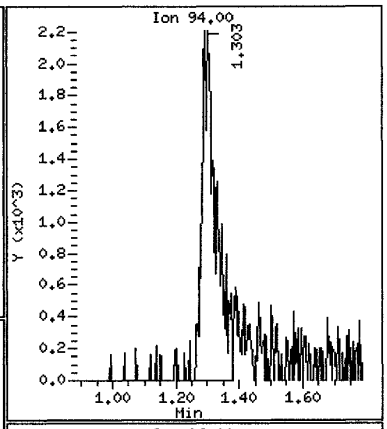
Column phase: DB-624-30M

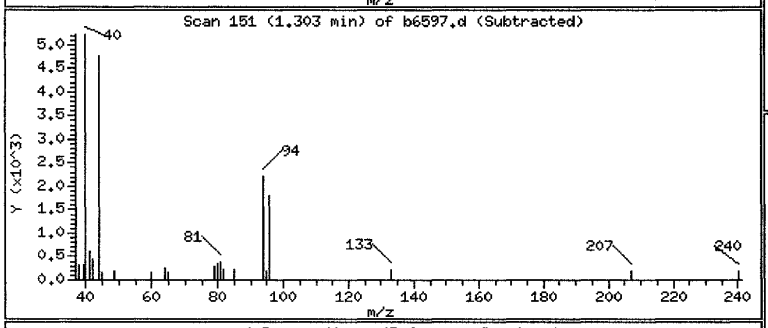
Column diameter: 0.53

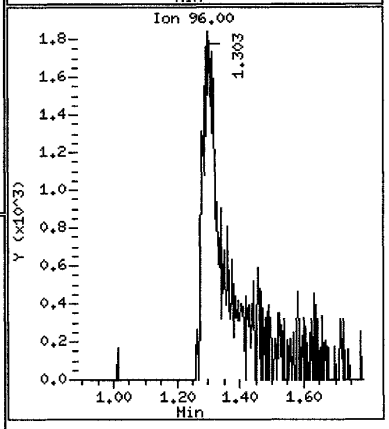
4 Bromomethane

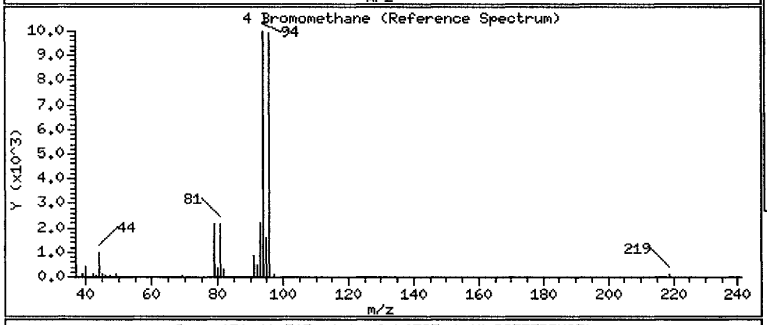
Concentration: 1.50 ug/Kg

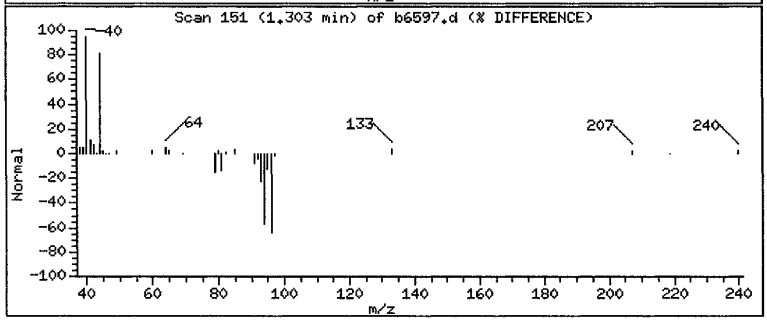












Data File: /var/chem/msv6.i/2060811p.s.b/b6597.d

Date : 11-AUG-2006 14:02

Client ID: MB FOR HBN 330354

Instrument: msv6.i

Sample Info: 400439*MB FOR HBN 330354

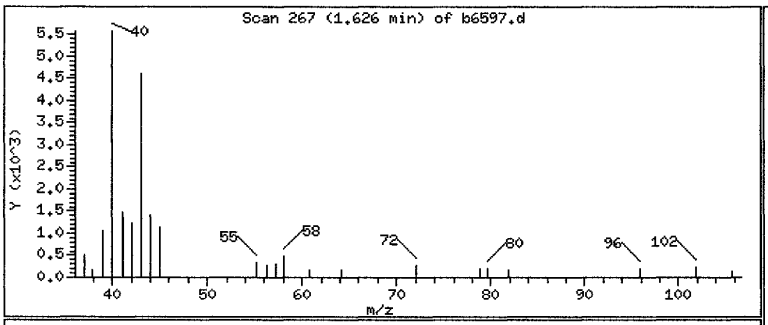
Operator: AJV

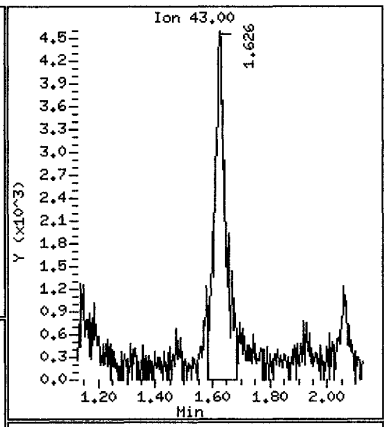
Column phase: DB-624-30M

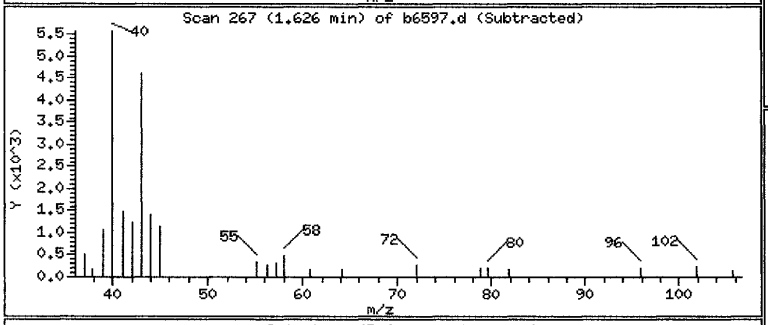
Column diameter: 0.53

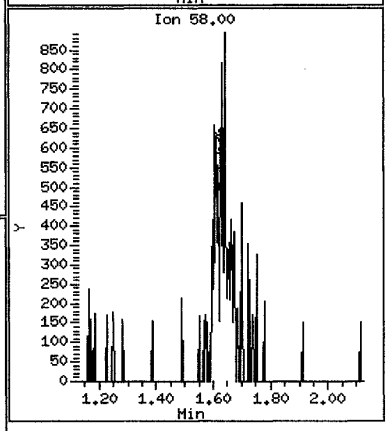
8 Acetone

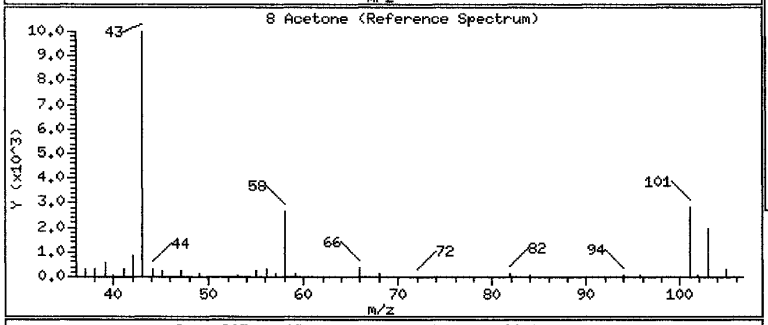
Concentration: 1.60 ug/Kg

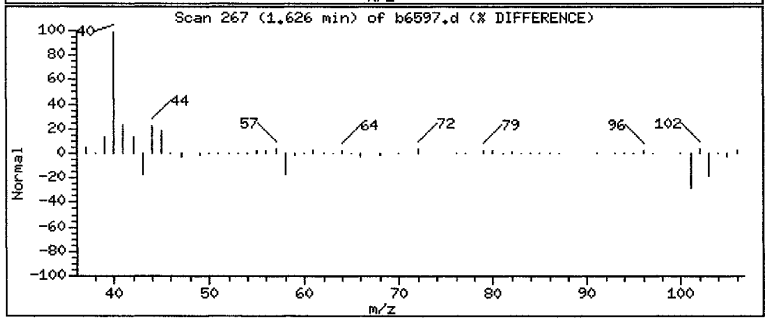












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Data File: /var/chem/msv6.i/2060811p.s.b/b6597.d

Date : 11-AUG-2006 14:02

Client ID: MB FOR HBN 330354

Instrument: msv6.i

Sample Info: 400439*MB FOR HBN 330354

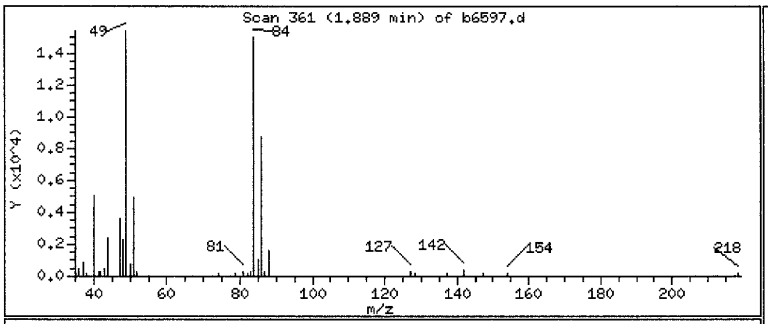
Operator: AJV

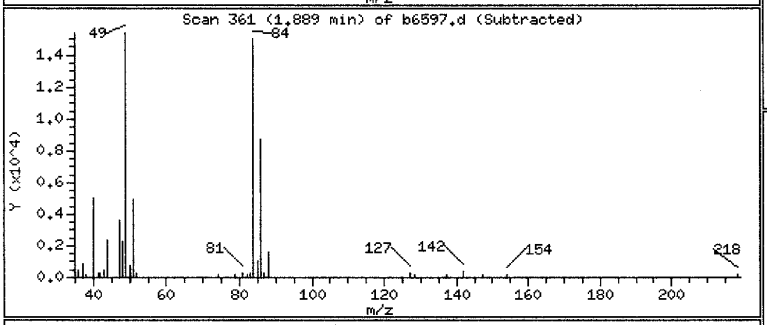
Column phase: DB-624-30M

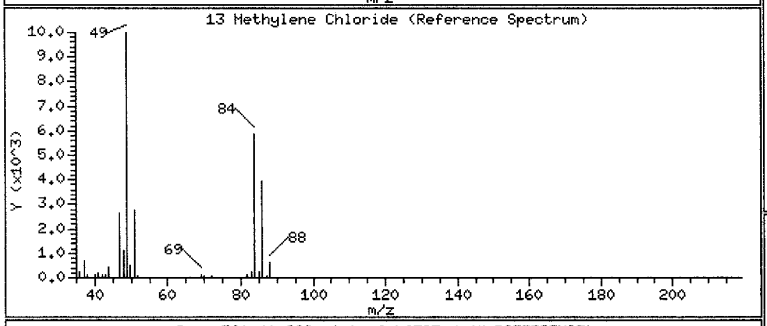
Column diameter: 0.53

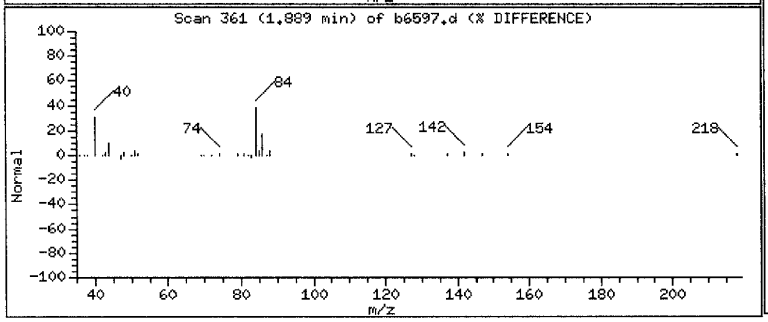
13 Methylene Chloride

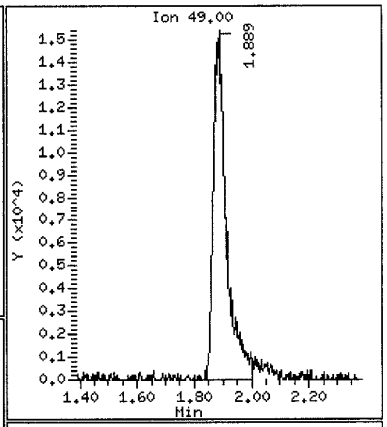
Concentration: 2.78 ug/Kg

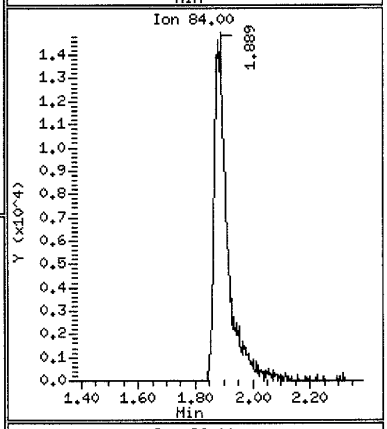


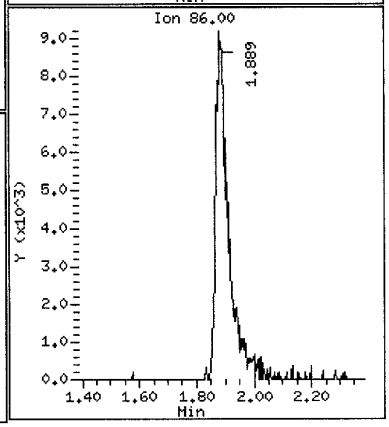












000518

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Data File: /var/chem/msv6.i/2060811p.s.b/b6597.d

Date : 11-AUG-2006 14:02

Client ID: MB FOR HBN 330354

Instrument: msv6.i

Sample Info: 400439*MB FOR HBN 330354

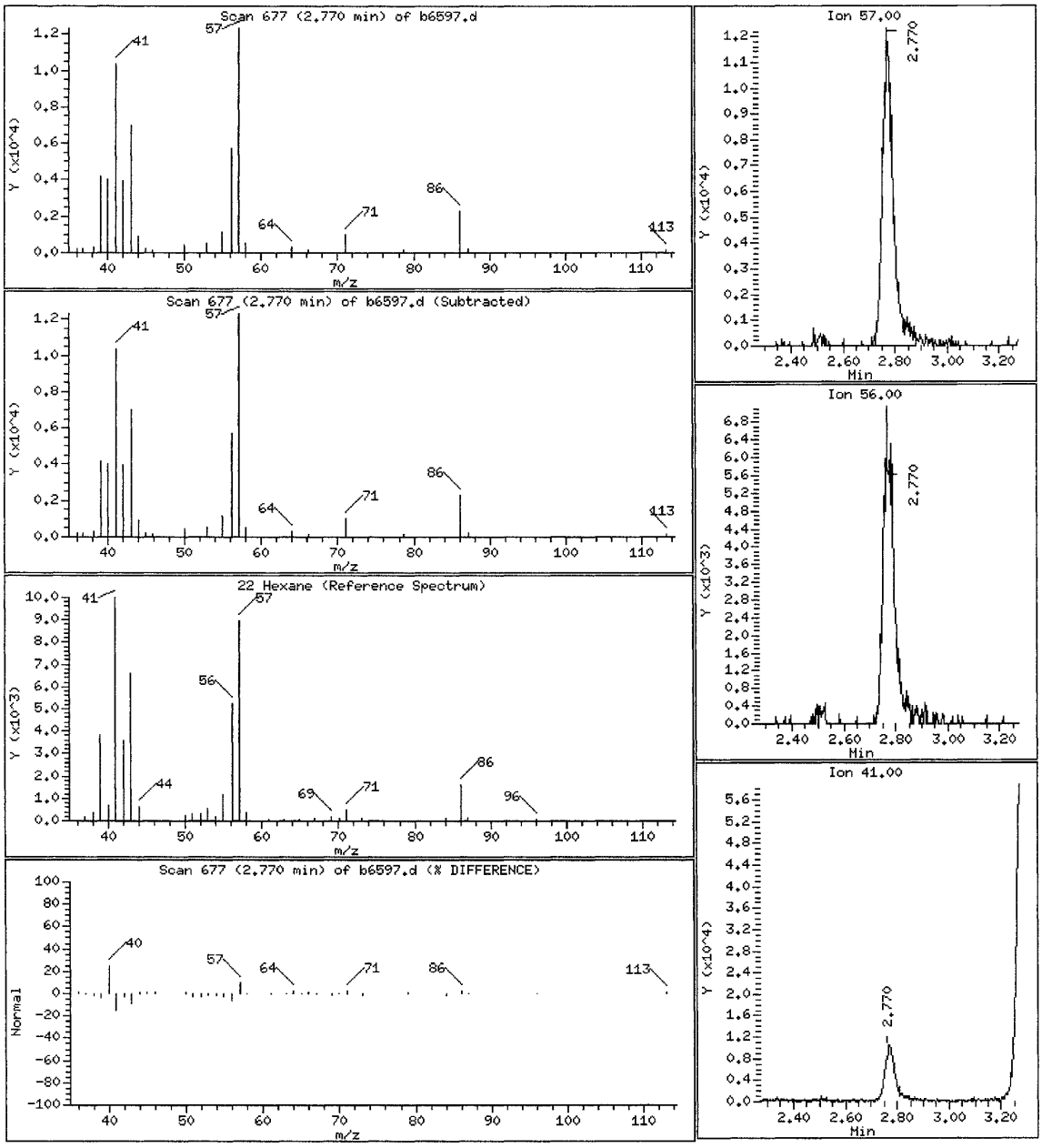
Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53

22 Hexane

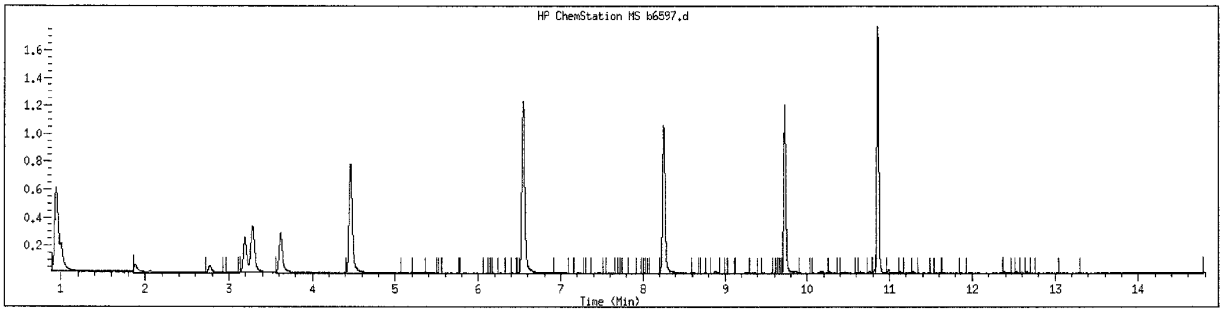
Concentration: 1.27 ug/Kg



Data file : /var/chem/msv6.i/2060811p.s.b/b6597.d Page: 1
Report Date: 08/14/2006 14:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 400439 SampleType : BLANK
Injection Date: 11-AUG-2006 14:02 Instrument : msv6.i
Operator : AJV
Sample Info : 400439*MB FOR HBN 330354
Misc Info : MSV~8854~*1*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

000520

166981

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS398295

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398295

Lab File ID: 2060806P/U8539

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1309

Dilution Factor: 1 Analyst: ABD

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025	J	0.00142	0.025
107-02-8	Acrolein	0.120		0.00166	0.025
107-13-1	Acrylonitrile	0.105		0.00110	0.025
75-27-4	Bromodichloromethane	0.022		0.000219	0.00500
75-25-2	Bromoform	0.024		0.000216	0.00500
74-83-9	Bromomethane	0.071		0.000477	0.00500
75-15-0	Carbon disulfide	0.024		0.000098	0.00500
56-23-5	Carbon tetrachloride	0.024		0.000128	0.00500
75-00-3	Chloroethane	0.024		0.000596	0.00500
136777-61-	m,p-Xylene	0.046		0.000286	0.00500
67-66-3	Chloroform	0.021		0.000194	0.00500
74-87-3	Chloromethane	0.021		0.000453	0.00500
124-48-1	Dibromochloromethane	0.023		0.000081	0.00500
74-95-3	Dibromomethane	0.021		0.000354	0.00500
75-71-8	Dichlorodifluoromethane	0.024		0.000156	0.00500
75-34-3	1,1-Dichloroethane	0.022		0.000252	0.00500
107-06-2	1,2-Dichloroethane	0.020		0.000205	0.00500
156-59-2	cis-1,2-Dichloroethene	0.021		0.000163	0.00500
156-60-5	trans-1,2-Dichloroethene	0.022		0.000139	0.00500
75-09-2	Methylene chloride	0.025		0.000445	0.010
78-87-5	1,2-Dichloropropane	0.021		0.000238	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.023		0.000211	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.024		0.000236	0.00500
100-41-4	Ethylbenzene	0.022		0.000227	0.00500
591-78-6	2-Hexanone	0.019		0.000403	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.024		0.000122	0.00500
78-93-3	2-Butanone	0.018		0.000429	0.00500
74-88-4	Methyl iodide	0.025		0.000212	0.00500
108-10-1	4-Methyl-2-pentanone	0.018		0.000454	0.00500
103-65-1	n-Propylbenzene	0.023		0.000175	0.00500
100-42-5	Styrene	0.023		0.000135	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS398295

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398295

Lab File ID: 2060806P/U8539

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1309

Dilution Factor: 1 Analyst: ABD

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.024		0.000227	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.023		0.000343	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.019		0.000227	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.021		0.000378	0.00500
71-55-6	1,1,1-Trichloroethane	0.023		0.000173	0.00500
79-00-5	1,1,2-Trichloroethane	0.022		0.000131	0.00500
75-69-4	Trichlorofluoromethane	0.023		0.000190	0.00500
96-18-4	1,2,3-Trichloropropane	0.020		0.000462	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.023		0.000181	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.023		0.000185	0.00500
75-01-4	Vinyl chloride	0.023		0.000089	0.00500
95-47-6	o-Xylene	0.024		0.000223	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.019		0.000190	0.00500
106-93-4	1,2-Dibromoethane	0.021		0.000206	0.00500
108-05-4	Vinyl acetate	0.022		0.000240	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.021		0.000179	0.00500
99-87-6	4-Isopropyltoluene	0.024		0.000121	0.00500
1330-20-7	Xylene (total)	0.070		0.000509	0.010
108-87-2	Methylcyclohexane	0.022		0.000130	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.020		0.000492	0.00500
110-82-7	Cyclohexane	0.021		0.000187	0.00500
594-20-7	2,2-Dichloropropane	0.025		0.000196	0.00500
79-20-9	Methyl Acetate	0.020		0.000477	0.00500
76-13-1	Trichlorotrifluoroethane	0.023		0.000360	0.00500
563-58-6	1,1-Dichloropropene	0.023		0.000102	0.00500
110-75-8	2-Chloroethylvinyl ether	0.022		0.000221	0.00500
142-28-9	1,3-Dichloropropane	0.021		0.000218	0.00500
108-86-1	Bromobenzene	0.021		0.000196	0.00500
95-49-8	2-Chlorotoluene	0.022		0.000166	0.00500
106-43-4	4-Chlorotoluene	0.022		0.000211	0.00500
98-06-6	tert-Butylbenzene	0.020		0.000159	0.00500
135-98-8	sec-Butylbenzene	0.023		0.000157	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS398295

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398295

Lab File ID: 2060806P/U8539

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1309

Dilution Factor: 1 Analyst: ABD

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.021		0.000125	0.00500
106-46-7	1,4-Dichlorobenzene	0.021		0.000135	0.00500
104-51-8	n-Butylbenzene	0.023		0.000414	0.00500
95-50-1	1,2-Dichlorobenzene	0.020		0.000240	0.00500
87-68-3	Hexachlorobutadiene	0.022		0.000243	0.00500
91-20-3	Naphthalene	0.020		0.000304	0.00500
75-35-4	1,1-Dichloroethene	0.023		0.000229	0.00500
71-43-2	Benzene	0.021		0.000225	0.00500
79-01-6	Trichloroethene	0.022		0.000270	0.00500
108-88-3	Toluene	0.022		0.000213	0.00500
108-90-7	Chlorobenzene	0.022		0.000213	0.00500

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8539.d
Lab Smp Id: 398295 Client Smp ID: LCS FOR HBN 329645
Inj Date : 06-AUG-2006 13:09
Operator : ABD Inst ID: msv3.i
Smp Info : 398295*LCS FOR HBN 329645
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 13:36 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				1111265	46.8130	46.8	0
1 Dichlorodifluoromethane	85	1.350	1.340	(0.152)	711628	23.6859	23.7	9289
2 Chloromethane ++	50	1.487	1.489	(0.351)	311359	20.4856	20.5	9122
3 Vinyl Chloride +	62	1.567	1.563	(0.370)	343089	22.6708	22.7	9070
5 Bromomethane	94	1.796	1.792	(0.424)	410550	71.4422	71.4	8121(R)
6 Chloroethane	64	1.876	1.872	(0.443)	206038	23.5451	23.5	9111
7 Trichlorofluoromethane	101	2.059	2.055	(0.487)	886077	23.1747	23.2	8482
9 Acrolein	56	2.339	2.330	(0.553)	81708	119.707	120	8039
10 1,1,2Trichlotrifluoroethane	101	2.402	2.393	(0.568)	474487	22.7560	22.8	8329
11 1,1-Dichloroethene +	96	2.402	2.398	(0.568)	349606	23.0189	23.0	7937
12 Acetone	43	2.431	2.427	(0.574)	116404	24.5502	24.6	
13 Methyl Iodide	142	2.511	2.501	(0.593)	821544	25.0560	25.1	9648
14 Carbon Disulfide	76	2.563	2.553	(0.605)	1164934	24.1353	24.1	9508
17 Methyl Acetate	43	2.637	2.633	(0.623)	159442	19.7006	19.7	8530
18 Methylene Chloride	49	2.706	2.702	(0.639)	445738	24.7440	24.7	8822

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	20 Acrylonitrile	53	2.854	2.845	(0.674)	442976	105.028	105	8802
	22 trans-1,2-Dichloroethene	61	2.883	2.873	(0.681)	457371	22.0835	22.1	
	21 MTBE	73	2.877	2.873	(0.680)	716944	20.6893	20.7	8579
	24 Hexane	57	3.049	3.045	(0.720)	424173	23.5626	23.6	9521
	26 1,1-Dichloroethane ++	63	3.140	3.136	(0.742)	551762	22.4087	22.4	6902
	25 Vinyl Acetate	43	3.157	3.153	(0.746)	403890	21.5409	21.5	
	34 cis-1,2-Dichloroethene	61	3.501	3.497	(0.827)	539952	20.5345	20.5	
	35 2,2-Dichloropropane	77	3.506	3.502	(0.828)	537085	24.4890	24.5	8995
	32 2-Butanone	43	3.501	3.497	(0.827)	140635	17.4950	17.5	
M	30 Total 1,2-Dichloroethene	61				997324	42.6180	42.6	0
	37 Bromochloromethane	128	3.655	3.651	(0.864)	226463	21.4647	21.5	7865
	38 Chloroform +	83	3.689	3.691	(0.872)	762421	21.2988	21.3	8904
$	39 Dibromofluoromethane	111	3.798	3.794	(0.897)	1106928	51.5208	51.5	9530
	40 1,1,1-Trichloroethane	97	3.832	3.828	(0.905)	717589	23.1630	23.2	9017
	42 Cyclohexane	56	3.878	3.868	(0.916)	460805	20.4609	20.5	9340
	43 1,1-Dichloropropene	75	3.929	3.925	(0.928)	507012	22.5216	22.5	8633
	44 Carbon Tetrachloride	117	3.941	3.937	(0.931)	762524	23.4734	23.5	8079
$	45 1,2-Dichloroethane-d4	67	4.015	4.017	(0.949)	595879	46.5672	46.6	9576
	46 1,2-Dichloroethane	62	4.067	4.063	(0.961)	638438	20.4064	20.4	8540
	47 Benzene	78	4.067	4.068	(0.961)	1174690	20.5967	20.6	9100
*	48 FLUOROBENZENE	96	4.233	4.234	(1.000)	2852140	50.0000		9178
	49 Trichloroethene	130	4.479	4.480	(1.058)	444565	21.5400	21.5	9219
	51 Methyl Cyclohexane	83	4.616	4.618	(1.091)	537035	22.0937	22.1	9128
	52 1,2-Dichloropropane +	63	4.621	4.623	(1.092)	299705	21.1032	21.1	9232
	55 Dibromomethane	93	4.707	4.703	(1.112)	291462	21.2471	21.2	8846
	56 Bromodichloromethane	83	4.799	4.795	(1.134)	624684	21.6475	21.6	9306
	57 2-Chloroethyl vinyl ether	63	4.976	4.978	(1.176)	207054	21.4810	21.5	9292
	58 1-Bromo-2-chloroethane	63	5.028	5.024	(1.188)	431119	19.1606	19.2	9080
	59 cis-1,3-Dichloropropene	75	5.096	5.098	(1.204)	553222	23.1990	23.2	
	60 4-methyl-2-pentanone	43	5.188	5.184	(1.226)	290903	17.6837	17.7	
$	61 Toluene-d8	98	5.302	5.304	(1.253)	3063055	50.6023	50.6	9757
	62 Toluene +	91	5.354	5.350	(1.265)	1496408	21.4745	21.5	9117
	63 trans-1,3-Dichloropropene	75	5.491	5.487	(1.297)	558042	23.6159	23.6	
	65 1,1,2-Trichloroethane	97	5.634	5.630	(0.872)	331933	22.3521	22.4	9365
	66 1,3-Dichloropropane	76	5.771	5.767	(0.894)	496682	21.2795	21.3	8345
	67 Tetrachloroethene	164	5.777	5.773	(0.895)	431102	24.2237	24.2	8330
	68 2-Hexanone	43	5.805	5.807	(0.899)	201621	18.6298	18.6	
	69 Dibromochloromethane	129	5.960	5.962	(0.923)	568818	22.7900	22.8	9539
	70 1,2-Dibromoethane(EDB)	107	6.074	6.070	(0.941)	380297	21.1272	21.1	9451
	151 1-chlorohexane	91	6.429	6.431	(0.996)	468944	21.5406	21.5	5609
*	71 CHLOROBENZENE-d5	82	6.457	6.459	(1.000)	1379261	50.0000		9345
	72 Chlorobenzene ++	112	6.486	6.488	(1.004)	1057346	21.8028	21.8	9077
	73 1,1,1,2-Tetrachloroethane	133	6.543	6.545	(1.013)	482826	23.2621	23.3	8701
	74 Ethylbenzene +	106	6.566	6.568	(1.017)	547317	21.6887	21.7	
	75 p,m-Xylene	106	6.669	6.671	(1.033)	1310744	45.5080	45.5	
	76 o-Xylene	106	7.052	7.054	(1.092)	668927	24.2860	24.3	
	77 Styrene	104	7.064	7.060	(1.094)	1127603	23.1001	23.1	9416

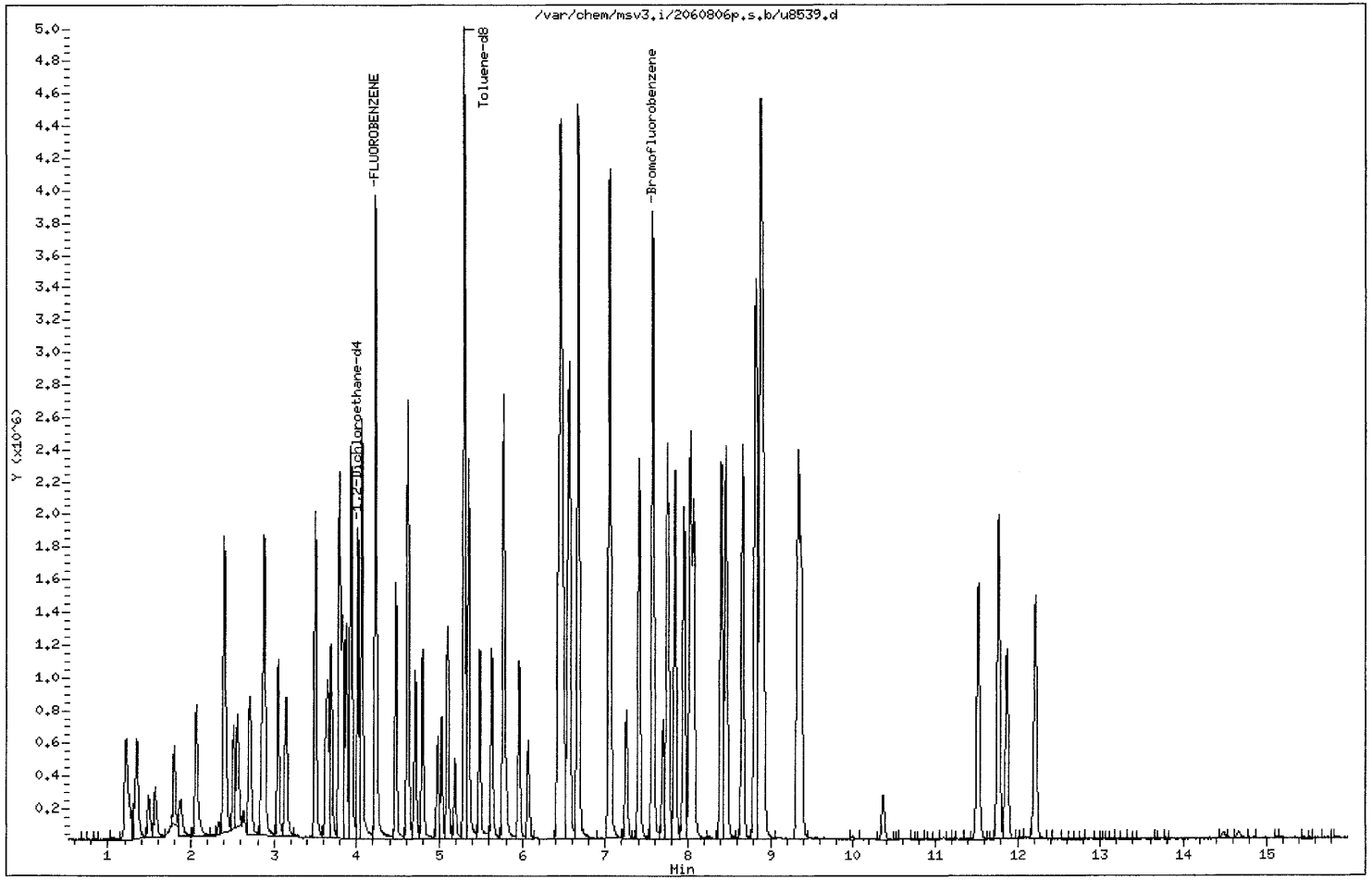
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	79 Bromoform ++	173	7.258	7.254	(1.124)	461163	23.9479	23.9	9424
	80 Isopropylbenzene	105	7.413	7.409	(1.148)	1729805	23.7207	23.7	9632
$	82 Bromofluorobenzene	174	7.578	7.580	(1.174)	1416951	50.3189	50.3	8908
	83 1,1,2,2-Tetrachloroethane++	83	7.699	7.706	(0.867)	362518	19.1989	19.2	9438
	84 trans-1,4-Dichloro-2-Butene	53	7.761	7.763	(0.874)	100699	19.8414	19.8	8579
	86 Bromobenzene	77	7.756	7.752	(0.873)	805856	20.9347	20.9	8906
	85 1,2,3-Trichloropropane	75	7.761	7.757	(0.874)	479366	20.0515	20.1	8761
	87 n-Propylbenzene	91	7.847	7.843	(0.883)	2083238	22.8722	22.9	
M	78 TOTAL XYLENE	106				1979672	69.7940	69.8	0
	88 2-Chlorotoluene	91	7.956	7.958	(0.896)	1337762	22.1764	22.2	
	89 1,3,5-Trimethylbenzene	105	8.030	8.032	(0.904)	1724903	22.9978	23.0	9183
	90 4-Chlorotoluene	91	8.070	8.072	(0.909)	1580517	21.4943	21.5	
	91 tert-butylbenzene	91	8.402	8.409	(0.946)	1061581	19.5078	19.5	9406(R)
	93 1,2,4-Trimethylbenzene	105	8.465	8.461	(0.953)	1728791	22.8049	22.8	
	94 sec-Butylbenzene	105	8.665	8.661	(0.976)	2014509	23.1243	23.1	
	96 1,3-Dichlorobenzene	146	8.808	8.810	(0.992)	1025381	21.3940	21.4	
	95 p-Isopropyltoluene	119	8.831	8.833	(0.994)	1840528	23.4940	23.5	7242
*	97 1,4-DICHLOROBENZENE-D4	152	8.882	8.884	(1.000)	1553944	50.0000		9622
	98 1,4-Dichlorobenzene	146	8.911	8.913	(1.003)	1061710	20.9311	20.9	
	99 n-Butylbenzene	91	9.340	9.336	(1.052)	1587014	22.9381	22.9	9582
	100 1,2-Dichlorobenzene	146	9.369	9.370	(1.055)	983637	20.3308	20.3	
	101 1,2-Dibromo-3-Chloropropane	157	10.369	10.365	(1.167)	108421	19.2728	19.3	9011
	103 1,2,4-Trichlorobenzene	180	11.525	11.526	(1.297)	737513	21.2702	21.3	
	104 Hexachlorobutadiene	225	11.771	11.767	(1.325)	622876	22.1744	22.2	9657
	105 Naphthalene	128	11.868	11.870	(1.336)	1270826	19.5544	19.6	9766
	106 1,2,3-Trichlorobenzene	180	12.217	12.219	(1.375)	720355	21.3422	21.3	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/msv3.i/2060806p.s.b/u8539.d
Date : 06-AUG-2006 13:09
Client ID: LCS FOR HBN 329645
Sample Info: 398295*LCS FOR HBN 329645
Purge Volume: 5.0
Column phase: DB-624

Instrument: msv3.i
Operator: ABD
Column diameter: 0.53



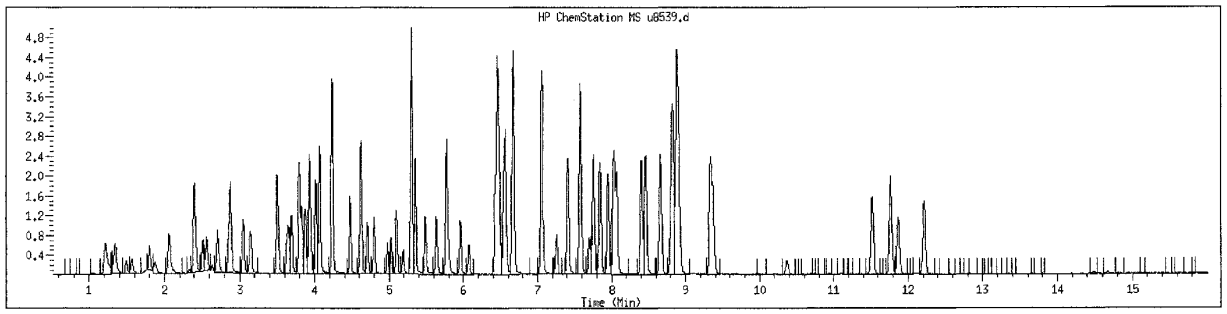
166988

000527

Data file : /var/chem/msv3.i/2060806p.s.b/u8539.d Page: 1
Report Date: 08/06/2006 13:37

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 398295 SampleType : LCS
Injection Date: 06-AUG-2006 13:09 Instrument : msv3.i
Operator : ABD
Sample Info : 398295*LCS FOR HBN 329645
Misc Info : MSV~8817~*1*ABD
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



NO MANUAL INTEGRATIONS

000528

166989

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS400119

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400119

Level: (low/med) LOW

Lab File ID: 2060811/G7236

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 0833

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	1.47		0.105	0.250

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7236.d
Lab Smp Id: 400119 Client Smp ID: LCS FOR HBN 330307
Inj Date : 11-AUG-2006 08:33
Operator : VWM Inst ID: msv5.i
Smp Info : 400119*LCS FOR HBN 330307
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
1	Dichlorodifluoromethane	85	1.416	1.416	(0.260)	312526	24.6018	1230	
2	Chloromethane ++	50	1.574	1.574	(0.289)	285972	26.7605	1340	
3	Vinyl Chloride +	62	1.644	1.644	(0.302)	224151	26.0874	1300	
5	Bromomethane	94	1.914	1.914	(0.352)	138953	24.5619	1230	
M 6	1-3 Dichloropropene-Total	100				563787	53.6723	2680	0
8	Chloroethane	64	2.013	2.007	(0.370)	88098	45.0823	2250	(R)
9	Trichlorofluoromethane	101	2.154	2.142	(0.396)	253148	25.0540	1250	
11	1,1-Dichloroethene +	96	2.629	2.623	(0.483)	92380	24.0697	1200	
12	Carbon Disulfide	76	2.647	2.647	(0.487)	424729	23.5276	1180	
13	1,1,2Trichlotrifluoroethane	101	2.670	2.670	(0.491)	117523	26.2848	1310	
14	Methyl Iodide	142	2.758	2.759	(0.507)	180833	21.0134	1050	
15	Acrolein	56	2.975	2.976	(0.547)	49368	122.240	6110	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
	17 Methylene Chloride	49	3.227	3.228	(0.593)	200372	23.8312	1190	
	18 Acetone	43	3.286	3.292	(0.604)	69477	30.6110	1530	
	19 trans-1,2-Dichloroethene	61	3.397	3.392	(0.625)	202920	24.8420	1240	
	20 Methyl Acetate	43	3.427	3.427	(0.630)	98912	25.5271	1280	7572
	21 Hexane	57	3.491	3.480	(0.642)	228469	22.8773	1140	8841
	22 MTBE	73	3.515	3.515	(0.646)	302405	25.0676	1250	9253
	27 1,1-Dichloroethane ++	63	3.983	3.978	(0.732)	276392	25.3837	1270	
	29 Acrylonitrile	53	4.030	4.025	(0.741)	252170	127.601	6380	
	30 Vinyl Acetate	43	4.218	4.213	(0.775)	310277	27.0702	1350	
	31 cis-1,2-Dichloroethene	61	4.446	4.447	(0.817)	241290	25.4309	1270	
	32 2,2-Dichloropropane	77	4.540	4.535	(0.835)	241844	24.6464	1230	
	33 Bromochloromethane	128	4.611	4.612	(0.848)	64084	23.6983	1180	
	34 Cyclohexane	56	4.611	4.606	(0.848)	233917	26.7841	1340	8858
	35 Chloroform +	83	4.676	4.677	(0.860)	288936	25.4395	1270	
	36 Carbon Tetrachloride	117	4.781	4.782	(0.879)	201722	21.9919	1100	
$	39 Dibromofluoromethane	111	4.823	4.818	(0.887)	366894	51.5343	2580	8766
	40 1,1,1-Trichloroethane	97	4.840	4.835	(0.890)	240844	25.4052	1270	
	42 2-Butanone	43	4.923	4.918	(0.905)	88699	25.5306	1280	
	43 1,1-Dichloropropene	75	4.934	4.930	(0.907)	201348	25.0932	1250	
	45 Benzene	78	5.128	5.124	(0.943)	470511	24.9590	1250	
$	48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	255991	55.7190	2790	
	49 1,2-Dichloroethane	62	5.281	5.282	(0.971)	296788	25.5222	1280	
*	52 FLUOROBENZENE	96	5.439	5.435	(1.000)	937108	50.0000		
	53 Methyl Cyclohexane	83	5.551	5.552	(1.021)	190548	25.3565	1270	8737
	54 Trichloroethene	130	5.557	5.564	(1.022)	119282	25.3802	1270	
	57 Dibromomethane	93	5.868	5.869	(1.079)	110335	24.7158	1240	
	59 1,2-Dichloropropane +	63	5.944	5.940	(1.093)	158032	26.1957	1310	
	60 Bromodichloromethane	83	5.985	5.987	(1.100)	248989	26.6888	1330	
M	61 Total 1,2-Dichloroethene	61				444210	50.2729	2510	
	64 1-Bromo-2-chloroethane	63	6.325	6.327	(1.163)	254611	27.2995	1360	9431
	65 2-Chloroethyl vinyl ether	63	6.378	6.380	(1.173)	130473	29.3812	1470	
	66 cis-1,3-Dichloropropene	75	6.425	6.427	(1.181)	275915	26.9020	1350	
$	67 Toluene-d8	98	6.554	6.556	(0.860)	980456	55.0537	2750	
	69 Toluene +	91	6.596	6.592	(0.865)	532023	25.6139	1280	
	71 4-methyl-2-pentanone	43	6.842	6.844	(1.258)	194379	25.8584	1290	
	72 Tetrachloroethene	164	6.865	6.862	(0.901)	87766	25.8861	1290	
	73 trans-1,3-Dichloropropene	75	6.877	6.874	(0.902)	287872	26.4242	1320	
	75 1,1,2-Trichloroethane	97	6.983	6.985	(0.916)	128010	25.6149	1280	
	76 Dibromochloromethane	129	7.112	7.109	(0.933)	186237	25.6744	1280	
	77 1,3-Dichloropropane	76	7.177	7.174	(0.941)	246949	25.2377	1260	
	79 1,2-Dibromoethane(EDB)	107	7.282	7.279	(0.955)	149055	26.8266	1340	
	80 2-Hexanone	43	7.411	7.408	(0.972)	137378	27.1731	1360	
	82 1-Chlorohexane	91	7.599	7.596	(0.997)	231032	27.0372	1350	8765
*	83 CHLOROBENZENE-d5	82	7.623	7.620	(1.000)	526324	50.0000		
	84 Chlorobenzene ++	112	7.635	7.632	(1.002)	368916	27.1812	1360	
	85 Ethylbenzene +	106	7.641	7.643	(1.002)	179132	24.8436	1240	
	86 1,1,1,2-Tetrachloroethane	133	7.670	7.673	(1.006)	144655	25.6425	1280	

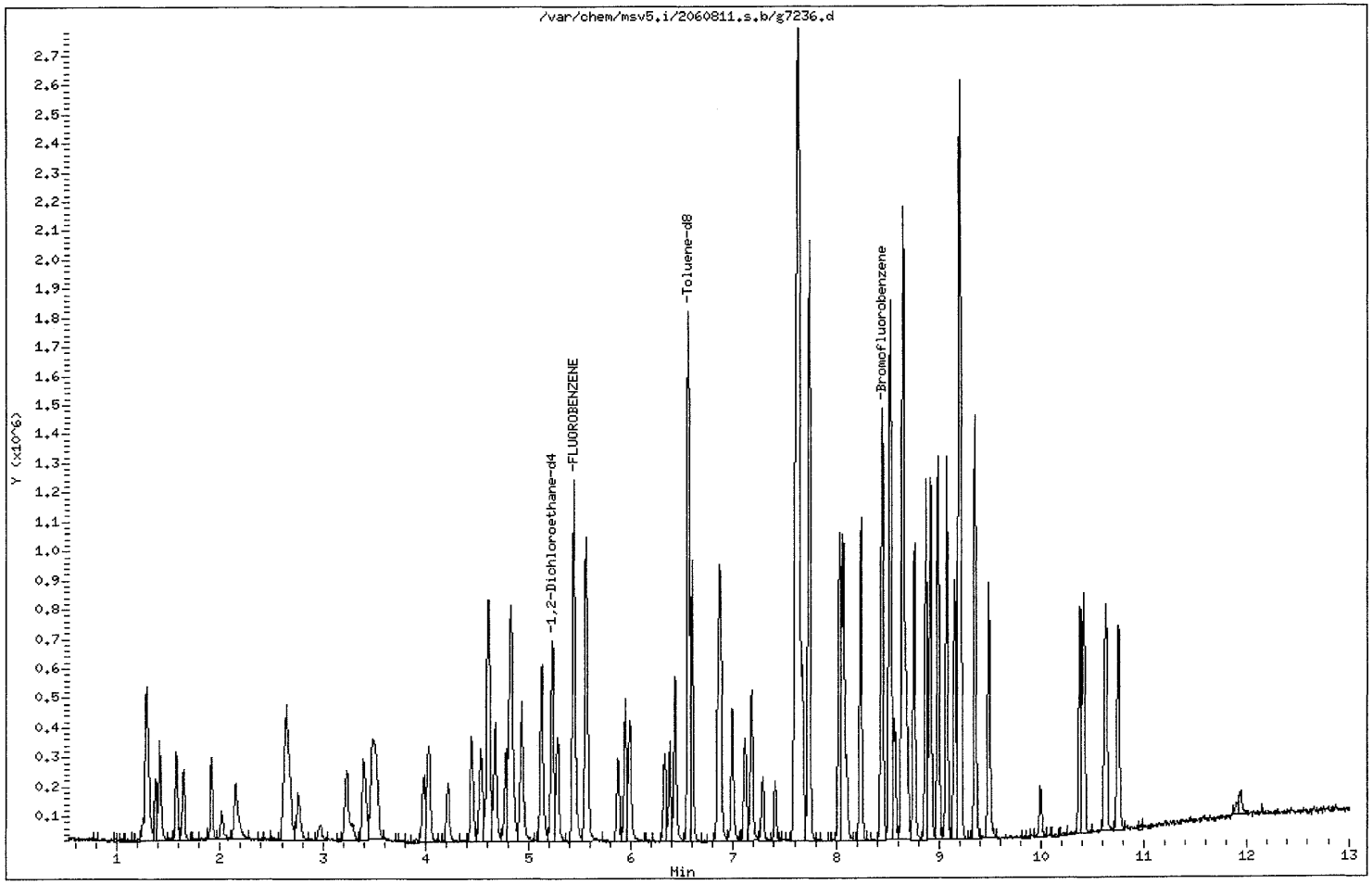
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	87 p,m-Xylene	106	7.735	7.738	(1.015)	459730	54.7479	2740	
	89 o-Xylene	106	8.034	8.031	(1.054)	237692	28.9089	1450	
	90 Styrene	104	8.063	8.067	(1.058)	423536	29.1082	1460	
	91 Bromoform ++	173	8.099	8.102	(1.062)	115608	28.5013	1430	
	93 Isopropylbenzene	105	8.240	8.237	(1.081)	650343	27.7019	1390	
$	94 Bromofluorobenzene	174	8.445	8.443	(1.108)	302610	55.8765	2790	
	95 n-Propylbenzene	91	8.522	8.520	(0.926)	852076	26.9126	1350	
	96 Bromobenzene	77	8.528	8.526	(0.927)	369295	25.6458	1280	
	97 1,1,2,2-Tetrachloroethane++	83	8.569	8.567	(0.931)	205143	27.2562	1360	
	98 2-Chlorotoluene	91	8.646	8.644	(0.940)	606976	26.9800	1350	
	99 1,3,5-Trimethylbenzene	105	8.646	8.644	(0.940)	594687	25.7104	1290	
	100 1,2,3-Trichloropropane	75	8.681	8.674	(0.944)	264408	27.9641	1400	
	101 trans-1,4-Dichloro-2-Butene	53	8.693	8.691	(0.945)	58338	23.8716	1190	
	103 4-Chlorotoluene	91	8.758	8.756	(0.952)	563000	27.0031	1350	
	104 tert-butylbenzene	91	8.870	8.868	(0.964)	393280	27.2577	1360	
	106 1,2,4-Trimethylbenzene	105	8.911	8.915	(0.969)	619032	27.3965	1370	
	107 sec-Butylbenzene	105	8.987	8.986	(0.977)	816053	28.8663	1440	
	108 p-Isopropyltoluene	119	9.070	9.075	(0.986)	650417	27.4309	1370	
	110 1,3-Dichlorobenzene	146	9.152	9.151	(0.995)	309795	27.5903	1380	
*	111 1,4-DICHLOROBENZENE-D4	152	9.200	9.199	(1.000)	383931	50.0000		
	112 1,4-Dichlorobenzene	146	9.211	9.205	(1.001)	325609	27.6341	1380	
	115 n-Butylbenzene	91	9.347	9.346	(1.016)	723862	27.9639	1400	
	116 1,2-Dichlorobenzene	146	9.488	9.487	(1.031)	309499	28.2129	1410	
	120 1,2-Dibromo-3-Chloropropane	157	9.993	9.992	(1.086)	37915	27.6563	1380	
	122 Hexachlorobutadiene	225	10.380	10.375	(1.128)	138349	31.2707	1560	
	123 1,2,4-Trichlorobenzene	180	10.416	10.410	(1.132)	217202	29.8895	1490	
M	124 TOTAL XYLENE	106				697422	83.6569	4180	
	125 Naphthalene	128	10.628	10.623	(1.155)	615549	29.2107	1460	
	126 1,2,3-Trichlorobenzene	180	10.752	10.747	(1.169)	205867	29.1729	1460	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/msv5.i/2060811.s.b/g7236.d
Date : 11-AUG-2006 08:33
Client ID: LCS FOR HBN 330307
Sample Info: 400119WLCS FOR HBN 330307
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: VWM
Column diameter: 0.53

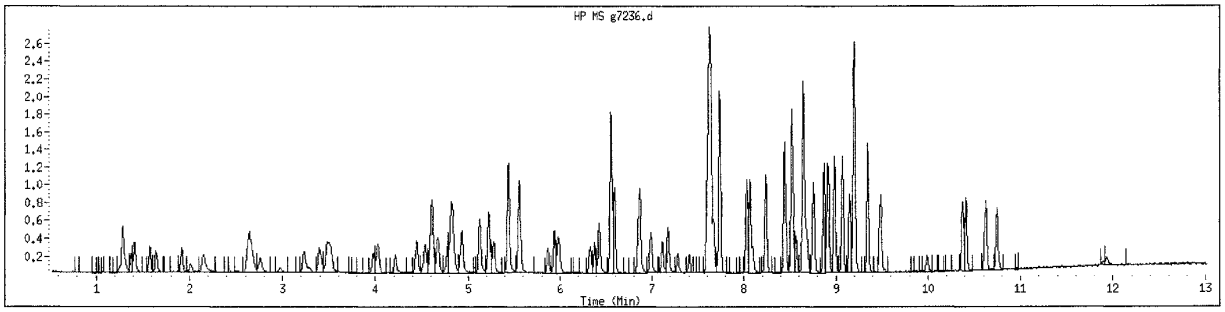


000533

Data file : /var/chem/msv5.i/2060811.s.b/g7236.d Page: 1
Report Date: 08/11/2006 11:32

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 400119 SampleType : LCS
Injection Date: 11-AUG-2006 08:33 Instrument : msv5.i
Operator : VWM
Sample Info : 400119*LCS FOR HBN 330307
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

000534

166995

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS400440

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400440

Level: (low/med) LOW

Lab File ID: 2060811P/B6594

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1259

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.030		0.000374	0.025
107-02-8	Acrolein	0.128		0.00234	0.025
107-13-1	Acrylonitrile	0.128		0.000712	0.025
75-27-4	Bromodichloromethane	0.024		0.000135	0.00500
75-25-2	Bromoform	0.021		0.000169	0.00500
74-83-9	Bromomethane	0.031		0.00151	0.00500
75-15-0	Carbon disulfide	0.025		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.027		0.000120	0.00500
75-00-3	Chloroethane	0.027		0.000606	0.00500
136777-61-	m,p-Xylene	0.058		0.000398	0.00500
67-66-3	Chloroform	0.027		0.000141	0.00500
74-87-3	Chloromethane	0.029		0.000464	0.00500
124-48-1	Dibromochloromethane	0.022		0.000090	0.00500
74-95-3	Dibromomethane	0.025		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.030		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.028		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.026		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.027		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.027		0.000164	0.00500
75-09-2	Methylene chloride	0.031		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.026		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	0.029		0.000207	0.00500
591-78-6	2-Hexanone	0.028		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.031		0.000153	0.00500
78-93-3	2-Butanone	0.033		0.000312	0.00500
74-88-4	Methyl iodide	0.032		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.026		0.000173	0.00500
103-65-1	n-Propylbenzene	0.030		0.000140	0.00500
100-42-5	Styrene	0.029		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS400440

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400440

Level: (low/med) LOW

Lab File ID: 2060811P/B6594

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1259

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.031		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.025		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.029		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.029		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.026		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.027		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.030		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.027		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.029		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.030		0.000163	0.00500
75-01-4	Vinyl chloride	0.029		0.000351	0.00500
95-47-6	o-Xylene	0.029		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.023		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.027		0.000150	0.00500
108-05-4	Vinyl acetate	0.029		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.025		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.031		0.000161	0.00500
1330-20-7	Xylene (total)	0.087		0.000572	0.010
108-87-2	Methylcyclohexane	0.030		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.024		0.000721	0.00500
110-82-7	Cyclohexane	0.030		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.026		0.000176	0.00500
79-20-9	Methyl Acetate	0.026		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.029		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.028		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.00210	0.00500
142-28-9	1,3-Dichloropropane	0.027		0.000136	0.00500
108-86-1	Bromobenzene	0.028		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.030		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.029		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.031		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.030		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS400440

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400440

Level: (low/med) LOW

Lab File ID: 2060811P/B6594

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1259

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.028		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.029		0.000421	0.00500
104-51-8	n-Butylbenzene	0.030		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.028		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.029		0.00125	0.00500
91-20-3	Naphthalene	0.031		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.027		0.000359	0.00500
71-43-2	Benzene	0.027		0.000104	0.00500
79-01-6	Trichloroethene	0.029		0.000177	0.00500
108-88-3	Toluene	0.028		0.000550	0.00500
108-90-7	Chlorobenzene	0.028		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6594.d
Lab Smp Id: 400440 Client Smp ID: LCS FOR HBN 330354
Inj Date : 11-AUG-2006 12:59
Operator : AJV Inst ID: msv6.i
Smp Info : 400440*LCS FOR HBN 330354
Misc Info : MSV~8854~*1*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:15 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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	1.027	1.030	(0.230)	283886	29.8871	29.9	9689
2	Chloromethane ++	50	1.088	1.094	(0.244)	60446	28.4945	28.5	6561
3	Vinyl Chloride +	62	1.149	1.155	(0.258)	135272	29.3688	29.4	9139
4	Bromomethane	94	1.289	1.289	(0.289)	145913	30.6343	30.6	9472
5	Chloroethane	64	1.345	1.342	(0.302)	82601	27.3711	27.4	7846
7	Acrolein	56	1.565	1.562	(0.351)	38886	127.971	128	4648
6	Trichlorofluoromethane	101	1.562	1.568	(0.350)	278500	29.6408	29.6	9668
8	Acetone	43	1.624	1.626	(0.364)	66434	29.5121	29.5	8290
10	1,1-Dichloroethene +	96	1.802	1.805	(0.404)	107232	26.4964	26.5	7517
11	Methyl Iodide	142	1.813	1.822	(0.407)	82313	31.6488	31.6	4393
12	Acrylonitrile	53	1.847	1.847	(0.414)	145857	128.077	128	8018
13	Methylene Chloride	49	1.886	1.886	(0.423)	177489	30.7936	30.8	8789
14	1,1,2Trichlotrifluoroethane	101	1.908	1.916	(0.428)	135466	28.6769	28.7	8305

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	15 Methyl Acetate	43	1.925	1.928	(0.432)	53638	25.6731	25.7	8594
	16 Carbon Disulfide	76	1.972	1.975	(0.442)	356455	24.8726	24.9	8717
	17 trans-1,2-Dichloroethene	61	2.262	2.265	(0.507)	179040	27.2609	27.3	9447
	18 MTBE	73	2.363	2.360	(0.530)	384928	24.6747	24.7	8814
	19 1,1-Dichloroethane ++	63	2.429	2.430	(0.545)	231580	27.9275	27.9	9595
	20 Vinyl Acetate	43	2.586	2.588	(0.580)	118443	28.7643	28.8	
	22 Hexane	57	2.767	2.773	(0.620)	215547	34.0851	34.1	9079
	23 2-Butanone	43	2.775	2.775	(0.622)	190977	33.1281	33.1	
	24 cis-1,2-Dichloroethene	61	2.878	2.881	(0.645)	181534	27.1310	27.1	8674
	25 Bromochloromethane	128	3.015	3.024	(0.676)	49288	26.1446	26.1	9110
	26 Chloroform +	83	3.079	3.079	(0.690)	267503	27.4360	27.4	9429
	27 2,2-Dichloropropane	77	3.135	3.138	(0.703)	218258	25.5439	25.5	9166
$	28 Dibromofluoromethane	111	3.194	3.188	(0.716)	252607	51.3274	51.3	6251
$	31 1,2-Dichloroethane-d4	67	3.620	3.615	(0.812)	181548	49.9486	49.9	9461
	32 1,2-Dichloroethane	62	3.701	3.698	(0.830)	224616	26.4409	26.4	9232
	33 1,1,1-Trichloroethane	97	3.776	3.779	(0.847)	218293	26.3112	26.3	5194
	34 1,1-Dichloropropene	75	3.988	3.991	(0.894)	206892	28.1295	28.1	8653
	35 Cyclohexane	56	4.036	4.039	(0.905)	212702	29.9218	29.9	6875
	38 Carbon Tetrachloride	117	4.136	4.133	(0.927)	153117	26.4958	26.5	9326
	40 Benzene	78	4.197	4.200	(0.941)	545550	26.7054	26.7	8300
*	41 FLUOROBENZENE	96	4.460	4.462	(1.000)	1034146	50.0000		9506
	46 Dibromomethane	93	4.783	4.792	(1.073)	89436	24.8698	24.9	9375
	48 1,2-Dichloropropane +	63	4.847	4.853	(1.087)	153054	26.4426	26.4	9292
	49 Trichloroethene	130	4.909	4.911	(1.101)	158644	28.5187	28.5	9535
	50 Bromodichloromethane	83	4.956	4.953	(1.111)	207073	23.7625	23.8	9367
	54 1-Bromo-2-chloroethane	63	5.405	5.402	(1.212)	204063	27.1135	27.1	9565
	55 Methyl cyclohexane	83	5.444	5.447	(1.221)	309541	30.3199	30.3	9178
	56 cis-1,3-Dichloropropene	75	5.742	5.740	(1.288)	230019	24.1651	24.2	
	58 4-methyl-2-pentanone	43	5.965	5.963	(1.338)	113943	25.8910	25.9	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.761)	195437	23.6744	23.7	
	64 1,1,2-Trichloroethane	97	6.409	6.412	(0.777)	119913	26.8366	26.8	9550
$	68 Toluene-d8	98	6.548	6.551	(0.794)	1164912	59.2868	59.3	9556
	69 Toluene +	91	6.629	6.626	(0.803)	670040	28.2935	28.3	9057
	70 1,3-Dichloropropane	76	6.702	6.702	(0.812)	219990	26.8794	26.9	9216
	72 Dibromochloromethane	129	6.933	6.933	(0.840)	108304	22.2596	22.3	9327
	74 2-Hexanone	43	7.031	7.028	(0.852)	87295	27.5740	27.6	8960
	77 1,2-Dibromoethane(EDB)	107	7.206	7.206	(0.873)	113319	26.5389	26.5	9584
	81 Tetrachloroethene	164	7.463	7.466	(0.904)	114681	31.4450	31.4	9584
	84 1,1,1,2-Tetrachloroethane	133	8.208	8.213	(0.995)	120196	25.2076	25.2	9532
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	510593	50.0000		9511
	86 Chlorobenzene ++	112	8.291	8.288	(1.005)	393890	27.7214	27.7	9315
	87 1-Chlorohexane	91	8.361	8.361	(1.875)	230457	28.8915	28.9	9444
	88 Ethylbenzene +	106	8.615	8.612	(1.044)	233811	28.9768	29.0	8895
	92 Bromoform ++	173	8.841	8.841	(1.071)	57945	21.0492	21.0	9242
	93 p,m-Xylene	106	8.891	8.885	(1.077)	561477	58.2632	58.3	9496
M	79 Total 1,2-Dichloroethene	61				360574	54.3907	54.4	0
M	80 1-3 Dichloropropene-Total	100				425456	46.7223	46.7	0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
95 Styrene	104	9.259	9.264	(1.122)	462789	29.3776	29.4	7610
96 1,1,2,2-Tetrachloroethane++	83	9.320	9.323	(0.858)	142329	28.5734	28.6	9226
97 o-Xylene	106	9.337	9.337	(1.131)	282128	28.7468	28.7	
100 1,2,3-Trichloropropane	75	9.474	9.474	(0.872)	133239	27.3335	27.3	7224
104 trans-1,4-Dichloro-2-Butene	53	9.580	9.582	(0.882)	23133	23.9795	24.0	8897
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	306969	53.8798	53.9	9385
103 Isopropylbenzene	105	9.741	9.741	(1.180)	709072	30.8878	30.9	9343(R)
105 Bromobenzene	77	9.875	9.875	(0.909)	317893	28.3387	28.3	9553
111 n-Propylbenzene	91	10.160	10.160	(0.936)	939149	30.1691	30.2	8214(M)
107 2-Chlorotoluene	91	10.185	10.188	(0.938)	597998	29.7822	29.8	5920(MH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	578244	28.9650	29.0	9536
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.963)	651005	30.0792	30.1	
112 tert-butylbenzene	91	10.645	10.642	(0.980)	431954	30.6288	30.6	9275
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.990)	641022	29.3146	29.3	
114 sec-Butylbenzene	105	10.820	10.821	(0.996)	820090	29.9086	29.9	
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	275189	28.3245	28.3	
* 116 1,4-DICHLOROBENZENE-D4	152	10.860	10.860	(1.000)	348548	50.0000		9570
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	299039	28.6529	28.7	
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	678425	30.4551	30.5	9392
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	273915	28.2331	28.2	
120 n-Butylbenzene	91	11.286	11.286	(1.039)	700444	29.9345	29.9	9676
124 1,2-Dibromo-3-Chloropropane	157	11.473	11.470	(1.056)	21280	22.9517	23.0	9039
122 1,2,4-Trichlorobenzene	180	12.385	12.388	(1.140)	194925	28.7156	28.7	
123 Napthalene	128	12.530	12.530	(1.154)	449466	30.7761	30.8	9423
125 Hexachlorobutadiene	225	12.600	12.602	(1.160)	140644	28.7193	28.7	9452
126 1,2,3-Trichlorobenzene	180	12.655	12.655	(1.165)	178397	28.9389	28.9	
M 127 TOTAL XYLENE	106				843605	87.0099	87.0	0

QC Flag Legend

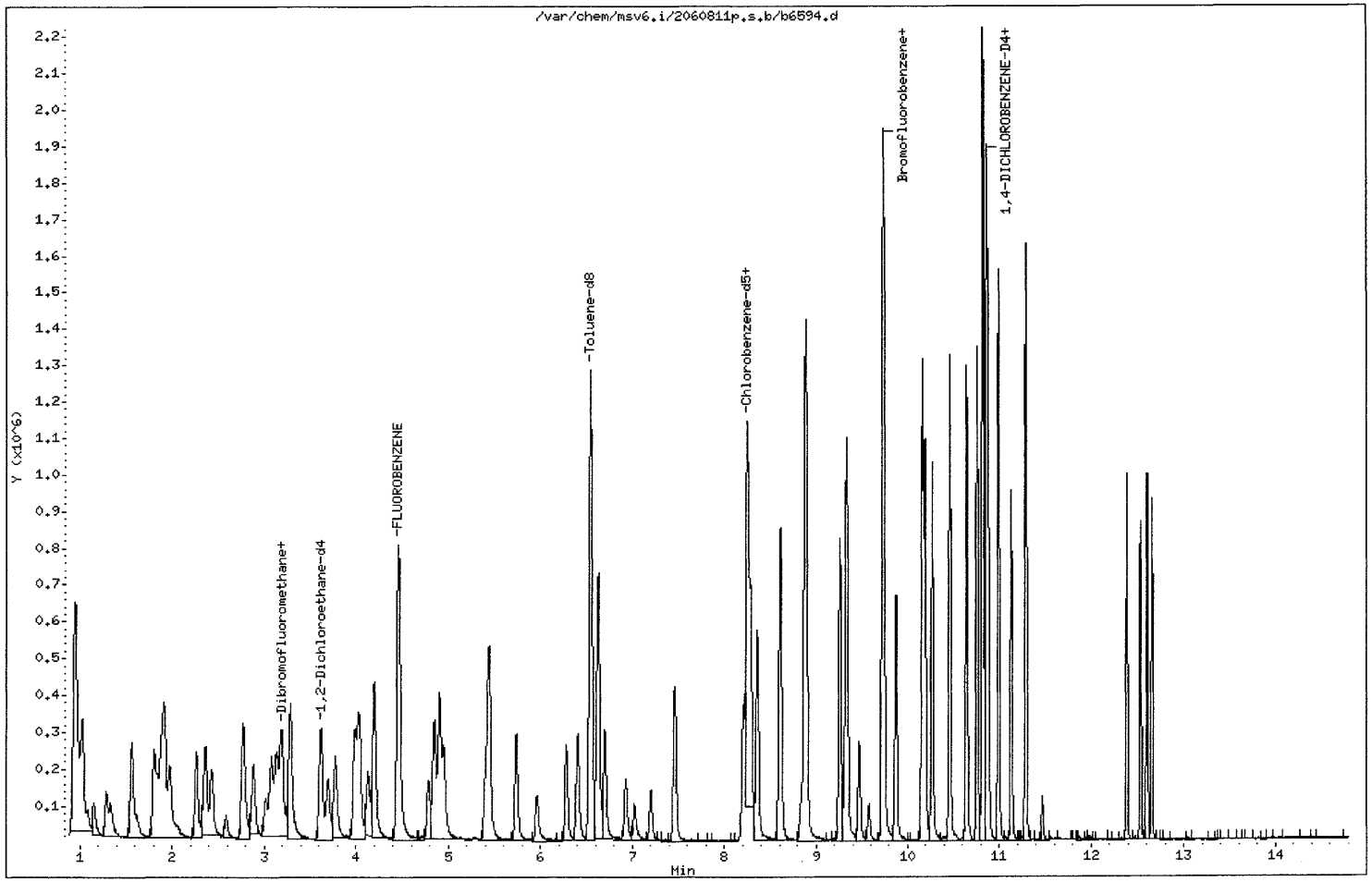
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv6.i/2060811p.s.b/b6594.d
Date : 11-AUG-2006 12:59
Client ID: LCS FOR HBN 330354
Sample Info: 400440*LCS FOR HBN 330354

Instrument: msv6.i

Operator: AJW
Column diameter: 0.53

Column phase: DB-624-30M

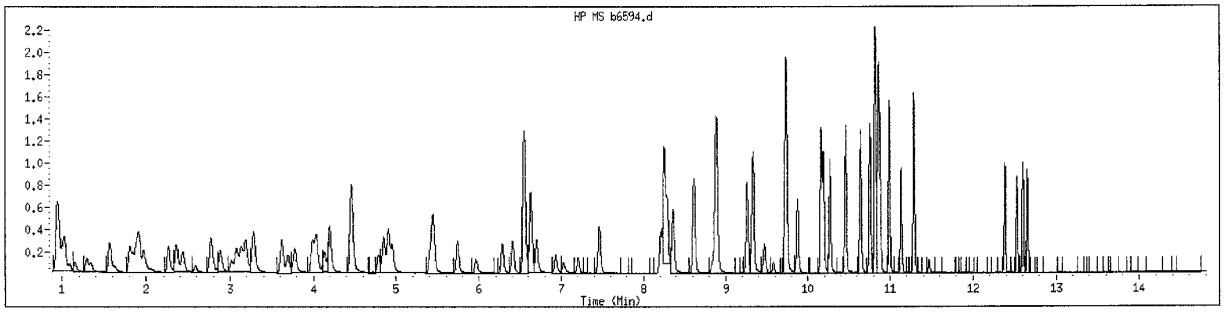


000541

Data file : /var/chem/msv6.i/2060811p.s.b/b6594.d Page: 1
Report Date: 08/12/2006 11:24

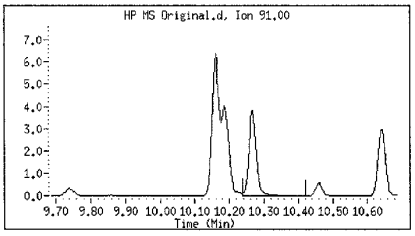
MANUAL INTEGRATION GRAPHIC REPORT

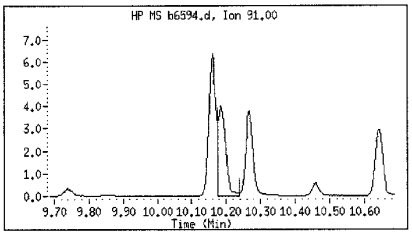
Lab ID : 400440 SampleType : LCS
Injection Date: 11-AUG-2006 12:59 Instrument : msv6.i
Operator : AJV
Sample Info : 400440*LCS FOR HBN 330354
Misc Info : MSV~8854~*1*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



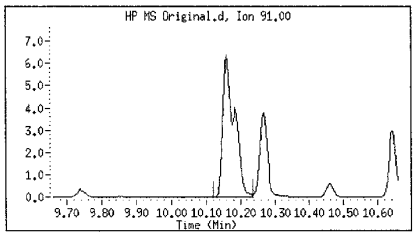
Original Final

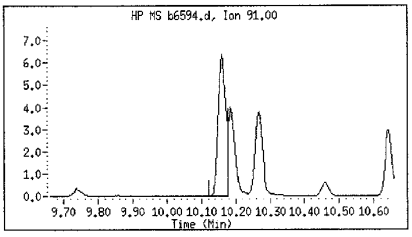
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





000542

167003

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD398296

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Level: (low/med) LOW

% Moisture: not dec.

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

Instrument ID: MSV3

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 398296

Lab File ID: 2060806P/U8540

Date Collected: Time:

Date Received:

Date Analyzed: 08/06/06 Time: 1334

Dilution Factor: 1 Analyst: ABD

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.022	J	0.00142	0.025
107-02-8	Acrolein	0.121		0.00166	0.025
107-13-1	Acrylonitrile	0.103		0.00110	0.025
75-27-4	Bromodichloromethane	0.021		0.000219	0.00500
75-25-2	Bromoform	0.024		0.000216	0.00500
74-83-9	Bromomethane	0.056		0.000477	0.00500
75-15-0	Carbon disulfide	0.024		0.000098	0.00500
56-23-5	Carbon tetrachloride	0.023		0.000128	0.00500
75-00-3	Chloroethane	0.023		0.000596	0.00500
136777-61-	m,p-Xylene	0.046		0.000286	0.00500
67-66-3	Chloroform	0.021		0.000194	0.00500
74-87-3	Chloromethane	0.020		0.000453	0.00500
124-48-1	Dibromochloromethane	0.023		0.000081	0.00500
74-95-3	Dibromomethane	0.021		0.000354	0.00500
75-71-8	Dichlorodifluoromethane	0.023		0.000156	0.00500
75-34-3	1,1-Dichloroethane	0.023		0.000252	0.00500
107-06-2	1,2-Dichloroethane	0.021		0.000205	0.00500
156-59-2	cis-1,2-Dichloroethene	0.022		0.000163	0.00500
156-60-5	trans-1,2-Dichloroethene	0.023		0.000139	0.00500
75-09-2	Methylene chloride	0.024		0.000445	0.010
78-87-5	1,2-Dichloropropane	0.021		0.000238	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.023		0.000211	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.023		0.000236	0.00500
100-41-4	Ethylbenzene	0.022		0.000227	0.00500
591-78-6	2-Hexanone	0.019		0.000403	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.024		0.000122	0.00500
78-93-3	2-Butanone	0.017		0.000429	0.00500
74-88-4	Methyl iodide	0.024		0.000212	0.00500
108-10-1	4-Methyl-2-pentanone	0.018		0.000454	0.00500
103-65-1	n-Propylbenzene	0.023		0.000175	0.00500
100-42-5	Styrene	0.024		0.000135	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD398296

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Lab Sample ID: 398296

Level: (low/med) LOW

Lab File ID: 2060806P/U8540

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV3

Date Analyzed: 08/06/06 Time: 1334

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ABD

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.023		0.000227	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.024		0.000343	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.020		0.000227	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.022		0.000378	0.00500
71-55-6	1,1,1-Trichloroethane	0.023		0.000173	0.00500
79-00-5	1,1,2-Trichloroethane	0.022		0.000131	0.00500
75-69-4	Trichlorofluoromethane	0.023		0.000190	0.00500
96-18-4	1,2,3-Trichloropropane	0.021		0.000462	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.023		0.000181	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.023		0.000185	0.00500
75-01-4	Vinyl chloride	0.022		0.000089	0.00500
95-47-6	o-Xylene	0.024		0.000223	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.020		0.000190	0.00500
106-93-4	1,2-Dibromoethane	0.022		0.000206	0.00500
108-05-4	Vinyl acetate	0.021		0.000240	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.021		0.000179	0.00500
99-87-6	4-Isopropyltoluene	0.024		0.000121	0.00500
1330-20-7	Xylene (total)	0.070		0.000509	0.010
108-87-2	Methylcyclohexane	0.022		0.000130	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.021		0.000492	0.00500
110-82-7	Cyclohexane	0.021		0.000187	0.00500
594-20-7	2,2-Dichloropropane	0.024		0.000196	0.00500
79-20-9	Methyl Acetate	0.019		0.000477	0.00500
76-13-1	Trichlorotrifluoroethane	0.022		0.000360	0.00500
563-58-6	1,1-Dichloropropene	0.023		0.000102	0.00500
110-75-8	2-Chloroethylvinyl ether	0.021		0.000221	0.00500
142-28-9	1,3-Dichloropropane	0.021		0.000218	0.00500
108-86-1	Bromobenzene	0.022		0.000196	0.00500
95-49-8	2-Chlorotoluene	0.022		0.000166	0.00500
106-43-4	4-Chlorotoluene	0.022		0.000211	0.00500
98-06-6	tert-Butylbenzene	0.020		0.000159	0.00500
135-98-8	sec-Butylbenzene	0.023		0.000157	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD398296

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Water

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

Lab Sample ID: 398296

Level: (low/med) LOW

Lab File ID: 2060806P/U8540

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV3

Date Analyzed: 08/06/06 Time: 1334

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: ABD

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 329645

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/L*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.022		0.000125	0.00500
106-46-7	1,4-Dichlorobenzene	0.021		0.000135	0.00500
104-51-8	n-Butylbenzene	0.024		0.000414	0.00500
95-50-1	1,2-Dichlorobenzene	0.021		0.000240	0.00500
87-68-3	Hexachlorobutadiene	0.023		0.000243	0.00500
91-20-3	Naphthalene	0.021		0.000304	0.00500
75-35-4	1,1-Dichloroethene	0.022		0.000229	0.00500
71-43-2	Benzene	0.021		0.000225	0.00500
79-01-6	Trichloroethene	0.021		0.000270	0.00500
108-88-3	Toluene	0.021		0.000213	0.00500
108-90-7	Chlorobenzene	0.022		0.000213	0.00500

GCAL, Inc.

Data file : /var/chem/msv3.i/2060806p.s.b/u8540.d
Lab Smp Id: 398296 Client Smp ID: LCSD FOR HBN 329645
Inj Date : 06-AUG-2006 13:34
Operator : ABD Inst ID: msv3.i
Smp Info : 398296*LCSD FOR HBN 329645
Misc Info : MSV~8817~*1*ABD
Comment :
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Meth Date : 06-Aug-2006 13:36 abd Quant Type: ISTD
Cal Date : 21-JUL-2006 15:41 Cal File: u7875.d
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/L)	SIMILARITY
M 138 Total-1-3 Dichloropropene	100				1136239	46.1319	46.1	0
1 Dichlorodifluoromethane	85	1.344	1.340	(0.151)	707663	22.8712	22.9	9159
2 Chloromethane ++	50	1.492	1.489	(0.353)	317593	20.1391	20.1	9044
3 Vinyl Chloride +	62	1.567	1.563	(0.370)	343745	21.8917	21.9	9219
5 Bromomethane	94	1.795	1.792	(0.424)	338582	56.1496	56.1	8277(R)
6 Chloroethane	64	1.870	1.872	(0.442)	203977	22.4656	22.5	8821
7 Trichlorofluoromethane	101	2.059	2.055	(0.486)	891936	22.4833	22.5	8452(H)
9 Acrolein	56	2.327	2.330	(0.550)	85608	120.533	121	8210
10 1,1,2Trichlotrifluoroethane	101	2.396	2.393	(0.566)	478308	22.1086	22.1	8162
11 1,1-Dichloroethene +	96	2.402	2.398	(0.568)	347356	22.0426	22.0	8110
12 Acetone	43	2.430	2.427	(0.574)	108214	21.9965	22.0	
13 Methyl Iodide	142	2.510	2.501	(0.593)	818633	24.0631	24.1	9564
14 Carbon Disulfide	76	2.562	2.553	(0.605)	1193586	23.8335	23.8	9529
17 Methyl Acetate	43	2.636	2.633	(0.623)	159957	19.0485	19.0	8840
18 Methylene Chloride	49	2.699	2.702	(0.638)	449728	23.9406	23.9	8592

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	20 Acrylonitrile	53	2.848	2.845	(0.673)	449636	102.747	103	9476
	22 trans-1,2-Dichloroethene	61	2.876	2.873	(0.680)	487381	22.6804	22.7	
	21 MTBE	73	2.876	2.873	(0.680)	744691	20.7119	20.7	8440
	24 Hexane	57	3.048	3.045	(0.720)	431371	23.0947	23.1	9508
	26 1,1-Dichloroethane ++	63	3.140	3.136	(0.742)	575766	22.5369	22.5	7117
	25 Vinyl Acetate	43	3.151	3.153	(0.745)	409374	21.0428	21.0	
	34 cis-1,2-Dichloroethene	61	3.500	3.497	(0.827)	585757	21.4698	21.5	
	35 2,2-Dichloropropane	77	3.506	3.502	(0.828)	541175	23.7820	23.8	8932
	32 2-Butanone	43	3.500	3.497	(0.827)	145192	17.3886	17.4	
M	30 Total 1,2-Dichloroethene	61				1073138	44.1502	44.2	0
	37 Bromochloromethane	128	3.654	3.651	(0.864)	234178	21.3922	21.4	7879
	38 Chloroform +	83	3.689	3.691	(0.872)	764071	20.5721	20.6	8888
$	39 Dibromofluoromethane	111	3.792	3.794	(0.896)	1120976	50.2854	50.3	9611
	40 1,1,1-Trichloroethane	97	3.826	3.828	(0.904)	735236	22.8733	22.9	8722
	42 Cyclohexane	56	3.872	3.868	(0.915)	482715	20.6577	20.7	9368
	43 1,1-Dichloropropene	75	3.929	3.925	(0.928)	533020	22.8196	22.8	8695
	44 Carbon Tetrachloride	117	3.940	3.937	(0.931)	783327	23.2406	23.2	8323
$	45 1,2-Dichloroethane-d4	67	4.015	4.017	(0.949)	609700	45.9220	45.9	9405
	46 1,2-Dichloroethane	62	4.066	4.063	(0.961)	679329	20.9272	20.9	8517
	47 Benzene	78	4.066	4.068	(0.961)	1217975	20.5824	20.6	9057
*	48 FLUOROBENZENE	96	4.232	4.234	(1.000)	2959291	50.0000		9208
	49 Trichloroethene	130	4.478	4.480	(1.058)	451264	21.0729	21.1	9387
	51 Methyl Cyclohexane	83	4.615	4.618	(1.091)	564170	22.3696	22.4	9144
	52 1,2-Dichloropropane +	63	4.621	4.623	(1.092)	315877	21.4365	21.4	9368
	55 Dibromomethane	93	4.707	4.703	(1.112)	293650	20.6315	20.6	8903
	56 Bromodichloromethane	83	4.792	4.795	(1.132)	637182	21.2811	21.3	9477
	57 2-Chloroethyl vinyl ether	63	4.975	4.978	(1.176)	209466	20.9443	20.9	9268
	58 1-Bromo-2-chloroethane	63	5.021	5.024	(1.187)	466929	20.0007	20.0	9065
	59 cis-1,3-Dichloropropene	75	5.096	5.098	(1.204)	564330	22.8079	22.8	
	60 4-methyl-2-pentanone	43	5.187	5.184	(1.226)	308099	18.0508	18.1	
$	61 Toluene-d8	98	5.301	5.304	(1.253)	3129515	49.8283	49.8	9790
	62 Toluene +	91	5.347	5.350	(1.264)	1549419	21.4301	21.4	9147
	63 trans-1,3-Dichloropropene	75	5.484	5.487	(1.296)	571909	23.3264	23.3	
	65 1,1,2-Trichloroethane	97	5.633	5.630	(0.872)	342491	22.2065	22.2	9458
	66 1,3-Dichloropropane	76	5.770	5.767	(0.894)	510718	21.0682	21.1	8391
	67 Tetrachloroethene	164	5.776	5.773	(0.895)	430554	23.2437	23.2	8385
	68 2-Hexanone	43	5.805	5.807	(0.899)	214454	19.0796	19.1	
	69 Dibromochloromethane	129	5.959	5.962	(0.923)	597718	23.0584	23.1	9406
	70 1,2-Dibromoethane(EDB)	107	6.074	6.070	(0.941)	402234	21.5160	21.5	9417
	151 1-chlorohexane	91	6.428	6.431	(0.996)	488690	21.6138	21.6	5617
*	71 CHLOROBENZENE-d5	82	6.457	6.459	(1.000)	1432464	50.0000		9432
	72 Chlorobenzene ++	112	6.485	6.488	(1.004)	1111731	22.0728	22.1	9090
	73 1,1,1,2-Tetrachloroethane	133	6.543	6.545	(1.013)	508532	23.5906	23.6	8627
	74 Ethylbenzene +	106	6.565	6.568	(1.017)	565253	21.5675	21.6	
	75 p,m-Xylene	106	6.668	6.671	(1.033)	1388245	46.4086	46.4	
	76 o-Xylene	106	7.052	7.054	(1.092)	687694	24.0400	24.0	
	77 Styrene	104	7.057	7.060	(1.093)	1189411	23.4613	23.5	9672

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/L)	SIMILARITY
	79 Bromoform ++	173	7.257	7.254	(1.124)	477468	23.8738	23.9	9476
	80 Isopropylbenzene	105	7.412	7.409	(1.148)	1827971	24.1358	24.1	9529
$	82 Bromofluorobenzene	174	7.578	7.580	(1.174)	1491095	50.9852	51.0	8966
	83 1,1,2,2-Tetrachloroethane++	83	7.698	7.706	(0.867)	381622	19.6248	19.6	9431
	84 trans-1,4-Dichloro-2-Butene	53	7.761	7.763	(0.874)	110670	21.1738	21.2	8705
	86 Bromobenzene	77	7.755	7.752	(0.873)	857530	21.6314	21.6	8905
	85 1,2,3-Trichloropropane	75	7.761	7.757	(0.874)	513355	20.8508	20.9	8861
	87 n-Propylbenzene	91	7.841	7.843	(0.883)	2181342	23.2551	23.3	
M	78 TOTAL XYLENE	106				2075939	70.4487	70.4	0
	88 2-Chlorotoluene	91	7.955	7.958	(0.896)	1385028	22.2944	22.3	
	89 1,3,5-Trimethylbenzene	105	8.030	8.032	(0.904)	1790429	23.1795	23.2	9289
	90 4-Chlorotoluene	91	8.070	8.072	(0.909)	1658252	21.8977	21.9	
	91 tert-butylbenzene	91	8.407	8.409	(0.947)	1101690	19.6580	19.7	9427(R)
	93 1,2,4-Trimethylbenzene	105	8.459	8.461	(0.952)	1814470	23.2413	23.2	
	94 sec-Butylbenzene	105	8.659	8.661	(0.975)	2092631	23.3248	23.3	
	96 1,3-Dichlorobenzene	146	8.807	8.810	(0.992)	1079712	21.8745	21.9	
	95 p-Isopropyltoluene	119	8.830	8.833	(0.994)	1922375	23.8274	23.8	7063
*	97 1,4-DICHLOROBENZENE-D4	152	8.882	8.884	(1.000)	1600332	50.0000		9639
	98 1,4-Dichlorobenzene	146	8.910	8.913	(1.003)	1102088	21.0973	21.1	
	99 n-Butylbenzene	91	9.334	9.336	(1.051)	1684843	23.6462	23.6	9679
	100 1,2-Dichlorobenzene	146	9.374	9.370	(1.055)	1022657	20.5246	20.5	
	101 1,2-Dibromo-3-Chloropropane	157	10.369	10.365	(1.167)	115146	19.8374	19.8	8915
	103 1,2,4-Trichlorobenzene	180	11.524	11.526	(1.298)	798480	22.3610	22.4	
	104 Hexachlorobutadiene	225	11.770	11.767	(1.325)	658296	22.7561	22.8	9473
	105 Naphthalene	128	11.861	11.870	(1.335)	1419516	21.2092	21.2	9756
	106 1,2,3-Trichlorobenzene	180	12.216	12.219	(1.375)	784402	22.5661	22.6	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

000549

Data File: /var/chem/msv3.i/2060806p.s.b/u8540.d

Page 1

Date : 06-AUG-2006 13:34

Client ID: LCSD FOR HBN 329645

Instrument: msv3.i

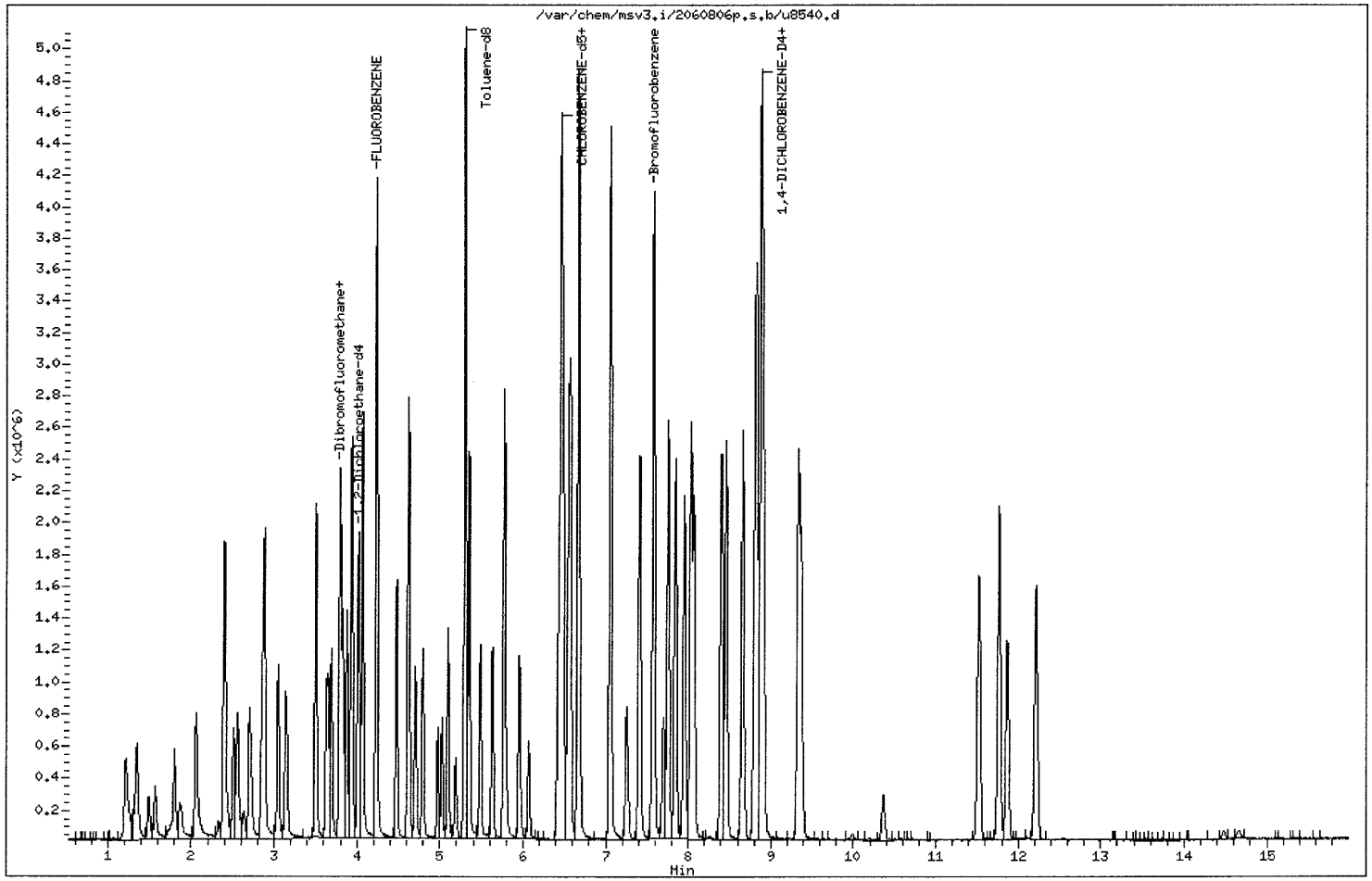
Sample Info: 398296%LCSD FOR HBN 329645

Purge Volume: 5.0

Operator: ABD

Column phase: DB-624

Column diameter: 0.53

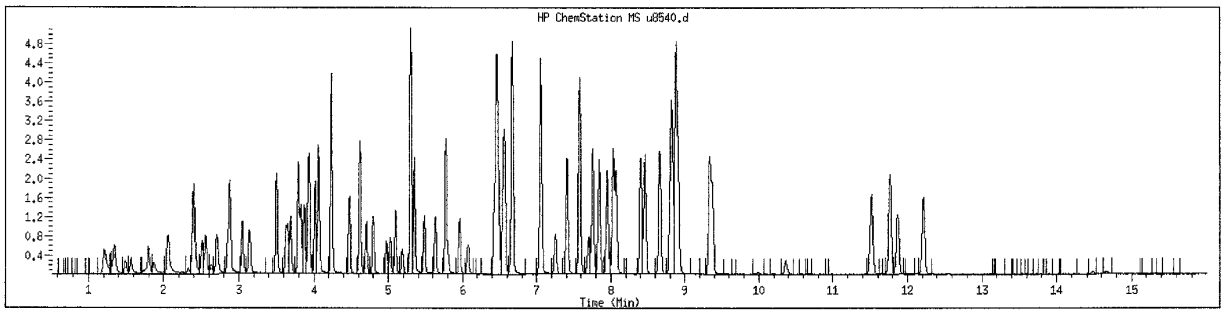


167010

Data file : /var/chem/msv3.i/2060806p.s.b/u8540.d Page: 1
Report Date: 08/06/2006 13:43

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 398296 SampleType : LCSD
Injection Date: 06-AUG-2006 13:34 Instrument : msv3.i
Operator : ABD
Sample Info : 398296*LCSD FOR HBN 329645
Misc Info : MSV~8817~*1*ABD
Method : /var/chem/msv3.i/2060806p.s.b/8260Bw3.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8260



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD400120

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400120

Level: (low/med) LOW

Lab File ID: 2060811/G7237

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 0858

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	1.54		0.105	0.250

FORM I VOA

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7237.d
Lab Smp Id: 400120 Client Smp ID: LCSD FOR HBN 330307
Inj Date : 11-AUG-2006 08:58
Operator : VWM Inst ID: msv5.i
Smp Info : 400120*LCSD FOR HBN 330307
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 4 QC Sample: LCSD
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
1	Dichlorodifluoromethane	85	1.416	1.416	(0.260)	310476	22.1761	1110	
2	Chloromethane ++	50	1.574	1.574	(0.289)	269210	22.8580	1140	
3	Vinyl Chloride +	62	1.644	1.644	(0.302)	236944	25.0214	1250	
5	Bromomethane	94	1.913	1.914	(0.352)	139768	22.4170	1120	
M 6	1-3 Dichloropropene-Total	100				629363	54.3640	2720	0
8	Chloroethane	64	2.007	2.007	(0.369)	84570	35.9597	1800	(R)
9	Trichlorofluoromethane	101	2.142	2.142	(0.394)	264891	23.7873	1190	
11	1,1-Dichloroethene +	96	2.629	2.623	(0.483)	105584	24.9612	1250	
12	Carbon Disulfide	76	2.646	2.647	(0.487)	480495	24.1507	1210	
13	1,1,2Trichlotrifluoroethane	101	2.676	2.670	(0.492)	130366	26.4558	1320	
14	Methyl Iodide	142	2.758	2.759	(0.507)	224317	23.6135	1180	
15	Acrolein	56	2.969	2.976	(0.546)	52925	118.906	5950	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	17 Methylene Chloride	49	3.227	3.228	(0.593)	222362	24.0220	1200	
	18 Acetone	43	3.291	3.292	(0.605)	69938	27.3258	1370	
	19 trans-1,2-Dichloroethene	61	3.397	3.392	(0.625)	220723	24.5180	1230	
	20 Methyl Acetate	43	3.426	3.427	(0.630)	115151	26.9647	1350	7624
	21 Hexane	57	3.485	3.480	(0.641)	274498	25.0525	1250	9010
	22 MTBE	73	3.520	3.515	(0.647)	365520	27.5306	1380	9202
	27 1,1-Dichloroethane ++	63	3.977	3.978	(0.731)	301393	25.1153	1260	
	29 Acrylonitrile	53	4.030	4.025	(0.741)	301602	138.474	6920	
	30 Vinyl Acetate	43	4.212	4.213	(0.774)	347096	27.4768	1370	
	31 cis-1,2-Dichloroethene	61	4.446	4.447	(0.817)	264114	25.2574	1260	
	32 2,2-Dichloropropane	77	4.534	4.535	(0.834)	264216	24.4316	1220	
	33 Bromochloromethane	128	4.611	4.612	(0.848)	73845	24.7779	1240	
	34 Cyclohexane	56	4.611	4.606	(0.848)	256942	26.6947	1330	9460
	35 Chloroform +	83	4.675	4.677	(0.860)	323379	25.8341	1290	
	36 Carbon Tetrachloride	117	4.781	4.782	(0.879)	263526	26.0616	1300	
$	39 Dibromofluoromethane	111	4.822	4.818	(0.887)	422300	53.8210	2690	8705
	40 1,1,1-Trichloroethane	97	4.828	4.835	(0.888)	267654	25.6155	1280	
	42 2-Butanone	43	4.922	4.918	(0.905)	116539	30.4360	1520	
	43 1,1-Dichloropropene	75	4.934	4.930	(0.907)	223339	25.2550	1260	
	45 Benzene	78	5.122	5.124	(0.942)	530954	25.5558	1280	
$	48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	287918	56.8620	2840	
	49 1,2-Dichloroethane	62	5.281	5.282	(0.971)	324248	25.3002	1270	
*	52 FLUOROBENZENE	96	5.439	5.435	(1.000)	1032796	50.0000		
	53 Methyl Cyclohexane	83	5.557	5.552	(1.022)	215912	26.0697	1300	9181
	54 Trichloroethene	130	5.562	5.564	(1.023)	139458	26.9239	1350	
	57 Dibromomethane	93	5.867	5.869	(1.079)	130625	26.5499	1330	
	59 1,2-Dichloropropane +	63	5.944	5.940	(1.093)	174866	26.3006	1320	
	60 Bromodichloromethane	83	5.985	5.987	(1.100)	264963	25.7697	1290	
M	61 Total 1,2-Dichloroethene	61				484837	49.7753	2490	
	64 1-Bromo-2-chloroethane	63	6.325	6.327	(1.163)	273810	26.6380	1330	9590
	65 2-Chloroethyl vinyl ether	63	6.378	6.380	(1.173)	150305	30.7112	1540	
	66 cis-1,3-Dichloropropene	75	6.431	6.427	(1.182)	310318	27.4531	1370	
$	67 Toluene-d8	98	6.560	6.556	(0.861)	1050731	54.2929	2710	
	69 Toluene +	91	6.595	6.592	(0.865)	576384	25.5358	1280	
	71 4-methyl-2-pentanone	43	6.848	6.844	(1.259)	235490	28.4250	1420	
	72 Tetrachloroethene	164	6.859	6.862	(0.900)	101115	27.4441	1370	
	73 trans-1,3-Dichloropropene	75	6.871	6.874	(0.901)	319045	26.9493	1350	
	75 1,1,2-Trichloroethane	97	6.989	6.985	(0.917)	139850	25.7473	1290	
	76 Dibromochloromethane	129	7.112	7.109	(0.933)	209660	26.5977	1330	
	77 1,3-Dichloropropane	76	7.177	7.174	(0.941)	279602	26.2952	1310	
	79 1,2-Dibromoethane(EDB)	107	7.282	7.279	(0.955)	165670	27.4382	1370	
	80 2-Hexanone	43	7.406	7.408	(0.972)	167130	30.4207	1520	
	82 1-Chlorohexane	91	7.599	7.596	(0.997)	246441	26.5396	1330	8763
*	83 CHLOROBENZENE-d5	82	7.623	7.620	(1.000)	571953	50.0000		
	84 Chlorobenzene ++	112	7.635	7.632	(1.002)	400947	27.1845	1360	
	85 Ethylbenzene +	106	7.640	7.643	(1.002)	205771	26.2614	1310	
	86 1,1,1,2-Tetrachloroethane	133	7.670	7.673	(1.006)	163057	26.5986	1330	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
87	p,m-Xylene	106	7.741	7.738	(1.015)	492636	53.9863	2700	
89	o-Xylene	106	8.034	8.031	(1.054)	258462	28.9273	1450	
90	Styrene	104	8.069	8.067	(1.059)	445304	28.1627	1410	
91	Bromoform ++	173	8.099	8.102	(1.062)	130304	29.5616	1480	
93	Isopropylbenzene	105	8.240	8.237	(1.081)	684890	26.8461	1340	
$ 94	Bromofluorobenzene	174	8.445	8.443	(1.108)	333990	56.7509	2840	
95	n-Propylbenzene	91	8.522	8.520	(0.927)	908749	27.2994	1360	
96	Bromobenzene	77	8.522	8.526	(0.927)	409200	27.0277	1350	
97	1,1,2,2-Tetrachloroethane++	83	8.569	8.567	(0.932)	234035	29.5747	1480	
98	2-Chlorotoluene	91	8.646	8.644	(0.940)	644245	27.2366	1360	
99	1,3,5-Trimethylbenzene	105	8.646	8.644	(0.940)	647523	26.6260	1330	
100	1,2,3-Trichloropropane	75	8.670	8.674	(0.943)	302909	30.4698	1520	
101	trans-1,4-Dichloro-2-Butene	53	8.687	8.691	(0.945)	71020	27.6402	1380	
103	4-Chlorotoluene	91	8.758	8.756	(0.953)	604444	27.5735	1380	
104	tert-butylbenzene	91	8.870	8.868	(0.965)	423440	27.9132	1400	
106	1,2,4-Trimethylbenzene	105	8.911	8.915	(0.969)	695421	29.2726	1460	
107	sec-Butylbenzene	105	8.988	8.986	(0.978)	827894	27.8534	1390	
108	p-Isopropyltoluene	119	9.070	9.075	(0.987)	702636	28.1844	1410	
110	1,3-Dichlorobenzene	146	9.153	9.151	(0.996)	327735	27.7610	1390	
* 111	1,4-DICHLOROBENZENE-D4	152	9.194	9.199	(1.000)	403666	50.0000		
112	1,4-Dichlorobenzene	146	9.206	9.205	(1.001)	337668	27.2564	1360	
115	n-Butylbenzene	91	9.347	9.346	(1.017)	766968	28.1806	1410	
116	1,2-Dichlorobenzene	146	9.482	9.487	(1.031)	324025	28.0930	1400	
120	1,2-Dibromo-3-Chloropropane	157	9.993	9.992	(1.087)	47960	33.3241	1670	
122	Hexachlorobutadiene	225	10.375	10.375	(1.128)	139534	29.9966	1500	
123	1,2,4-Trichlorobenzene	180	10.411	10.410	(1.132)	233788	30.5990	1530	
M 124	TOTAL XYLENE	106				751098	82.9136	4150	
125	Naphthalene	128	10.623	10.623	(1.155)	692992	31.2779	1560	
126	1,2,3-Trichlorobenzene	180	10.747	10.747	(1.169)	222996	30.0553	1500	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

000554

167015

Data File: /var/chem/msv5.i/2060811.s.b/g7237.d

Page 1

Date : 11-AUG-2006 08:58

Client ID: LCSD FOR HBN 330307

Instrument: msv5.i

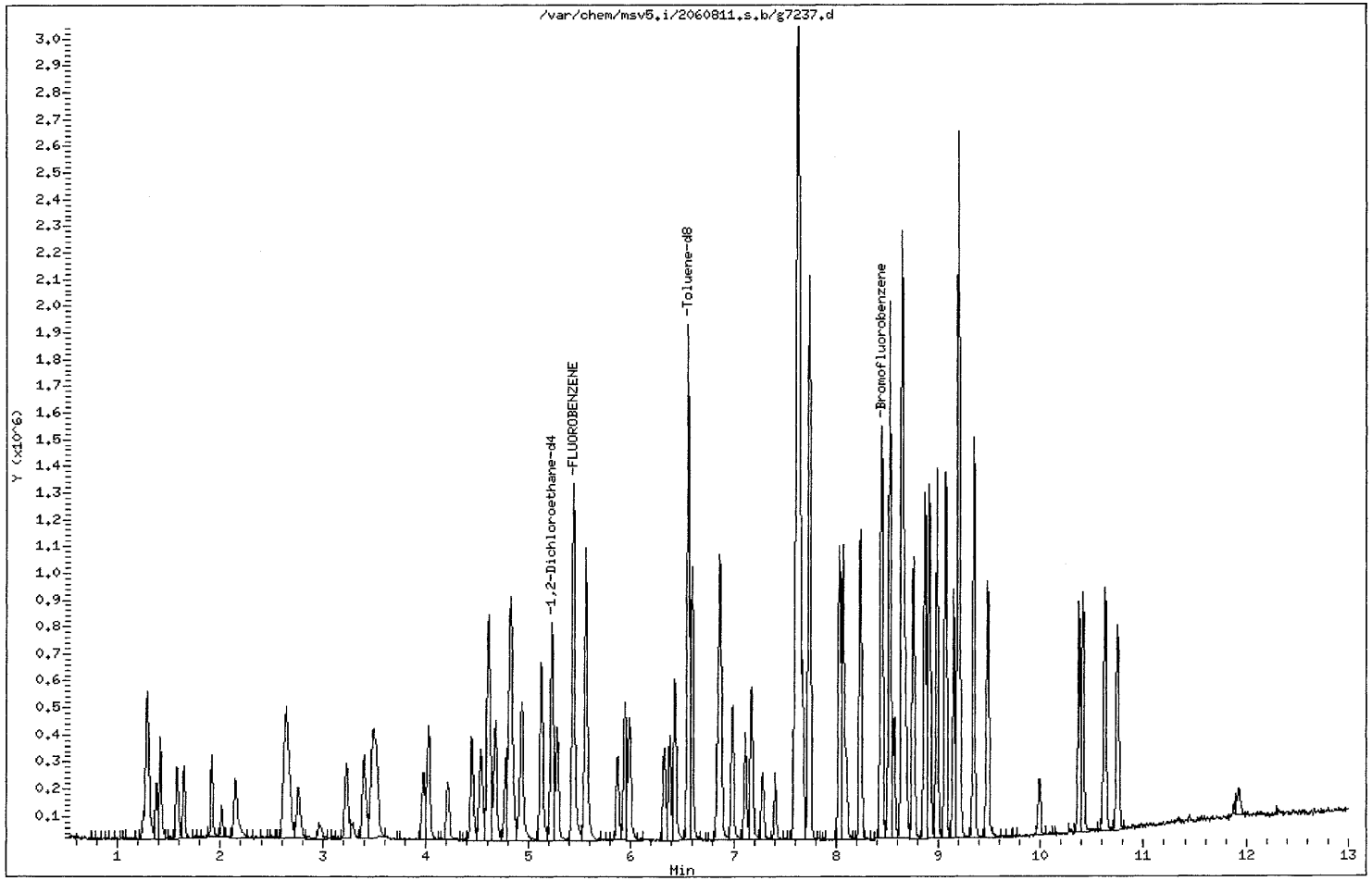
Sample Info: 400120*LCSD FOR HBN 330307

Purge Volume: 5.0

Operator: WWM

Column phase: DB-WRX-30M

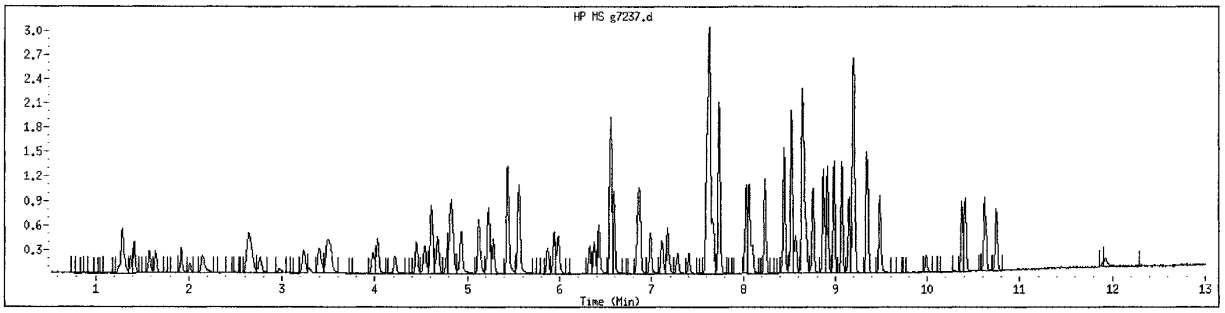
Column diameter: 0.53



Data file : /var/chem/msv5.i/2060811.s.b/g7237.d Page: 1
Report Date: 08/11/2006 11:32

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 400120 SampleType : LCSD
Injection Date: 11-AUG-2006 08:58 Instrument : msv5.i
Operator : VWM
Sample Info : 400120*LCSD FOR HBN 330307
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



NO MANUAL INTEGRATIONS

000556

167017

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD400443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 400443

Lab File ID: 2060811P/B6595

Date Collected: Time:

Date Received:

Date Analyzed: 08/11/06 Time: 1320

Dilution Factor: 1 Analyst: AJV

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.029		0.000374	0.025
107-02-8	Acrolein	0.132		0.00234	0.025
107-13-1	Acrylonitrile	0.129		0.000712	0.025
75-27-4	Bromodichloromethane	0.024		0.000135	0.00500
75-25-2	Bromoform	0.021		0.000169	0.00500
74-83-9	Bromomethane	0.030		0.00151	0.00500
75-15-0	Carbon disulfide	0.023		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.026		0.000120	0.00500
75-00-3	Chloroethane	0.028		0.000606	0.00500
136777-61-	m,p-Xylene	0.057		0.000398	0.00500
67-66-3	Chloroform	0.027		0.000141	0.00500
74-87-3	Chloromethane	0.026		0.000464	0.00500
124-48-1	Dibromochloromethane	0.023		0.000090	0.00500
74-95-3	Dibromomethane	0.020		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.028		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.028		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.027		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.026		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.027		0.000164	0.00500
75-09-2	Methylene chloride	0.031		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	0.028		0.000207	0.00500
591-78-6	2-Hexanone	0.027		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.030		0.000153	0.00500
78-93-3	2-Butanone	0.029		0.000312	0.00500
74-88-4	Methyl iodide	0.031		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.026		0.000173	0.00500
103-65-1	n-Propylbenzene	0.029		0.000140	0.00500
100-42-5	Styrene	0.029		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD400443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400443

Level: (low/med) LOW

Lab File ID: 2060811P/B6595

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1320

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.030		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.025		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.028		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.028		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.025		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.027		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.029		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.027		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.028		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.028		0.000163	0.00500
75-01-4	Vinyl chloride	0.026		0.000351	0.00500
95-47-6	o-Xylene	0.028		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.022		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.026		0.000150	0.00500
108-05-4	Vinyl acetate	0.027		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.024		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.029		0.000161	0.00500
1330-20-7	Xylene (total)	0.085		0.000572	0.010
108-87-2	Methylcyclohexane	0.029		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.024		0.000721	0.00500
110-82-7	Cyclohexane	0.028		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.024		0.000176	0.00500
79-20-9	Methyl Acetate	0.026		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.028		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.027		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.00210	0.00500
142-28-9	1,3-Dichloropropane	0.027		0.000136	0.00500
108-86-1	Bromobenzene	0.027		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.026		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.027		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.029		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.028		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD400443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 400443

Level: (low/med) LOW

Lab File ID: 2060811P/B6595

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 1320

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.028		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.027		0.000421	0.00500
104-51-8	n-Butylbenzene	0.028		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.027		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.028		0.00125	0.00500
91-20-3	Naphthalene	0.030		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.024		0.000359	0.00500
71-43-2	Benzene	0.026		0.000104	0.00500
79-01-6	Trichloroethene	0.028		0.000177	0.00500
108-88-3	Toluene	0.028		0.000550	0.00500
108-90-7	Chlorobenzene	0.028		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6595.d
Lab Smp Id: 400443 Client Smp ID: LCSD FOR HBN 330354
Inj Date : 11-AUG-2006 13:20
Operator : AJV Inst ID: msv6.i
Smp Info : 400443*LCSD FOR HBN 330354
Misc Info : MSV~8854~*1*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:15 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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	1.030	1.030	(0.231)	266645	27.9127	27.9	9715
2	Chloromethane ++	50	1.091	1.094	(0.245)	55479	26.0047	26.0	6395
3	Vinyl Chloride +	62	1.152	1.155	(0.258)	121440	26.2162	26.2	8966
4	Bromomethane	94	1.286	1.289	(0.288)	142559	29.7603	29.8	9472
5	Chloroethane	64	1.342	1.342	(0.301)	83879	27.6369	27.6	7656
7	Acrolein	56	1.565	1.562	(0.351)	40458	132.389	132	4687
6	Trichlorofluoromethane	101	1.562	1.568	(0.350)	270976	28.6763	28.7	9682
8	Acetone	43	1.618	1.626	(0.363)	66108	29.1497	29.1	8083
10	1,1-Dichloroethene +	96	1.802	1.805	(0.404)	98312	24.1545	24.2	7541
11	Methyl Iodide	142	1.819	1.822	(0.408)	81085	31.0962	31.1	4765
12	Acrylonitrile	53	1.838	1.847	(0.412)	147511	128.794	129	7977
13	Methylene Chloride	49	1.883	1.886	(0.422)	178294	30.7485	30.7	8820
14	1,1,2Trichlotrifluoroethane	101	1.911	1.916	(0.428)	133999	28.2054	28.2	8246

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	15 Methyl Acetate	43	1.925	1.928	(0.432)	54036	25.7168	25.7	8277
	16 Carbon Disulfide	76	1.975	1.975	(0.443)	330596	22.9373	22.9	8640
	17 trans-1,2-Dichloroethene	61	2.262	2.265	(0.507)	176242	26.6826	26.7	9464
	18 MTBE	73	2.357	2.360	(0.529)	378028	24.0949	24.1	8760
	19 1,1-Dichloroethane ++	63	2.430	2.430	(0.545)	228954	27.4542	27.5	9591
	20 Vinyl Acetate	43	2.588	2.588	(0.580)	113186	27.3317	27.3	
	22 Hexane	57	2.773	2.773	(0.622)	214794	33.7256	33.7	9070
	23 2-Butanone	43	2.770	2.775	(0.621)	172271	29.4309	29.4	
	24 cis-1,2-Dichloroethene	61	2.884	2.881	(0.647)	172486	25.6324	25.6	8748
	25 Bromochloromethane	128	3.018	3.024	(0.677)	49173	25.9356	25.9	9129
	26 Chloroform +	83	3.082	3.079	(0.691)	263275	26.8491	26.8	9414
	27 2,2-Dichloropropane	77	3.138	3.138	(0.704)	208949	24.3156	24.3	9226
$	28 Dibromofluoromethane	111	3.191	3.188	(0.715)	253933	51.3040	51.3	6258
$	31 1,2-Dichloroethane-d4	67	3.620	3.615	(0.812)	179189	49.0198	49.0	9384
	32 1,2-Dichloroethane	62	3.698	3.698	(0.829)	226082	26.4624	26.5	9313
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	212004	25.4082	25.4	5219
	34 1,1-Dichloropropene	75	3.988	3.991	(0.894)	199276	26.9402	26.9	8851
	35 Cyclohexane	56	4.039	4.039	(0.906)	199043	27.8414	27.8	6864
	38 Carbon Tetrachloride	117	4.133	4.133	(0.927)	149886	25.7895	25.8	9292
	40 Benzene	78	4.197	4.200	(0.941)	537517	26.1628	26.2	8335
*	41 FLUOROBENZENE	96	4.460	4.462	(1.000)	1040048	50.0000		9518
	46 Dibromomethane	93	4.786	4.792	(1.073)	71453	19.7564	19.8	9442
	48 1,2-Dichloropropane +	63	4.856	4.853	(1.089)	135673	23.3067	23.3	9377
	49 Trichloroethene	130	4.903	4.911	(1.099)	155190	27.6645	27.7	9596
	50 Bromodichloromethane	83	4.953	4.953	(1.111)	208352	23.7736	23.8	9412
	54 1-Bromo-2-chloroethane	63	5.405	5.402	(1.212)	207041	27.3531	27.4	9579
	55 Methyl cyclohexane	83	5.441	5.447	(1.220)	294713	28.7036	28.7	9141
	56 cis-1,3-Dichloropropene	75	5.742	5.740	(1.288)	221513	23.1394	23.1	
	58 4-methyl-2-pentanone	43	5.965	5.963	(1.338)	112860	25.4994	25.5	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.761)	196867	23.7717	23.8	
	64 1,1,2-Trichloroethane	97	6.406	6.412	(0.776)	121518	27.1092	27.1	9507
$	68 Toluene-d8	98	6.548	6.551	(0.794)	1165212	59.1132	59.1	9537
	69 Toluene +	91	6.626	6.626	(0.803)	654086	27.5319	27.5	9121
	70 1,3-Dichloropropane	76	6.702	6.702	(0.812)	221824	27.0172	27.0	9178
	72 Dibromochloromethane	129	6.933	6.933	(0.840)	110184	22.5739	22.6	9353
	74 2-Hexanone	43	7.034	7.028	(0.852)	84256	26.5293	26.5	9088
	77 1,2-Dibromoethane(EDB)	107	7.201	7.206	(0.873)	110300	25.7496	25.7	9500
	81 Tetrachloroethene	164	7.460	7.466	(0.904)	110555	30.0587	30.1	9659
	84 1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	117640	24.5930	24.6	9522
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	512224	50.0000		9464
	86 Chlorobenzene ++	112	8.286	8.288	(1.004)	392907	27.5642	27.6	9428
	87 1-Chlorohexane	91	8.358	8.361	(1.874)	225135	28.0642	28.1	9411
	88 Ethylbenzene +	106	8.609	8.612	(1.043)	224815	27.7732	27.8	8907
	92 Bromoform ++	173	8.838	8.841	(1.071)	58905	21.3298	21.3	9242
	93 p,m-Xylene	106	8.888	8.885	(1.077)	548458	56.7310	56.7	9539
M	79 Total 1,2-Dichloroethene	61				348728	52.3053	52.3	0
M	80 1-3 Dichloropropene-Total	100				418380	45.6845	45.7	0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
95 Styrene	104	9.259	9.264	(1.122)	455438	28.8189	28.8	7661
96 1,1,2,2-Tetrachloroethane++	83	9.320	9.323	(0.858)	143738	28.1306	28.1	8999
97 o-Xylene	106	9.331	9.337	(1.131)	273171	27.7455	27.7	
100 1,2,3-Trichloropropane	75	9.468	9.474	(0.872)	134666	26.9315	26.9	7282
104 trans-1,4-Dichloro-2-Butene	53	9.577	9.582	(0.882)	23791	24.0317	24.0	8503
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	307149	53.7397	53.7	9369
103 Isopropylbenzene	105	9.739	9.741	(1.180)	688898	29.9134	29.9	9190
105 Bromobenzene	77	9.872	9.875	(0.909)	313743	27.2654	27.3	9394
111 n-Propylbenzene	91	10.160	10.160	(0.936)	935031	29.2815	29.3	8227(M)
107 2-Chlorotoluene	91	10.185	10.188	(0.938)	543748	26.3994	26.4	5971(MH)
108 4-Chlorotoluene	91	10.266	10.268	(0.946)	561650	27.4263	27.4	9508
110 1,3,5-Trimethylbenzene	105	10.458	10.461	(0.963)	627478	28.2631	28.3	
112 tert-butylbenzene	91	10.642	10.642	(0.980)	420009	29.0329	29.0	9274
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.991)	619894	27.6355	27.6	
114 sec-Butylbenzene	105	10.821	10.821	(0.997)	795890	28.2961	28.3	
115 1,3-Dichlorobenzene	146	10.815	10.821	(0.996)	274740	27.5671	27.6	
* 116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	357539	50.0000		9657
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	289305	27.0232	27.0	
118 p-Isopropyltoluene	119	10.988	10.991	(1.012)	658405	28.8132	28.8	9399
119 1,2-Dichlorobenzene	146	11.127	11.130	(1.025)	270709	27.2010	27.2	
120 n-Butylbenzene	91	11.286	11.286	(1.040)	679777	28.3207	28.3	9661
124 1,2-Dibromo-3-Chloropropane	157	11.467	11.470	(1.056)	21295	22.3903	22.4	9078
122 1,2,4-Trichlorobenzene	180	12.385	12.388	(1.141)	193460	27.7831	27.8	
123 Napthalene	128	12.530	12.530	(1.154)	444376	29.6624	29.7	9397
125 Hexachlorobutadiene	225	12.602	12.602	(1.161)	139112	27.6922	27.7	9549
126 1,2,3-Trichlorobenzene	180	12.655	12.655	(1.166)	173328	27.4096	27.4	
M 127 TOTAL XYLENE	106				821629	84.4765	84.5	0

QC Flag Legend

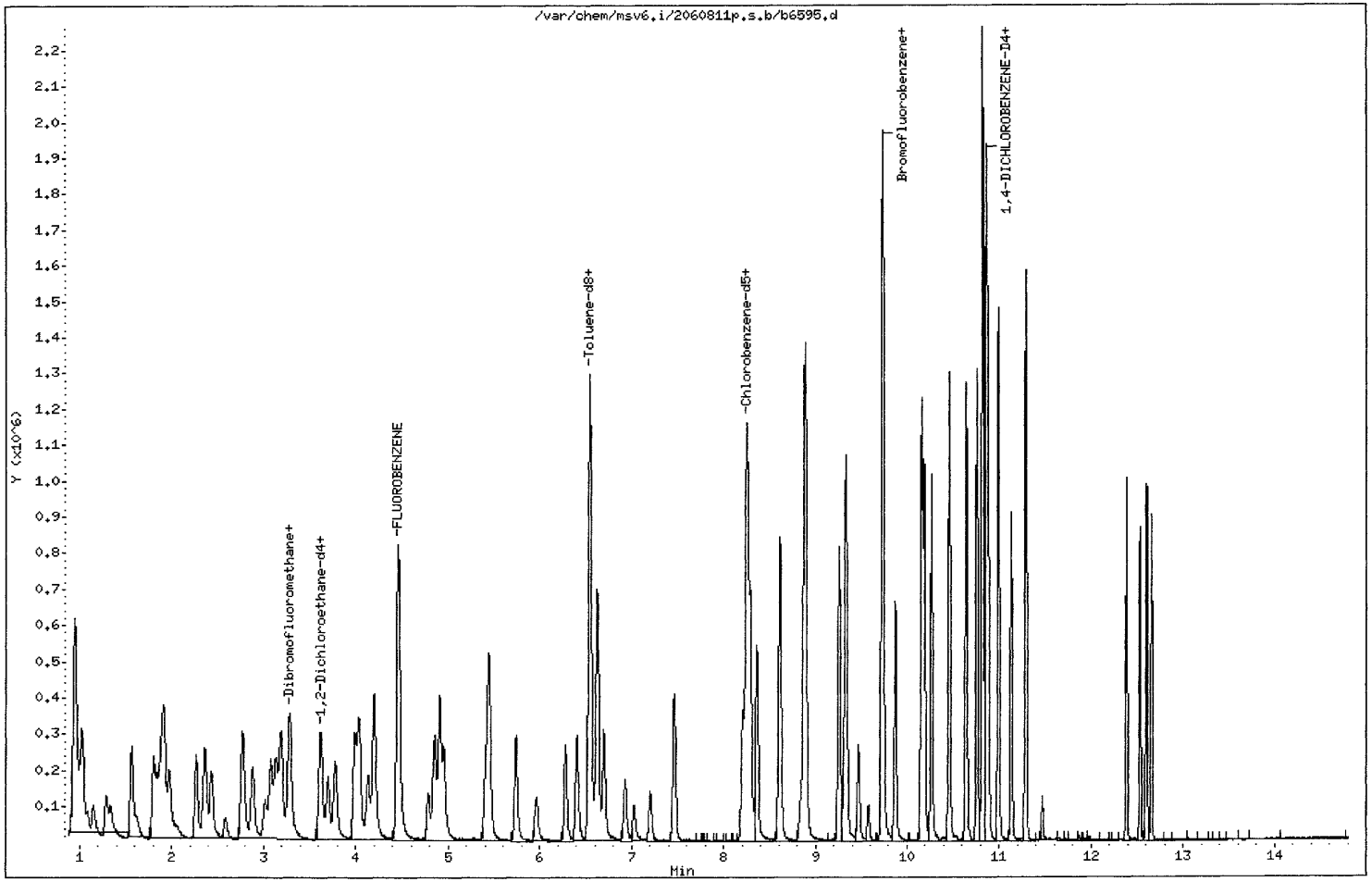
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv6.i/2060811p.s.b/b6595.d
Date : 11-AUG-2006 13:20
Client ID: LCSD FOR HBN 330354
Sample Info: 400443*LCSD FOR HBN 330354

Instrument: msv6.i

Operator: AJW
Column diameter: 0.53

Column phase: DB-624-30M

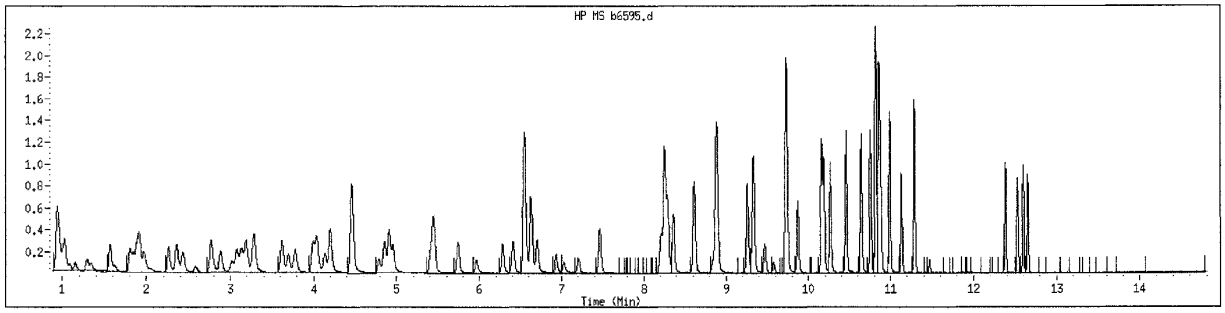


000563

Data file : /var/chem/msv6.i/2060811p.s.b/b6595.d Page: 1
Report Date: 08/12/2006 11:24

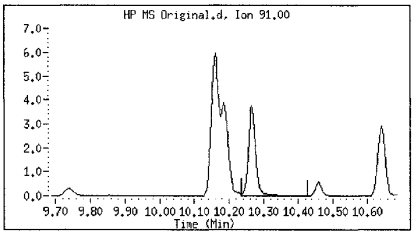
MANUAL INTEGRATION GRAPHIC REPORT

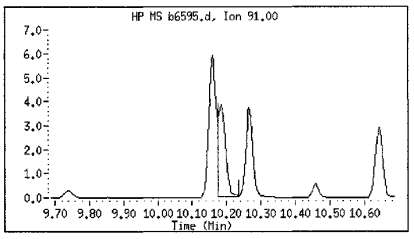
Lab ID : 400443 SampleType : LCSD
Injection Date: 11-AUG-2006 13:20 Instrument : msv6.i
Operator : AJV
Sample Info : 400443*LCSD FOR HBN 330354
Misc Info : MSV~8854~*1*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



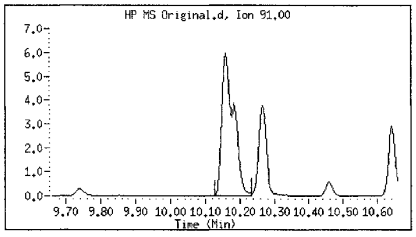
Original Final

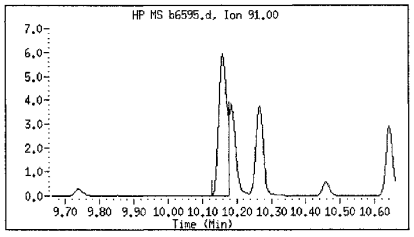
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043102

Level: (low/med) LOW

Lab File ID: 2060811P/B6617MS

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 2213

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.234		0.00152	0.043
71-55-6	1,1,1-Trichloroethane	0.260		0.00106	0.043
79-34-5	1,1,2,2-Tetrachloroethane	0.252		0.00155	0.043
79-00-5	1,1,2-Trichloroethane	0.240		0.000982	0.043
75-34-3	1,1-Dichloroethane	0.260		0.00137	0.043
75-35-4	1,1-Dichloroethene	0.298		0.00309	0.043
563-58-6	1,1-Dichloropropene	0.257		0.00112	0.043
96-18-4	1,2,3-Trichloropropane	0.243		0.00211	0.017
120-82-1	1,2,4-Trichlorobenzene	0.238		0.00282	0.043
95-63-6	1,2,4-Trimethylbenzene	0.279		0.00171	0.043
96-12-8	1,2-Dibromo-3-chloropropane	0.188		0.00746	0.043
106-93-4	1,2-Dibromoethane	0.229		0.00129	0.043
95-50-1	1,2-Dichlorobenzene	0.269		0.000982	0.043
107-06-2	1,2-Dichloroethane	0.248		0.000982	0.043
78-87-5	1,2-Dichloropropane	0.210		0.000965	0.043
108-67-8	1,3,5-Trimethylbenzene	0.289		0.00140	0.043
541-73-1	1,3-Dichlorobenzene	0.272		0.00203	0.043
142-28-9	1,3-Dichloropropane	0.240		0.00117	0.043
106-46-7	1,4-Dichlorobenzene	0.274		0.00363	0.043
594-20-7	2,2-Dichloropropane	0.238		0.00152	0.043
78-93-3	2-Butanone	0.248		0.00269	0.043
95-49-8	2-Chlorotoluene	0.303		0.00129	0.043
591-78-6	2-Hexanone	0.207		0.00712	0.043
106-43-4	4-Chlorotoluene	0.286		0.00280	0.043
99-87-6	4-Isopropyltoluene	0.286		0.00139	0.043
108-10-1	4-Methyl-2-pentanone	0.208		0.00149	0.043
67-64-1	Acetone	0.224		0.00322	0.215
107-02-8	Acrolein	0.043	J	0.020	0.215
107-13-1	Acrylonitrile	0.865		0.00613	0.215
71-43-2	Benzene	0.252		0.000896	0.043
108-86-1	Bromobenzene	0.265		0.00202	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043102

Level: (low/med) LOW

Lab File ID: 2060811P/B6617MS

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 2213

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.210		0.00116	0.043
75-25-2	Bromoform	0.165		0.00146	0.043
74-83-9	Bromomethane	0.298		0.013	0.043
104-51-8	n-Butylbenzene	0.284		0.00153	0.043
75-15-0	Carbon disulfide	0.190		0.000939	0.043
56-23-5	Carbon tetrachloride	0.241		0.00103	0.043
108-90-7	Chlorobenzene	0.258		0.00142	0.043
75-00-3	Chloroethane	0.243		0.00522	0.043
67-66-3	Chloroform	0.264		0.00121	0.043
74-87-3	Chloromethane	0.221		0.00400	0.043
110-82-7	Cyclohexane	0.264		0.00953	0.043
124-48-1	Dibromochloromethane	0.193		0.000775	0.043
74-95-3	Dibromomethane	0.188		0.00134	0.043
75-71-8	Dichlorodifluoromethane	0.245		0.00314	0.043
10061-01-5	cis-1,3-Dichloropropene	0.205		0.000991	0.043
10061-02-6	trans-1,3-Dichloropropene	0.202		0.00121	0.043
100-41-4	Ethylbenzene	0.272		0.00178	0.043
87-68-3	Hexachlorobutadiene	0.186		0.011	0.043
98-82-8	Isopropylbenzene (Cumene)	0.298		0.00132	0.043
79-20-9	Methyl Acetate	0.208		0.013	0.043
74-88-4	Methyl iodide	0.222		0.00781	0.043
108-87-2	Methylcyclohexane	0.248		0.00319	0.043
75-09-2	Methylene chloride	0.248		0.00413	0.086
91-20-3	Naphthalene	0.234		0.00324	0.043
100-42-5	Styrene	0.264		0.00131	0.043
127-18-4	Tetrachloroethene	0.281		0.00165	0.043
108-88-3	Toluene	0.262		0.00474	0.043
79-01-6	Trichloroethene	0.252		0.00152	0.043
75-69-4	Trichlorofluoromethane	0.283		0.00217	0.043
76-13-1	Trichlorotrifluoroethane	0.269		0.00162	0.043
108-05-4	Vinyl acetate	0.129		0.00843	0.043
75-01-4	Vinyl chloride	0.250		0.00302	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043102

Level: (low/med) LOW

Lab File ID: 2060811P/B6617MS

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 2213

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.813		0.00493	0.086
156-59-2	cis-1,2-Dichloroethene	0.252		0.00109	0.043
136777-61-	m,p-Xylene	0.543		0.00343	0.043
103-65-1	n-Propylbenzene	0.303		0.00121	0.043
95-47-6	o-Xylene	0.271		0.00150	0.043
135-98-8	sec-Butylbenzene	0.283		0.00101	0.043
1634-04-4	tert-Butyl methyl ether (MTBE)	0.210		0.000638	0.043
98-06-6	tert-Butylbenzene	0.295		0.00217	0.043
156-60-5	trans-1,2-Dichloroethene	0.257		0.00141	0.043
110-57-6	trans-1,4-Dichloro-2-butene	0.202		0.00621	0.043

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6617ms.d
Lab Smp Id: 20608043102 Client Smp ID: FWPSE01-001-(0-0.5)
Inj Date : 11-AUG-2006 22:13
Operator : JCK Inst ID: msv6.i
Smp Info : 20608043102*FWPSE01-001-(0-0.5) MS
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 56 QC Sample: MS
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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	1.030	1.030	(0.231)	255916	28.4287	142	9675
2 Chloromethane ++	50	1.091	1.094	(0.245)	51449	25.5912	128	6451
3 Vinyl Chloride +	62	1.152	1.155	(0.258)	126479	28.9745	145	8962
4 Bromomethane	94	1.286	1.289	(0.288)	156102	34.5813	173	9478
5 Chloroethane	64	1.336	1.342	(0.300)	80685	28.2110	141	7477
7 Acrolein	56	1.562	1.562	(0.350)	1451	5.03854	25.2	3624(RH)
6 Trichlorofluoromethane	101	1.565	1.568	(0.351)	292818	32.8837	164	9666
8 Acetone	43	1.624	1.626	(0.364)	56672	26.0826	130	8331
10 1,1-Dichloroethene +	96	2.265	1.805	(0.508)	132498	34.5455	173	7416(RH)
11 Methyl Iodide	142	1.813	1.822	(0.407)	60950	25.7224	129	3968
12 Acrylonitrile	53	1.844	1.847	(0.413)	108313	100.356	502	8094
13 Methylene Chloride	49	1.883	1.886	(0.422)	159534	28.7988	144	8840
14 1,1,2Trichlotrifluoroethane	101	1.911	1.916	(0.428)	139402	31.1380	156	8199

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	15 Methyl Acetate	43	1.925	1.928	(0.432)	47960	24.2216	121	8422
	16 Carbon Disulfide	76	1.972	1.975	(0.442)	298831	22.0019	110	8602
	17 trans-1,2-Dichloroethene	61	2.268	2.265	(0.508)	185638	29.8247	149	9352
	18 MTBE	73	2.357	2.360	(0.529)	359755	24.3332	122	8854
	19 1,1-Dichloroethane ++	63	2.435	2.430	(0.546)	237285	30.1940	151	9645
	20 Vinyl Acetate	43	2.588	2.588	(0.580)	58491	14.9883	74.9	
	22 Hexane	57	2.770	2.773	(0.621)	185450	30.4630	152	9165
	23 2-Butanone	43	2.778	2.775	(0.623)	159472	28.8628	144	
	24 cis-1,2-Dichloroethene	61	2.881	2.881	(0.646)	185774	29.2962	146	8708
	25 Bromochloromethane	128	3.021	3.024	(0.677)	48069	26.9045	135	9296
	26 Chloroform +	83	3.079	3.079	(0.690)	283192	30.6473	153	9428
	27 2,2-Dichloropropane	77	3.138	3.138	(0.704)	222759	27.5087	138	9082
$	28 Dibromofluoromethane	111	3.188	3.188	(0.715)	252573	54.1514	271	6357
$	31 1,2-Dichloroethane-d4	67	3.618	3.615	(0.811)	175075	50.8247	254	9380
	32 1,2-Dichloroethane	62	3.696	3.698	(0.829)	232588	28.8896	144	9252
	33 1,1,1-Trichloroethane	97	3.776	3.779	(0.847)	236692	30.1026	151	5200
	34 1,1-Dichloropropene	75	3.994	3.991	(0.896)	207077	29.7077	149	8668
	35 Cyclohexane	56	4.033	4.039	(0.904)	206745	30.6881	153	6905
	38 Carbon Tetrachloride	117	4.136	4.133	(0.927)	153017	27.9391	140	9335
	40 Benzene	78	4.198	4.200	(0.941)	563533	29.1073	146	8379
*	41 FLUOROBENZENE	96	4.460	4.462	(1.000)	980083	50.0000		9563
	46 Dibromomethane	93	4.783	4.792	(1.073)	74154	21.7577	109	9244
	48 1,2-Dichloropropane +	63	4.853	4.853	(1.088)	133550	24.3457	122	9513
	49 Trichloroethene	130	4.906	4.911	(1.100)	153582	29.1906	146	9542
	50 Bromodichloromethane	83	4.953	4.953	(1.111)	201518	24.4007	122	9395
	54 1-Bromo-2-chloroethane	63	5.405	5.402	(1.212)	200431	28.1000	140	9486
	55 Methyl cyclohexane	83	5.447	5.447	(1.221)	278802	28.8154	144	9255
	56 cis-1,3-Dichloropropene	75	5.740	5.740	(1.287)	214313	23.7571	119	
	58 4-methyl-2-pentanone	43	5.963	5.963	(1.337)	101197	24.2632	121	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.761)	184864	23.3805	117	
	64 1,1,2-Trichloroethane	97	6.403	6.412	(0.776)	118645	27.7229	139	9560
$	68 Toluene-d8	98	6.546	6.551	(0.793)	1095262	58.1983	291	9595
	69 Toluene +	91	6.629	6.626	(0.803)	690985	30.4637	152	9181(R)
	70 1,3-Dichloropropane	76	6.702	6.702	(0.812)	217786	27.7827	139	9264
	72 Dibromochloromethane	129	6.933	6.933	(0.840)	104328	22.3873	112	9393
	74 2-Hexanone	43	7.031	7.028	(0.852)	72966	24.0635	120	9205
	77 1,2-Dibromoethane(EDB)	107	7.204	7.206	(0.873)	109148	26.6885	133	9523
	81 Tetrachloroethene	164	7.466	7.466	(0.905)	113444	32.6096	163	9619(R)
	84 1,1,1,2-Tetrachloroethane	133	8.208	8.213	(0.995)	124249	27.2058	136	9500
*	85 Chlorobenzene-d5	82	8.252	8.255	(1.000)	489043	50.0000		9532
	86 Chlorobenzene ++	112	8.286	8.288	(1.004)	406981	29.9049	150	9463
	87 1-Chlorohexane	91	8.364	8.361	(1.875)	234284	30.9915	155	9471
	88 Ethylbenzene +	106	8.612	8.612	(1.044)	243466	31.5030	158	8918(R)
	92 Bromoform ++	173	8.843	8.841	(1.072)	50414	19.1204	95.6	8526
	93 p,m-Xylene	106	8.888	8.885	(1.077)	581749	63.0269	315	9563(R)
M	79 Total 1,2-Dichloroethene	61				371412	59.1160	296	0
M	80 1-3 Dichloropropene-Total	100				399177	46.2545	231	0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
95 Styrene	104	9.262	9.264	(1.122)	461442	30.5829	153	7740(R)
96 1,1,2,2-Tetrachloroethane++	83	9.317	9.323	(0.858)	139390	29.2608	146	9333
97 o-Xylene	106	9.331	9.337	(1.131)	295450	31.4307	157	(R)
100 1,2,3-Trichloropropane	75	9.471	9.474	(0.872)	131700	28.2511	141	7241
104 trans-1,4-Dichloro-2-Butene	53	9.577	9.582	(0.882)	21480	23.3924	117	8403
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	284933	52.2158	261	9277
103 Isopropylbenzene	105	9.739	9.741	(1.180)	760143	34.5716	173	9188(R)
105 Bromobenzene	77	9.875	9.875	(0.910)	330755	30.8312	154	9357
111 n-Propylbenzene	91	10.160	10.160	(0.936)	1046009	35.1357	176	8271(RM)
107 2-Chlorotoluene	91	10.185	10.188	(0.938)	674628	35.1323	176	5947(RMH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	634247	33.2205	166	9531(R)
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.964)	694153	33.5369	168	(R)
112 tert-butylbenzene	91	10.642	10.642	(0.980)	460256	34.1254	171	9272(R)
113 1,2,4-Trimethylbenzene	105	10.756	10.759	(0.991)	678934	32.4657	162	(R)
114 sec-Butylbenzene	105	10.821	10.821	(0.997)	859946	32.7938	164	(R)
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	292959	31.5299	158	(R)
* 116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	333332	50.0000		9645
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	317244	31.7848	159	(R)
118 p-Isopropyltoluene	119	10.988	10.991	(1.012)	705254	33.1047	166	9423(R)
119 1,2-Dichlorobenzene	146	11.130	11.130	(1.025)	289278	31.1777	156	(R)
120 n-Butylbenzene	91	11.286	11.286	(1.040)	737110	32.9395	165	9663(R)
124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	19243	21.7021	109	9035
122 1,2,4-Trichlorobenzene	180	12.385	12.388	(1.141)	178649	27.5193	138	
123 Napthalene	128	12.530	12.530	(1.154)	380877	27.2701	136	9524
125 Hexachlorobutadiene	225	12.602	12.602	(1.161)	100942	21.5532	108	9412
126 1,2,3-Trichlorobenzene	180	12.653	12.655	(1.165)	152923	25.9390	130	
M 127 TOTAL XYLENE	106				877199	94.4576	472	0(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv6.i/2060811p.s.b/b6617ms.d

Date : 11-AUG-2006 22:13

Client ID: FWPSE01-001-(0-0.5)

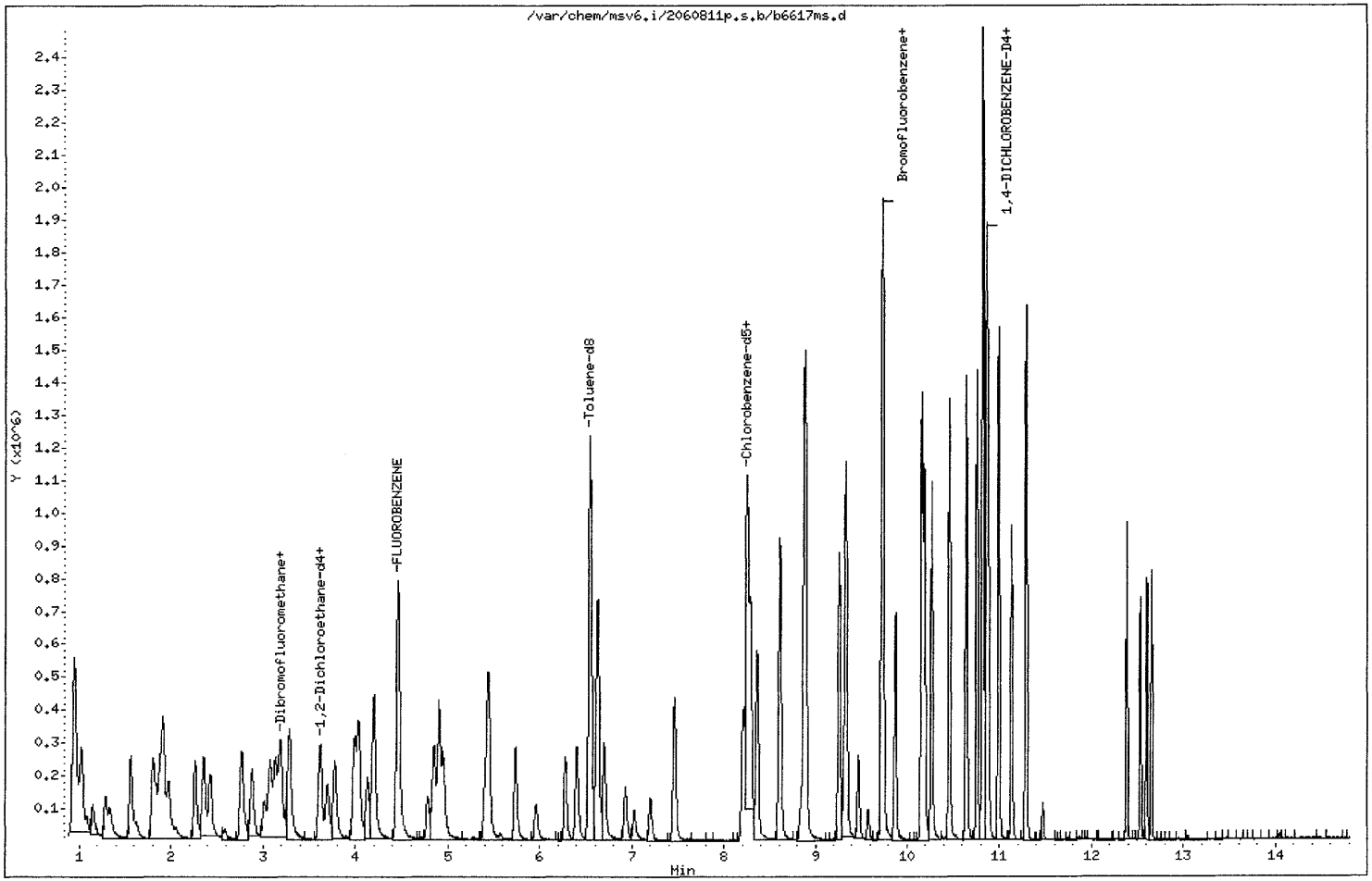
Instrument: msv6.i

Sample Info: 20608043102*FWPSE01-001-(0-0.5) MS

Operator: JCK

Column phase: DB-624-30M

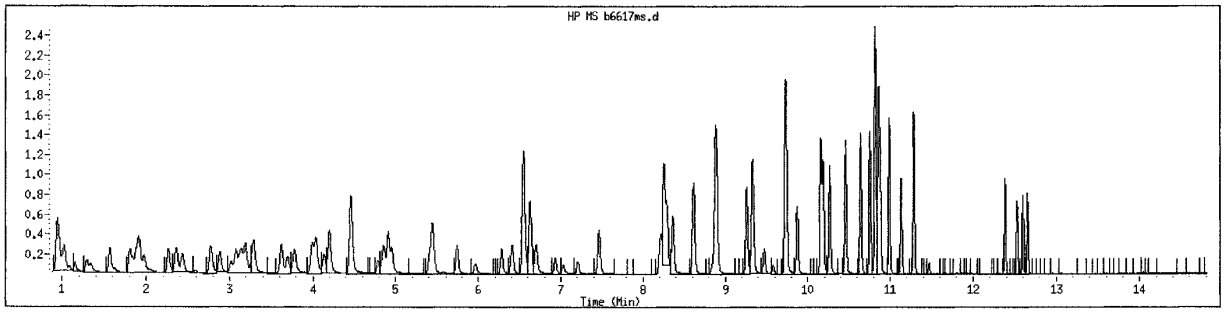
Column diameter: 0.53



Data file : /var/chem/msv6.i/2060811p.s.b/b6617ms.d Page: 1
Report Date: 08/12/2006 11:27

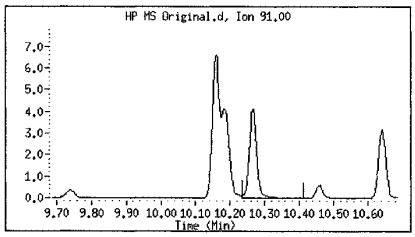
MANUAL INTEGRATION GRAPHIC REPORT

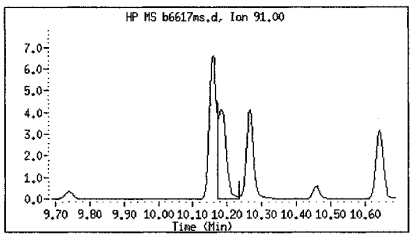
Lab ID : 20608043102 SampleType : MS
Injection Date: 11-AUG-2006 22:13 Instrument : msv6.i
Operator : JCK
Sample Info : 20608043102*FWPSE01-001-(0-0.5) MS
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



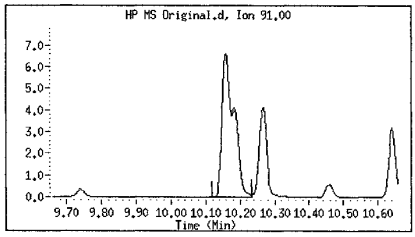
Original Final

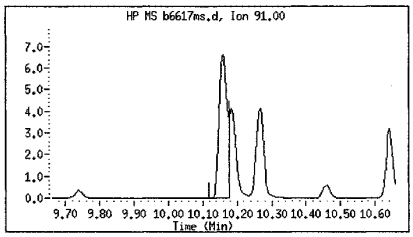
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





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167033

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

Sample wt/vol: 5.46 (g/ml) g

Lab Sample ID: 20608043102

Level: (low/med) LOW

Lab File ID: 2060811/G7247

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV5

Date Analyzed: 08/11/06 Time: 1341

Soil Extract Volume: (µL)

Dilution Factor: 50 Analyst: VWM

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330307

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	2.43		0.166	0.394

FORM I VOA

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7247.d
Lab Smp Id: 20608043102 Client Smp ID: FWPSE01-001-(0-0.5)
Inj Date : 11-AUG-2006 13:41
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043102*FWPSE01-001-(0-0.5) MS
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 8 QC Sample: MS
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.46000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	1 Dichlorodifluoromethane	85	1.416	1.416	(0.260)	289385	24.0461	1100	
	2 Chloromethane ++	50	1.574	1.574	(0.289)	255819	25.2692	1160	
	3 Vinyl Chloride +	62	1.644	1.644	(0.302)	206715	25.3951	1160	
	5 Bromomethane	94	1.913	1.914	(0.352)	113762	21.2265	972	
M	6 1-3 Dichloropropene-Total	100				594438	59.7351	2740	0
	8 Chloroethane	64	2.001	2.007	(0.368)	28991	9.35189	428	(R)
	9 Trichlorofluoromethane	101	2.107	2.142	(0.387)	72969	7.62305	349	(R)
	11 1,1-Dichloroethene +	96	2.599	2.623	(0.478)	90325	24.8421	1140	
	12 Carbon Disulfide	76	2.617	2.647	(0.481)	408786	23.9028	1090	
	13 1,1,2Trichlotrifluoroethane	101	2.652	2.670	(0.488)	110775	26.1524	1200	
	14 Methyl Iodide	142	2.741	2.759	(0.504)	201285	24.6371	1130	
	15 Acrolein	56	2.969	2.976	(0.546)	42933	112.214	5140	

000574

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	17 Methylene Chloride	49	3.221	3.228	(0.592)	270679	35.5613	1630	(R)
	18 Acetone	43	3.303	3.292	(0.607)	72276	34.4349	1580	
	19 trans-1,2-Dichloroethene	61	3.385	3.392	(0.622)	209570	27.0819	1240	
	20 Methyl Acetate	43	3.468	3.427	(0.638)	364334	99.2523	4540	3366(R)
	21 Hexane	57	3.468	3.480	(0.638)	261330	27.8816	1280	0(M)
	22 MTBE	73	3.526	3.515	(0.648)	316614	27.7457	1270	8923
	27 1,1-Dichloroethane ++	63	3.977	3.978	(0.731)	275768	26.7338	1220	
	29 Acrylonitrile	53	4.036	4.025	(0.742)	257581	137.582	6300	
	30 Vinyl Acetate	43	4.218	4.213	(0.775)	299565	27.5880	1260	
	31 cis-1,2-Dichloroethene	61	4.446	4.447	(0.817)	260665	28.9996	1330	
	32 2,2-Dichloropropane	77	4.528	4.535	(0.833)	253020	27.2183	1250	
	33 Bromochloromethane	128	4.611	4.612	(0.848)	70232	27.4152	1260	
	34 Cyclohexane	56	4.605	4.606	(0.847)	226954	27.4309	1260	8719
	35 Chloroform +	83	4.675	4.677	(0.860)	314085	29.1905	1340	
	36 Carbon Tetrachloride	117	4.781	4.782	(0.879)	243113	27.9679	1280	
$	39 Dibromofluoromethane	111	4.822	4.818	(0.887)	371770	55.1211	2520	8999
	40 1,1,1-Trichloroethane	97	4.828	4.835	(0.888)	250941	27.9189	1280	
	42 2-Butanone	43	4.928	4.918	(0.906)	83836	25.4718	1170	
	43 1,1-Dichloropropene	75	4.934	4.930	(0.907)	219572	28.8850	1320	
	45 Benzene	78	5.128	5.124	(0.943)	484924	27.1530	1240	
$	48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	261152	60.0011	2750	
	49 1,2-Dichloroethane	62	5.280	5.282	(0.971)	316144	28.6975	1310	
*	52 FLUOROBENZENE	96	5.439	5.438	(1.000)	887773	50.0000		
	53 Methyl Cyclohexane	83	5.551	5.552	(1.021)	200082	28.1048	1290	8730
	54 Trichloroethene	130	5.563	5.564	(1.023)	129174	29.0123	1330	
	57 Dibromomethane	93	5.873	5.869	(1.080)	113761	26.8994	1230	
	59 1,2-Dichloropropane +	63	5.944	5.940	(1.093)	171909	30.0795	1380	
	60 Bromodichloromethane	83	5.985	5.987	(1.100)	260486	29.4728	1350	
M	61 Total 1,2-Dichloroethene	61				470235	56.0815	2570	
	64 1-Bromo-2-chloroethane	63	6.325	6.327	(1.163)	248018	28.0704	1290	9445
	65 2-Chloroethyl vinyl ether	63	6.384	6.380	(1.174)	129892	30.8758	1410	
	66 cis-1,3-Dichloropropene	75	6.431	6.427	(1.182)	290193	29.8664	1370	
$	67 Toluene-d8	98	6.560	6.556	(0.861)	927250	54.2791	2490	
	69 Toluene +	91	6.596	6.592	(0.865)	537715	26.9882	1240	
	71 4-methyl-2-pentanone	43	6.860	6.844	(1.261)	183775	25.8064	1180	
	72 Tetrachloroethene	164	6.865	6.862	(0.901)	97150	29.8717	1370	
	73 trans-1,3-Dichloropropene	75	6.877	6.874	(0.902)	304245	29.1140	1330	
	75 1,1,2-Trichloroethane	97	6.995	6.985	(0.918)	119790	25.0084	1150	
	76 Dibromochloromethane	129	7.124	7.109	(0.935)	192062	27.6028	1260	
	77 1,3-Dichloropropane	76	7.177	7.174	(0.942)	260866	27.7931	1270	
	79 1,2-Dibromoethane(EDB)	107	7.288	7.279	(0.956)	156771	29.4145	1350	
	80 2-Hexanone	43	7.417	7.408	(0.973)	120122	24.7697	1130	
	82 1-Chlorohexane	91	7.605	7.596	(0.998)	222170	27.1051	1240	8308
*	83 CHLOROBENZENE-d5	82	7.623	7.619	(1.000)	504866	50.0000		
	84 Chlorobenzene ++	112	7.640	7.632	(1.002)	361315	27.7526	1270	
	85 Ethylbenzene +	106	7.640	7.643	(1.002)	198372	28.6812	1310	
	86 1,1,1,2-Tetrachloroethane	133	7.676	7.673	(1.007)	147095	27.1833	1240	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
87	p,m-Xylene	106	7.741	7.738	(1.015)	470425	58.4026	2670	
89	o-Xylene	106	8.040	8.031	(1.055)	234899	29.7835	1360	
90	Styrene	104	8.069	8.067	(1.059)	437588	31.3521	1440	
91	Bromoform ++	173	8.111	8.102	(1.064)	110899	28.5024	1310	
93	Isopropylbenzene	105	8.240	8.237	(1.081)	664868	29.5243	1350	
$ 94	Bromofluorobenzene	174	8.451	8.443	(1.109)	280012	53.9014	2470	
95	n-Propylbenzene	91	8.522	8.520	(0.926)	903459	28.7169	1310	
96	Bromobenzene	77	8.528	8.526	(0.927)	393804	27.5216	1260	
97	1,1,2,2-Tetrachloroethane++	83	8.575	8.567	(0.932)	194636	26.0245	1190	
98	2-Chlorotoluene	91	8.646	8.644	(0.940)	644870	28.8465	1320	
99	1,3,5-Trimethylbenzene	105	8.646	8.644	(0.940)	608472	26.4735	1210	
100	1,2,3-Trichloropropane	75	8.681	8.674	(0.944)	252598	26.8848	1230	
101	trans-1,4-Dichloro-2-Butene	53	8.693	8.691	(0.945)	59260	24.4030	1120	
103	4-Chlorotoluene	91	8.758	8.756	(0.952)	588645	28.4125	1300	
104	tert-butylbenzene	91	8.876	8.868	(0.965)	407599	28.4296	1300	
106	1,2,4-Trimethylbenzene	105	8.917	8.915	(0.969)	639686	28.4905	1300	
107	sec-Butylbenzene	105	8.988	8.986	(0.977)	823747	29.3236	1340	
108	p-Isopropyltoluene	119	9.076	9.075	(0.987)	683992	29.0301	1330	
110	1,3-Dichlorobenzene	146	9.158	9.151	(0.995)	309035	27.6975	1270	
* 111	1,4-DICHLOROBENZENE-D4	152	9.200	9.199	(1.000)	381507	50.0000		
112	1,4-Dichlorobenzene	146	9.212	9.205	(1.001)	332732	28.4180	1300	
115	n-Butylbenzene	91	9.353	9.346	(1.017)	743005	28.8858	1320	
116	1,2-Dichlorobenzene	146	9.488	9.487	(1.031)	312556	28.6726	1310	
120	1,2-Dibromo-3-Chloropropane	157	9.993	9.992	(1.086)	36877	27.0648	1240	
122	Hexachlorobutadiene	225	10.386	10.375	(1.129)	145669	33.1344	1520	
123	1,2,4-Trichlorobenzene	180	10.422	10.410	(1.133)	220166	30.4898	1400	
M 124	TOTAL XYLENE	106				705324	88.1861	4040	
125	Naphthalene	128	10.634	10.623	(1.156)	566088	27.0342	1240	
126	1,2,3-Trichlorobenzene	180	10.752	10.747	(1.169)	219132	31.2500	1430	

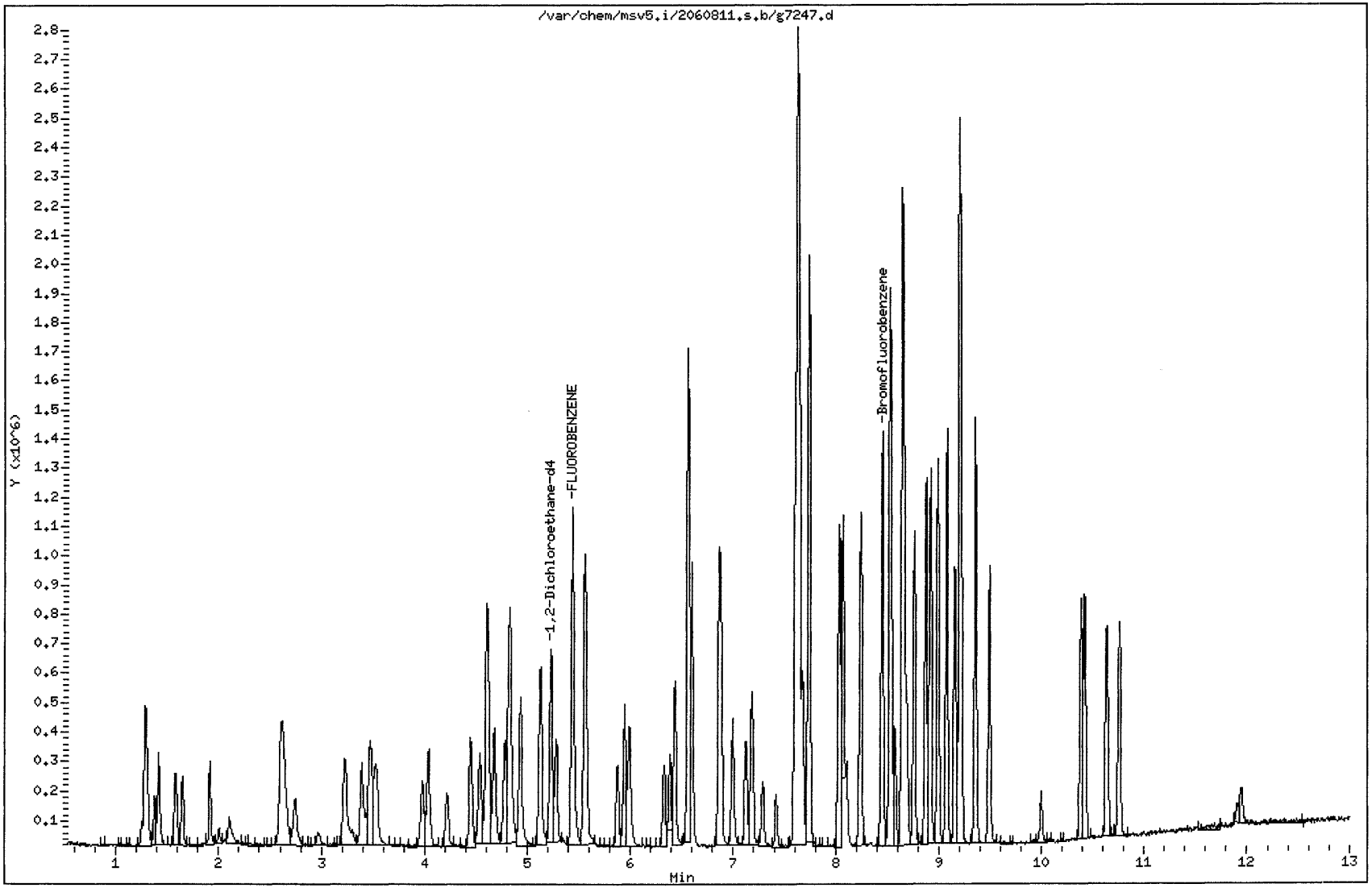
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /var/chem/msv5.i/2060811.s.b/g7247.d
Date : 11-AUG-2006 13:41
Client ID: FWPSE01-001-(0-0.5)
Sample Info: 20608043102*FWPSE01-001-(0-0.5) MS
Purge Volume: 5.0
Column phase: DB-VRX-30M

Instrument: msv5.i
Operator: VWM
Column diameter: 0.53

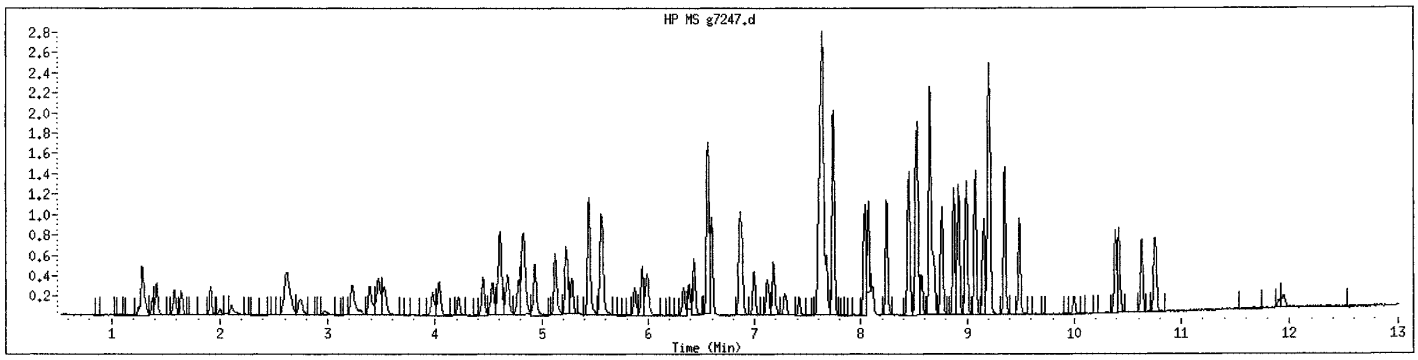
000577



Data file : /var/chem/msv5.i/2060811.s.b/g7247.d Page: 1
Report Date: 08/11/2006 14:10

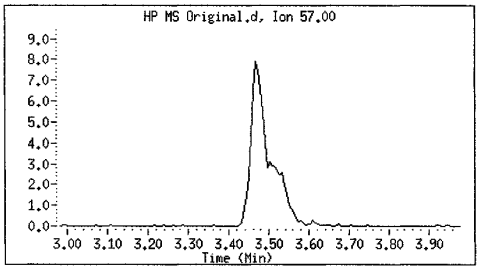
MANUAL INTEGRATION GRAPHIC REPORT

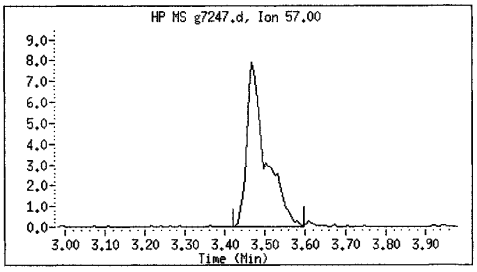
Lab ID : 20608043102 SampleType : MS
Injection Date: 11-AUG-2006 13:41 Instrument : msv5.i
Operator : VWM
Sample Info : 20608043102*FWPSE01-001-(0-0.5) MS
Misc Info : MSV~8849~*50*VWM
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Dilution : 50.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



Original Final

21 Hexane CAS#: 110-54-3





000578

167039

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043103

Level: (low/med) LOW

Lab File ID: 2060811P/B6618MSD

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 2234

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.231		0.00152	0.043
71-55-6	1,1,1-Trichloroethane	0.248		0.00106	0.043
79-34-5	1,1,2,2-Tetrachloroethane	0.264		0.00155	0.043
79-00-5	1,1,2-Trichloroethane	0.243		0.000982	0.043
75-34-3	1,1-Dichloroethane	0.250		0.00137	0.043
75-35-4	1,1-Dichloroethene	0.286		0.00309	0.043
563-58-6	1,1-Dichloropropene	0.248		0.00112	0.043
96-18-4	1,2,3-Trichloropropane	0.248		0.00211	0.017
120-82-1	1,2,4-Trichlorobenzene	0.233		0.00282	0.043
95-63-6	1,2,4-Trimethylbenzene	0.274		0.00171	0.043
96-12-8	1,2-Dibromo-3-chloropropane	0.196		0.00746	0.043
106-93-4	1,2-Dibromoethane	0.229		0.00129	0.043
95-50-1	1,2-Dichlorobenzene	0.267		0.000982	0.043
107-06-2	1,2-Dichloroethane	0.243		0.000982	0.043
78-87-5	1,2-Dichloropropane	0.226		0.000965	0.043
108-67-8	1,3,5-Trimethylbenzene	0.283		0.00140	0.043
541-73-1	1,3-Dichlorobenzene	0.272		0.00203	0.043
142-28-9	1,3-Dichloropropane	0.243		0.00117	0.043
106-46-7	1,4-Dichlorobenzene	0.267		0.00363	0.043
594-20-7	2,2-Dichloropropane	0.227		0.00152	0.043
78-93-3	2-Butanone	0.243		0.00269	0.043
95-49-8	2-Chlorotoluene	0.305		0.00129	0.043
591-78-6	2-Hexanone	0.215		0.00712	0.043
106-43-4	4-Chlorotoluene	0.283		0.00280	0.043
99-87-6	4-Isopropyltoluene	0.279		0.00139	0.043
108-10-1	4-Methyl-2-pentanone	0.214		0.00149	0.043
67-64-1	Acetone	0.196	J	0.00322	0.215
107-02-8	Acrolein	0.042	J	0.020	0.215
107-13-1	Acrylonitrile	0.951		0.00613	0.215
71-43-2	Benzene	0.238		0.000896	0.043
108-86-1	Bromobenzene	0.271		0.00202	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 42.0

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

Instrument ID: MSV6

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043103

Lab File ID: 2060811P/B6618MSD

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 2234

Dilution Factor: 5 Analyst: JCK

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-27-4	Bromodichloromethane	0.203		0.00116	0.043
75-25-2	Bromoform	0.172		0.00146	0.043
74-83-9	Bromomethane	0.286		0.013	0.043
104-51-8	n-Butylbenzene	0.274		0.00153	0.043
75-15-0	Carbon disulfide	0.191		0.000939	0.043
56-23-5	Carbon tetrachloride	0.233		0.00103	0.043
108-90-7	Chlorobenzene	0.257		0.00142	0.043
75-00-3	Chloroethane	0.246		0.00522	0.043
67-66-3	Chloroform	0.257		0.00121	0.043
74-87-3	Chloromethane	0.231		0.00400	0.043
110-82-7	Cyclohexane	0.245		0.00953	0.043
124-48-1	Dibromochloromethane	0.191		0.000775	0.043
74-95-3	Dibromomethane	0.184		0.00134	0.043
75-71-8	Dichlorodifluoromethane	0.248		0.00314	0.043
10061-01-5	cis-1,3-Dichloropropene	0.195		0.000991	0.043
10061-02-6	trans-1,3-Dichloropropene	0.207		0.00121	0.043
100-41-4	Ethylbenzene	0.262		0.00178	0.043
87-68-3	Hexachlorobutadiene	0.191		0.011	0.043
98-82-8	Isopropylbenzene (Cumene)	0.286		0.00132	0.043
79-20-9	Methyl Acetate	0.198		0.013	0.043
74-88-4	Methyl iodide	0.240		0.00781	0.043
108-87-2	Methylcyclohexane	0.240		0.00319	0.043
75-09-2	Methylene chloride	0.238		0.00413	0.086
91-20-3	Naphthalene	0.243		0.00324	0.043
100-42-5	Styrene	0.253		0.00131	0.043
127-18-4	Tetrachloroethene	0.265		0.00165	0.043
108-88-3	Toluene	0.258		0.00474	0.043
79-01-6	Trichloroethene	0.253		0.00152	0.043
75-69-4	Trichlorofluoromethane	0.274		0.00217	0.043
76-13-1	Trichlorotrifluoroethane	0.255		0.00162	0.043
108-05-4	Vinyl acetate	0.115		0.00843	0.043
75-01-4	Vinyl chloride	0.265		0.00302	0.043

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

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

Lab Sample ID: 20608043103

Level: (low/med) LOW

Lab File ID: 2060811P/B6618MSD

% Moisture: not dec. 42.0

Date Collected: 08/02/06 Time: 1350

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

Date Received: 08/04/06

Instrument ID: MSV6

Date Analyzed: 08/11/06 Time: 2234

Soil Extract Volume: (µL)

Dilution Factor: 5 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 330354

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
1330-20-7	Xylene (total)	0.782		0.00493	0.086
156-59-2	cis-1,2-Dichloroethene	0.250		0.00109	0.043
136777-61-	m,p-Xylene	0.520		0.00343	0.043
103-65-1	n-Propylbenzene	0.293		0.00121	0.043
95-47-6	o-Xylene	0.262		0.00150	0.043
135-98-8	sec-Butylbenzene	0.276		0.00101	0.043
1634-04-4	tert-Butyl methyl ether (MTBE)	0.212		0.000638	0.043
98-06-6	tert-Butylbenzene	0.289		0.00217	0.043
156-60-5	trans-1,2-Dichloroethene	0.252		0.00141	0.043
110-57-6	trans-1,4-Dichloro-2-butene	0.207		0.00621	0.043

GCAL, Inc.

Data file : /var/chem/msv6.i/2060811p.s.b/b6618msd.d
Lab Smp Id: 20608043103 Client Smp ID: FWPSE01-001-(0-0.5)
Inj Date : 11-AUG-2006 22:34
Operator : JCK Inst ID: msv6.i
Smp Info : 20608043103*FWPSE01-001-(0-0.5) MSD
Misc Info : MSV~8854~*5*AJV
Comment :
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Meth Date : 12-Aug-2006 11:25 jck Quant Type: ISTD
Cal Date : 10-AUG-2006 20:03 Cal File: b6561.d
Als bottle: 57 QC Sample: MSD
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	5.00000	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	1.030	1.030	(0.231)	264949	28.7925	144	9705
2 Chloromethane ++	50	1.094	1.094	(0.245)	54882	26.7055	134	6461
3 Vinyl Chloride +	62	1.152	1.155	(0.258)	137698	30.8591	154	8712
4 Bromomethane	94	1.289	1.289	(0.289)	152761	33.1057	166	9478
5 Chloroethane	64	1.342	1.342	(0.301)	83589	28.5912	143	7869
7 Acrolein	56	1.565	1.562	(0.351)	1425	4.84072	24.2	3637(aR)
6 Trichlorofluoromethane	101	1.565	1.568	(0.351)	289291	31.7816	159	9646
8 Acetone	43	1.629	1.626	(0.365)	51641	22.7272	114	8635
10 1,1-Dichloroethene +	96	2.268	1.805	(0.508)	129969	33.1496	166	7457(H)
11 Methyl Iodide	142	1.813	1.822	(0.407)	68673	27.8955	139	3975
12 Acrylonitrile	53	1.847	1.847	(0.414)	121788	110.388	552	8008
13 Methylene Chloride	49	1.886	1.886	(0.423)	157784	27.6080	138	8728
14 1,1,2Trichlotrifluoroethane	101	1.914	1.916	(0.429)	135765	29.6665	148	8158

							CONCENTRATIONS		
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	15 Methyl Acetate	43	1.930	1.928	(0.433)	46736	23.0905	115	8465
	16 Carbon Disulfide	76	1.975	1.975	(0.443)	308592	22.2268	111	8627
	17 trans-1,2-Dichloroethene	61	2.265	2.265	(0.508)	185808	29.2032	146	9451
	18 MTBE	73	2.363	2.360	(0.530)	372330	24.6364	123	8725
	19 1,1-Dichloroethane ++	63	2.429	2.430	(0.545)	233381	29.0518	145	9681
	20 Vinyl Acetate	43	2.588	2.588	(0.580)	53268	13.3533	66.8	(R)
	22 Hexane	57	2.772	2.773	(0.622)	184637	29.5346	148	9199
	23 2-Butanone	43	2.775	2.775	(0.622)	159342	28.1507	141	
	24 cis-1,2-Dichloroethene	61	2.878	2.881	(0.645)	187997	29.0024	145	8670
	25 Bromochloromethane	128	3.015	3.024	(0.676)	48410	26.5065	133	9261
	26 Chloroform +	83	3.079	3.079	(0.690)	282180	29.8741	149	9372
	27 2,2-Dichloropropane	77	3.138	3.138	(0.704)	219002	26.4570	132	9090
$	28 Dibromofluoromethane	111	3.188	3.188	(0.715)	257809	54.0727	270	6343
$	31 1,2-Dichloroethane-d4	67	3.617	3.615	(0.811)	177141	50.3068	252	9429
	32 1,2-Dichloroethane	62	3.696	3.698	(0.829)	231939	28.1828	141	9308
	33 1,1,1-Trichloroethane	97	3.779	3.779	(0.847)	232190	28.8882	144	5219
	34 1,1-Dichloropropene	75	3.991	3.991	(0.895)	204820	28.7453	144	8783
	35 Cyclohexane	56	4.039	4.039	(0.906)	195915	28.4485	142	6883
	38 Carbon Tetrachloride	117	4.136	4.133	(0.927)	150844	26.9437	135	9383
	40 Benzene	78	4.197	4.200	(0.941)	546118	27.5948	138	8274
*	41 FLUOROBENZENE	96	4.460	4.462	(1.000)	1001857	50.0000		9494
	46 Dibromomethane	93	4.786	4.792	(1.073)	74489	21.3810	107	9204
	48 1,2-Dichloropropane +	63	4.850	4.853	(1.088)	147347	26.2770	131	9399
	49 Trichloroethene	130	4.909	4.911	(1.101)	158309	29.4581	147	9491
	50 Bromodichloromethane	83	4.950	4.953	(1.110)	199431	23.6231	118	9407
	54 1-Bromo-2-chloroethane	63	5.405	5.402	(1.212)	202578	27.7837	139	9523
	55 Methyl cyclohexane	83	5.447	5.447	(1.221)	274202	27.7240	139	9297
	56 cis-1,3-Dichloropropene	75	5.740	5.740	(1.287)	209305	22.6976	113	
	58 4-methyl-2-pentanone	43	5.965	5.963	(1.338)	105799	24.8153	124	
	99 trans-1,3-Dichloropropene	75	6.283	6.283	(0.762)	188851	23.9445	120	
	64 1,1,2-Trichloroethane	97	6.403	6.412	(0.776)	120627	28.2565	141	9524
$	68 Toluene-d8	98	6.548	6.551	(0.794)	1104619	58.8425	294	9617
	69 Toluene +	91	6.626	6.626	(0.803)	677731	29.9542	150	9131
	70 1,3-Dichloropropane	76	6.699	6.702	(0.812)	220920	28.2530	141	9189
	72 Dibromochloromethane	129	6.930	6.933	(0.840)	103542	22.2743	111	9366
	74 2-Hexanone	43	7.025	7.028	(0.852)	75405	24.9301	125	9119
	77 1,2-Dibromoethane(EDB)	107	7.204	7.206	(0.873)	108731	26.6530	133	9564
	81 Tetrachloroethene	164	7.466	7.466	(0.905)	107669	30.8301	154	9536
	84 1,1,1,2-Tetrachloroethane	133	8.210	8.213	(0.995)	121935	26.7660	134	9532
*	85 Chlorobenzene-d5	82	8.249	8.255	(1.000)	487822	50.0000		9471
	86 Chlorobenzene ++	112	8.288	8.288	(1.005)	404124	29.7693	149	9435
	87 1-Chlorohexane	91	8.364	8.361	(1.875)	228007	29.5056	148	9528
	88 Ethylbenzene +	106	8.615	8.612	(1.044)	234314	30.3947	152	8853(R)
	92 Bromoform ++	173	8.838	8.841	(1.071)	52621	20.0074	100	8888
	93 p,m-Xylene	106	8.888	8.885	(1.077)	555646	60.3495	302	9510
M	79 Total 1,2-Dichloroethene	61				373805	58.2038	291	0
M	80 1-3 Dichloropropene-Total	100				398156	45.1335	226	0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
95 Styrene	104	9.259	9.264	(1.122)	442348	29.3908	147	7749
96 1,1,2,2-Tetrachloroethane++	83	9.326	9.323	(0.859)	142380	30.6902	153	8217
97 o-Xylene	106	9.331	9.337	(1.131)	285936	30.4947	152	
100 1,2,3-Trichloropropane	75	9.471	9.474	(0.872)	131022	28.8596	144	7243
104 trans-1,4-Dichloro-2-Butene	53	9.580	9.582	(0.882)	21574	24.0065	120	8640
$ 102 Bromofluorobenzene	174	9.727	9.730	(1.179)	283672	52.1148	261	9359
103 Isopropylbenzene	105	9.739	9.741	(1.181)	729126	33.2439	166	9163(R)
105 Bromobenzene	77	9.872	9.875	(0.909)	327869	31.3820	157	9409(R)
111 n-Propylbenzene	91	10.160	10.160	(0.936)	988305	34.0880	170	8229(RM)
107 2-Chlorotoluene	91	10.185	10.188	(0.938)	661465	35.3709	177	5991(RMH)
108 4-Chlorotoluene	91	10.268	10.268	(0.946)	610798	32.8505	164	9461(R)
110 1,3,5-Trimethylbenzene	105	10.461	10.461	(0.964)	660936	32.7886	164	(R)
112 tert-butylbenzene	91	10.642	10.642	(0.980)	440938	33.5701	168	9301(R)
113 1,2,4-Trimethylbenzene	105	10.754	10.759	(0.990)	649670	31.8997	159	(R)
114 sec-Butylbenzene	105	10.820	10.821	(0.997)	819231	32.0791	160	(R)
115 1,3-Dichlorobenzene	146	10.818	10.821	(0.996)	285107	31.5080	158	(R)
* 116 1,4-DICHLOROBENZENE-D4	152	10.857	10.860	(1.000)	324624	50.0000		9524
117 1,4-Dichlorobenzene	146	10.876	10.879	(1.002)	300546	30.9196	155	(R)
118 p-Isopropyltoluene	119	10.991	10.991	(1.012)	672501	32.4141	162	9414(R)
119 1,2-Dichlorobenzene	146	11.127	11.130	(1.025)	280204	31.0098	155	(R)
120 n-Butylbenzene	91	11.286	11.286	(1.040)	694313	31.8593	159	9629(R)
124 1,2-Dibromo-3-Chloropropane	157	11.470	11.470	(1.056)	19758	22.8807	114	9114
122 1,2,4-Trichlorobenzene	180	12.385	12.388	(1.141)	170970	27.0429	135	
123 Napthalene	128	12.530	12.530	(1.154)	383288	28.1789	141	9476
125 Hexachlorobutadiene	225	12.602	12.602	(1.161)	100981	22.1399	111	9424
126 1,2,3-Trichlorobenzene	180	12.653	12.655	(1.165)	150461	26.2060	131	
M 127 TOTAL XYLENE	106				841582	90.8443	454	0(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000585

Data File: /var/chem/msv6.i/2060811p.s.b/b6618msd.d

Page 1

Date : 11-AUG-2006 22:34

Client ID: FWPSE01-001-(0-0.5)

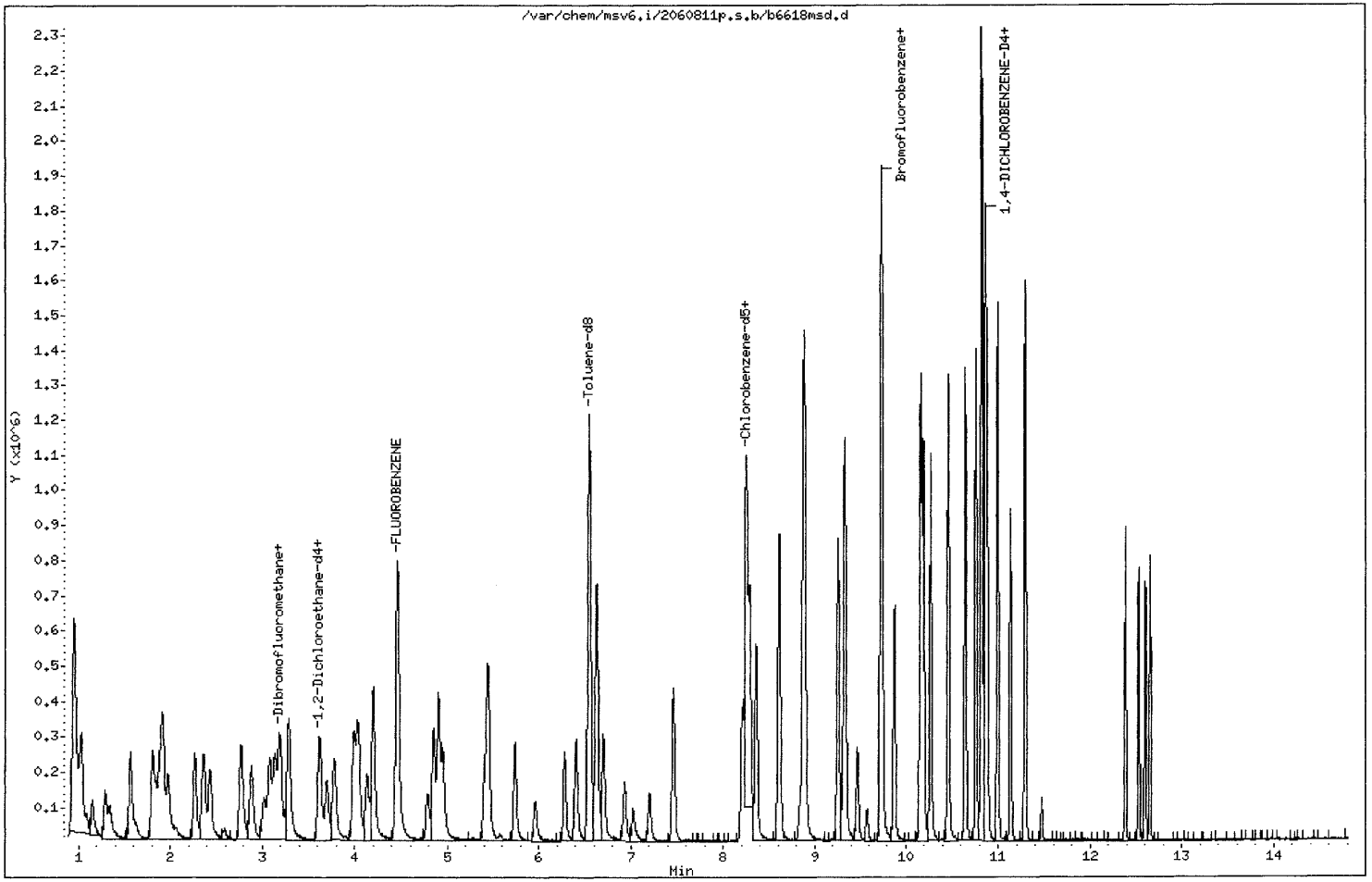
Instrument: msv6.i

Sample Info: 20608043103*FWPSE01-001-(0-0.5) MSD

Operator: JCK

Column phase: DB-624-30M

Column diameter: 0.53

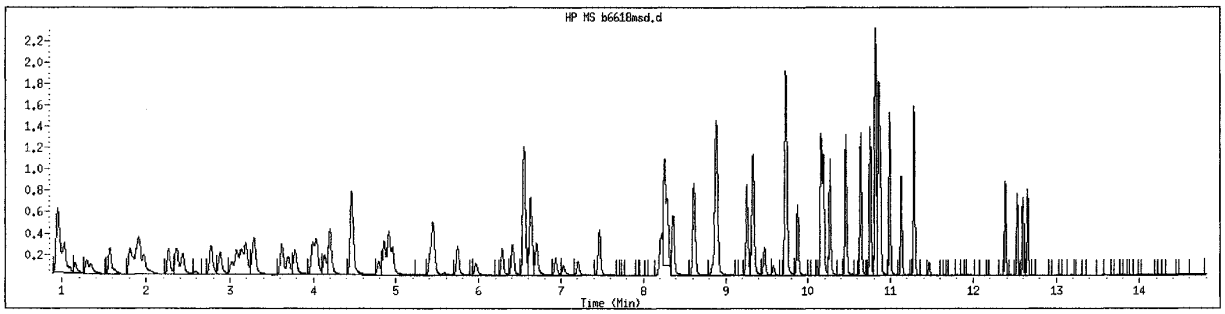


167046

Data file : /var/chem/msv6.i/2060811p.s.b/b6618msd.d Page: 1
Report Date: 08/12/2006 11:27

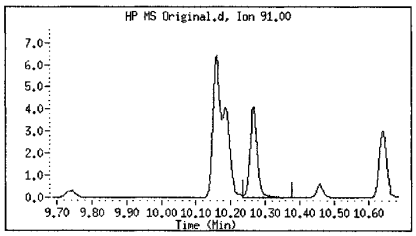
MANUAL INTEGRATION GRAPHIC REPORT

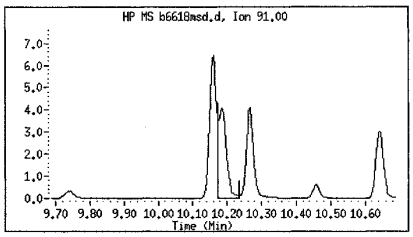
Lab ID : 20608043103 SampleType : MSD
Injection Date: 11-AUG-2006 22:34 Instrument : msv6.i
Operator : JCK
Sample Info : 20608043103*FWPSE01-001-(0-0.5) MSD
Misc Info : MSV~8854~*5*AJV
Method : /var/chem/msv6.i/2060811p.s.b/8260Bs6.m
Dilution : 5.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



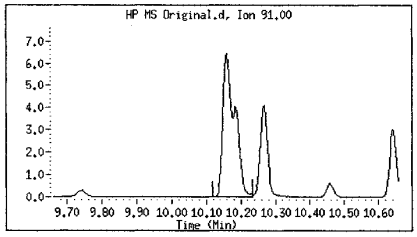
Original Final

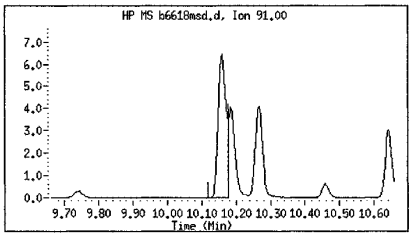
107 2-Chlorotoluene CAS#: 95-49-8





111 n-Propylbenzene CAS#: 103-65-1





000586

167047

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

FWPSE01-001-(0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix: (soil/water) Soil

Sample wt/vol: 5.26 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 42.0

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

Instrument ID: MSV5

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20608043103

Lab File ID: 2060811/G7248

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Analyzed: 08/11/06 Time: 1406

Dilution Factor: 50 Analyst: VWM

Prep Batch: Analytical Batch: 330307

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
110-75-8	2-Chloroethylvinyl ether	2.57		0.172	0.409

GCAL, Inc.

Data file : /var/chem/msv5.i/2060811.s.b/g7248.d
Lab Smp Id: 20608043103 Client Smp ID: FWPSE01-001-(0-0.5)
Inj Date : 11-AUG-2006 14:06
Operator : VWM Inst ID: msv5.i
Smp Info : 20608043103*FWPSE01-001-(0-0.5) MSD
Misc Info : MSV~8849~*50*VWM
Comment :
Method : /var/chem/msv5.i/2060811.s.b/8260Bw5C.m
Meth Date : 11-Aug-2006 11:32 vwm Quant Type: ISTD
Cal Date : 07-AUG-2006 13:41 Cal File: g7062.d
Als bottle: 9 QC Sample: MSD
Dil Factor: 50.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: hpcs2

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

Name	Value	Description
DF	50.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Ws	5.26000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
m	0.00000	

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (UG/KG)	SIMILARITY
1	Dichlorodifluoromethane	85	1.416	1.416	(0.260)	283081	22.1181	1050	
2	Chloromethane ++	50	1.580	1.574	(0.290)	275287	25.5690	1220	
3	Vinyl Chloride +	62	1.644	1.644	(0.302)	225096	26.0026	1240	
5	Bromomethane	94	1.914	1.914	(0.352)	114029	20.0063	951	
M 6	1-3 Dichloropropene-Total	100				585945	55.3667	2630	0
8	Chloroethane	64	2.002	2.007	(0.368)	28694	8.53096	405	(R)
9	Trichlorofluoromethane	101	2.107	2.142	(0.387)	67766	6.65688	316	(R)
11	1,1-Dichloroethene +	96	2.605	2.623	(0.479)	89171	23.0609	1100	
12	Carbon Disulfide	76	2.623	2.647	(0.482)	422702	23.2411	1100	
13	1,1,2Trichlotrifluoroethane	101	2.647	2.670	(0.487)	111159	24.6765	1170	
14	Methyl Iodide	142	2.747	2.759	(0.505)	203389	23.4236	1110	
15	Acrolein	56	2.975	2.976	(0.547)	41525	102.055	4850	

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	17 Methylene Chloride	49	3.227	3.228	(0.593)	277354	34.1279	1620	(R)
	18 Acetone	43	3.304	3.292	(0.607)	77989	35.0721	1670	
	19 trans-1,2-Dichloroethene	61	3.386	3.392	(0.622)	220390	26.7800	1270	
	20 Methyl Acetate	43	3.427	3.427	(0.630)	119349	30.5725	1450	5957
	21 Hexane	57	3.474	3.480	(0.639)	253348	25.3057	1200	8916
	22 MTBE	73	3.527	3.515	(0.648)	320013	26.3498	1250	9114
	27 1,1-Dichloroethane ++	63	3.984	3.978	(0.732)	299853	27.3335	1300	
	29 Acrylonitrile	53	4.036	4.025	(0.742)	266260	133.728	6360	
	30 Vinyl Acetate	43	4.218	4.213	(0.775)	268892	23.2850	1110	
	31 cis-1,2-Dichloroethene	61	4.446	4.447	(0.817)	267726	28.0072	1330	
	32 2,2-Dichloropropane	77	4.534	4.535	(0.834)	243018	24.5818	1170	
	33 Bromochloromethane	128	4.611	4.612	(0.848)	71863	26.3775	1250	
	34 Cyclohexane	56	4.605	4.606	(0.847)	239504	27.2198	1290	8959
	35 Chloroform +	83	4.682	4.677	(0.861)	299979	26.2153	1250	
	36 Carbon Tetrachloride	117	4.781	4.782	(0.879)	237000	25.6400	1220	
$	39 Dibromofluoromethane	111	4.823	4.818	(0.887)	389319	54.2774	2580	8738
	40 1,1,1-Trichloroethane	97	4.840	4.835	(0.890)	249532	26.1195	1240	
	42 2-Butanone	43	4.935	4.918	(0.907)	104070	29.7321	1410	
	43 1,1-Dichloropropene	75	4.929	4.930	(0.906)	216426	26.7717	1270	
	45 Benzene	78	5.128	5.124	(0.943)	504198	26.5470	1260	
$	48 1,2-Dichloroethane-d4	67	5.228	5.229	(0.961)	267768	57.8488	2750	
	49 1,2-Dichloroethane	62	5.281	5.282	(0.971)	315145	26.8992	1280	
*	52 FLUOROBENZENE	96	5.440	5.438	(1.000)	944133	50.0000		
	53 Methyl Cyclohexane	83	5.557	5.552	(1.022)	195930	25.8787	1230	9066
	54 Trichloroethene	130	5.563	5.564	(1.023)	131122	27.6920	1320	
	57 Dibromomethane	93	5.868	5.869	(1.079)	119773	26.6304	1270	
	59 1,2-Dichloropropane +	63	5.945	5.940	(1.093)	175536	28.8808	1370	
	60 Bromodichloromethane	83	5.986	5.987	(1.100)	267387	28.4477	1350	
M	61 Total 1,2-Dichloroethene	61				488117	54.7872	2600	
	64 1-Bromo-2-chloroethane	63	6.332	6.327	(1.164)	265926	28.3006	1350	9603
	65 2-Chloroethyl vinyl ether	63	6.385	6.380	(1.174)	140066	31.3067	1490	
	66 cis-1,3-Dichloropropene	75	6.432	6.427	(1.182)	291962	28.2548	1340	
$	67 Toluene-d8	98	6.561	6.556	(0.861)	1004324	56.3482	2680	
	69 Toluene +	91	6.596	6.592	(0.865)	560098	26.9437	1280	
	71 4-methyl-2-pentanone	43	6.854	6.844	(1.260)	188005	24.8245	1180	
	72 Tetrachloroethene	164	6.860	6.862	(0.900)	90979	26.8120	1270	
	73 trans-1,3-Dichloropropene	75	6.878	6.874	(0.902)	293983	26.9632	1280	
	75 1,1,2-Trichloroethane	97	6.996	6.985	(0.918)	125435	25.0960	1190	
	76 Dibromochloromethane	129	7.119	7.109	(0.934)	193840	26.7009	1270	
	77 1,3-Dichloropropane	76	7.178	7.174	(0.942)	272130	27.7886	1320	
	79 1,2-Dibromoethane(EDB)	107	7.289	7.279	(0.956)	165196	29.7076	1410	
	80 2-Hexanone	43	7.418	7.408	(0.973)	133405	26.3658	1250	
	82 1-Chlorohexane	91	7.606	7.596	(0.998)	217462	25.4284	1210	8014
*	83 CHLOROBENZENE-d5	82	7.624	7.619	(1.000)	526752	50.0000		
	84 Chlorobenzene ++	112	7.641	7.632	(1.002)	371510	27.3501	1300	
	85 Ethylbenzene +	106	7.647	7.643	(1.003)	196813	27.2736	1300	
	86 1,1,1,2-Tetrachloroethane	133	7.677	7.673	(1.007)	150748	26.7009	1270	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (UG/KG)	SIMILARITY
	87 p,m-Xylene	106	7.742	7.738	(1.015)	486247	57.8588	2750	
	89 o-Xylene	106	8.041	8.031	(1.055)	258886	31.4611	1500	
	90 Styrene	104	8.070	8.067	(1.059)	450531	30.9383	1470	
	91 Bromoform ++	173	8.112	8.102	(1.064)	112541	27.7227	1320	
	93 Isopropylbenzene	105	8.241	8.237	(1.081)	661875	28.1702	1340	
$	94 Bromofluorobenzene	174	8.452	8.443	(1.109)	312564	57.6678	2740	
	95 n-Propylbenzene	91	8.523	8.520	(0.926)	895361	27.3443	1300	
	96 Bromobenzene	77	8.529	8.526	(0.927)	392695	26.3687	1250	
	97 1,1,2,2-Tetrachloroethane++	83	8.576	8.567	(0.932)	185878	23.8796	1130	
	98 2-Chlorotoluene	91	8.647	8.644	(0.940)	631701	27.1501	1290	
	99 1,3,5-Trimethylbenzene	105	8.647	8.644	(0.940)	614515	25.6888	1220	
	100 1,2,3-Trichloropropane	75	8.682	8.674	(0.944)	265476	27.1483	1290	
	101 trans-1,4-Dichloro-2-Butene	53	8.694	8.691	(0.945)	54973	21.7508	1030	
	103 4-Chlorotoluene	91	8.765	8.756	(0.953)	587635	27.2523	1300	
	104 tert-butylbenzene	91	8.871	8.868	(0.964)	397669	26.6501	1270	
	106 1,2,4-Trimethylbenzene	105	8.918	8.915	(0.969)	662479	28.3495	1350	
	107 sec-Butylbenzene	105	8.989	8.986	(0.977)	831373	28.4354	1350	
	108 p-Isopropyltoluene	119	9.077	9.075	(0.987)	693795	28.2923	1340	
	110 1,3-Dichlorobenzene	146	9.154	9.151	(0.995)	322315	27.7557	1320	
*	111 1,4-DICHLOROBENZENE-D4	152	9.201	9.199	(1.000)	397066	50.0000		
	112 1,4-Dichlorobenzene	146	9.213	9.205	(1.001)	330013	27.0813	1290	
	115 n-Butylbenzene	91	9.354	9.346	(1.017)	726111	27.1228	1290	
	116 1,2-Dichlorobenzene	146	9.489	9.487	(1.031)	314773	27.7445	1320	
	120 1,2-Dibromo-3-Chloropropane	157	9.994	9.992	(1.086)	39192	27.6421	1310	
	122 Hexachlorobutadiene	225	10.382	10.375	(1.128)	134659	29.4299	1400	
	123 1,2,4-Trichlorobenzene	180	10.417	10.410	(1.132)	225489	30.0034	1430	
M	124 TOTAL XYLENE	106				745134	89.3199	4250	
	125 Naphthalene	128	10.629	10.623	(1.155)	603433	27.6884	1320	
	126 1,2,3-Trichlorobenzene	180	10.753	10.747	(1.169)	211966	29.0436	1380	

QC Flag Legend

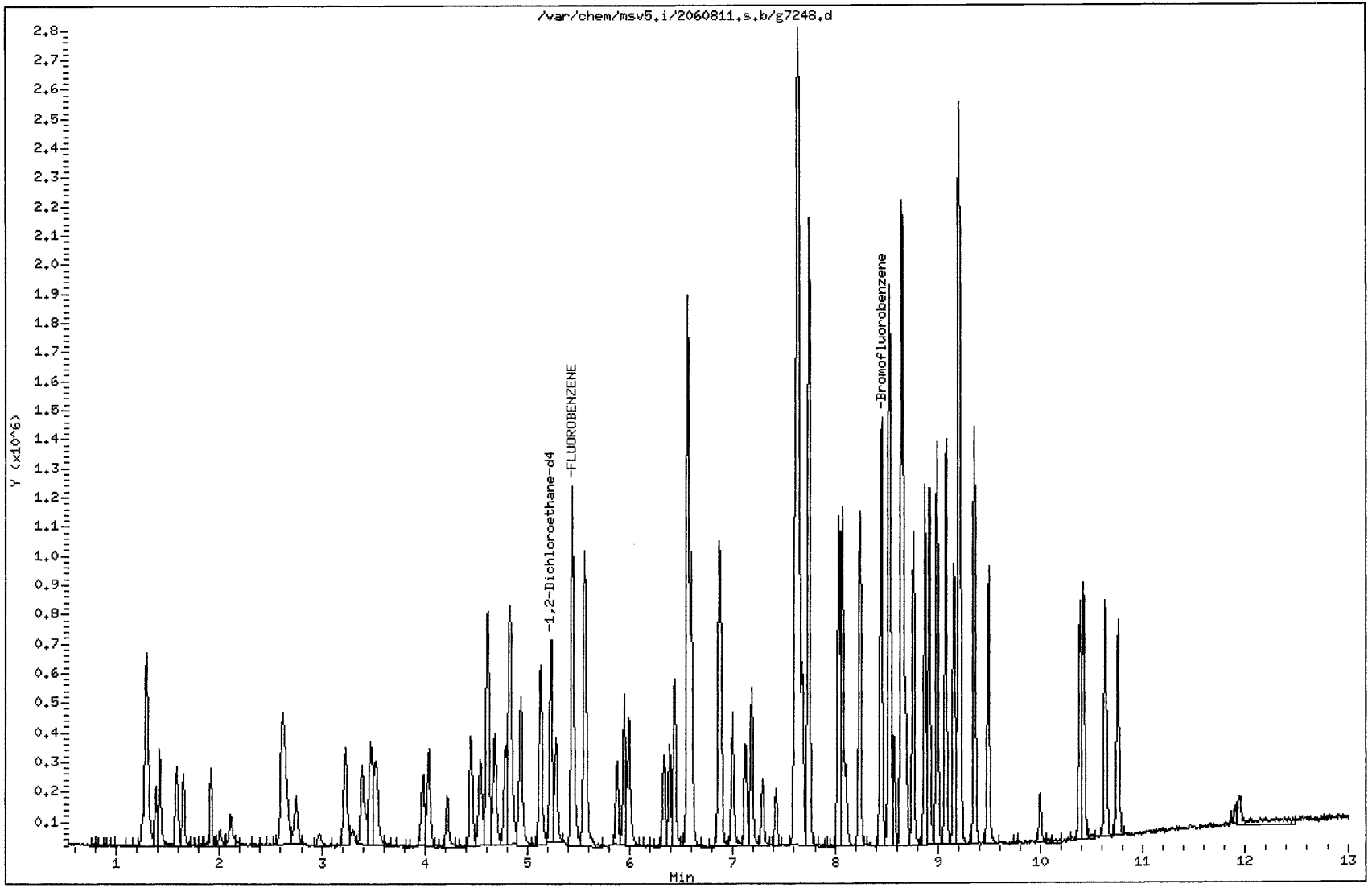
R - Spike/Surrogate failed recovery limits.

000591

Data File: /var/chem/msv5.i/2060811.s.b/g7248.d
Date : 11-AUG-2006 14:06
Client ID: FWPSE01-001-(0-0.5)
Sample Info: 20608043103*FWPSE01-001-(0-0.5) MSD
Purge Volume: 5.0
Column phase: DB-VRX-30M

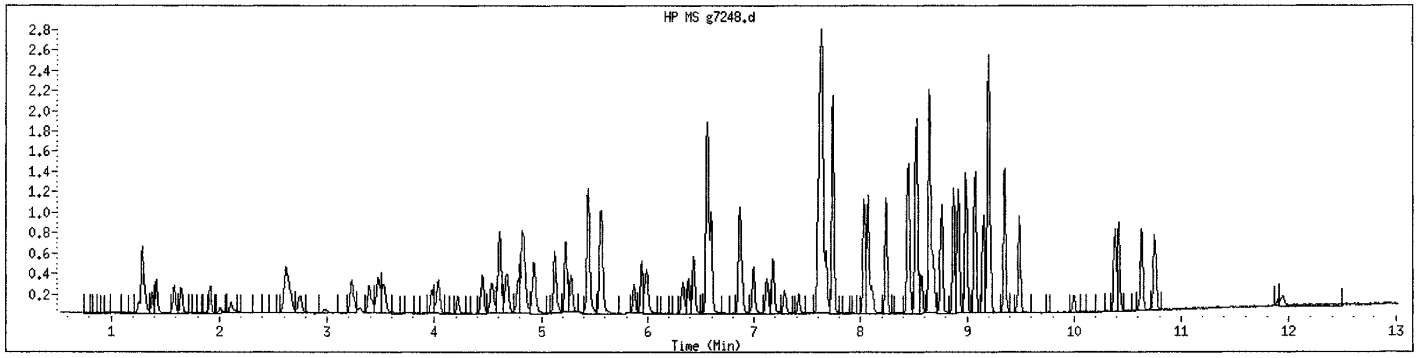
Instrument: msv5.i

Operator: VWM
Column diameter: 0.53



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20608043103	SampleType	: MSD
Injection Date	: 11-AUG-2006 14:06	Instrument	: msv5.i
Operator	: VWM		
Sample Info	: 20608043103*FWPSE01-001-(0-0.5) MSD		
Misc Info	: MSV~8849~*50*VWM		
Method	: /var/chem/msv5.i/2060811.s.b/8260Bw5C.m		
Dilution	: 50.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



NO MANUAL INTEGRATIONS

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 21-JUL-2006	Standard	Conc ppm	ICV
Instrument: msv3.i	Int. Standard	50 5-50-9	
Analyst(s): ABD	Surrogate	50 5-458-5	
	App1	250 5-49-8	5-49-1
	App2	50 5-49-9	5-41-8
	THF	250 5-50-3	5-41-5

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
1000		u7854.d	0.00	21-JUL-2006 06:01	1.000	2
1000		u7855.d	0.00	21-JUL-2006 06:47	1.000	2
1000		u7856.d	0.00	21-JUL-2006 07:11	1.000	2
1209		u7857.d	5.00	21-JUL-2006 07:42	1.000	1
1201		u7858.d	5.00	21-JUL-2006 08:08	1.000	2
1206		u7859.d	5.00	21-JUL-2006 08:35	1.000	4
1202		u7860.d	5.00	21-JUL-2006 09:01	1.000	6
1203		u7861.d	5.00	21-JUL-2006 09:27	1.000	7
1204		u7862.d	5.00	21-JUL-2006 09:53	1.000	8
1205		u7863.d	5.00	21-JUL-2006 10:19	1.000	9
BLANK		u7864.d	5.00	21-JUL-2006 10:45	1.000	10
1600		u7865.d	5.00	21-JUL-2006 11:11	1.000	11

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LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 21-JUL-2006
Instrument: msv3.i
Analyst(s): ABD

Standard	Conc ppm	
Int. Standard	25	5-49-10
Surrogate	25	5-49-10
8260	250	5-50-8
Ac/Ac/VA	250/50	5-49-11
CVE	250	5-50-7
A91	250	5-49-8
A92	250	5-49-9
1,3-butadiene	250	5-46-10
8260 ICV	250	5-51-6
2CVE ICV	250	5-47-5
AC/AC/VA ICV	50	5-50-11

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1000		u7866.d	0.00 ml	21-JUL-2006 11:33	1.000	ABD	2	all
1209		u7867.d	5.00 ml	21-JUL-2006 12:10	1.000	ABD	1	8260
1207		u7868.d	5.00 ml	21-JUL-2006 12:36	1.000	ABD	2	8260
1208		u7869.d	5.00 ml	21-JUL-2006 13:03	1.000	ABD	4	8260
1201		u7870.d	5.00 ml	21-JUL-2006 13:29	1.000	ABD	6	8260
1206		u7871.d	5.00 ml	21-JUL-2006 13:55	1.000	ABD	7	8260
1202		u7872.d	5.00 ml	21-JUL-2006 14:22	1.000	ABD	8	8260
1203		u7873.d	5.00 ml	21-JUL-2006 14:48	1.000	ABD	9	8260
1204		u7874.d	5.00 ml	21-JUL-2006 15:15	1.000	ABD	10	8260
1205		u7875.d	5.00 ml	21-JUL-2006 15:41	1.000	ABD	11	8260
BLANK		u7876.d	5.00 ml	21-JUL-2006 16:08	1.000	ABD	12	all
1600		u7877.d	5.00 ml	21-JUL-2006 16:34	1.000	ABD	13	8260
1600		u7878.d	5.00 ml	21-JUL-2006 17:09	1.000	ABD	14	8260
1400		u7879.d	5.00 ml	21-JUL-2006 17:40	1.000	ABD	15	APP9
393130		u7880.d	5.00 ml	21-JUL-2006 18:07	1.000	ABD	16	8260
1400		u7881.d	5.00 ml	21-JUL-2006 18:33	1.000	ABD	16	APP9
393131		u7882.d	5.00 ml	21-JUL-2006 18:59	1.000	ABD	1	8260
393129		u7883.d	5.00 ml	21-JUL-2006 19:26	1.000	ABD	2	all
20607140403		u7884.d	5.00 ml	21-JUL-2006 19:52	1.000	KCB	4	all
20607140407		u7885.d	5.00 ml	21-JUL-2006 20:18	1.000	KCB	6	all
20607140408		u7886.d	5.00 ml	21-JUL-2006 20:44	1.000	KCB	7	all
20607140409		u7887.d	5.00 ml	21-JUL-2006 21:11	1.000	KCB	8	all
20607140410		u7888.d	5.00 ml	21-JUL-2006 21:37	1.000	KCB	9	all
20607140411		u7889.d	5.00 ml	21-JUL-2006 22:03	1.000	KCB	10	all
20607140412		u7890.d	5.00 ml	21-JUL-2006 22:29	1.000	KCB	11	all
20607140413		u7891.d	5.00 ml	21-JUL-2006 22:56	1.000	KCB	12	all
20607140414		u7892.d	5.00 ml	21-JUL-2006 23:22	1.000	KCB	13	all
20607140415	out of tune	u7893.d	5.00 ml	21-JUL-2006 23:48	1.000	KCB	14	all
20607140416	out of tune	u7894.d	5.00 ml	22-JUL-2006 00:14	1.000	KCB	15	all
20607140417	out of tune	u7895.d	5.00 ml	22-JUL-2006 00:40	1.000	KCB	16	all
BLANK		u7896.d	5.00 ml	22-JUL-2006 01:06	1.000	KCB	1	all
BLANK		u7897.d	5.00 ml	22-JUL-2006 01:32	1.000	KCB	2	all
BLANK		u7898.d	5.00 ml	22-JUL-2006 01:59	1.000	ABD	3	all
BLANK		u7899.d	5.00 ml	22-JUL-2006 02:24	1.000	ABD	4	all
BLANK		u7900.d	5.00 ml	22-JUL-2006 02:50	1.000	ABD	5	all
BLANK		u7901.d	5.00 ml	22-JUL-2006 03:16	1.000	ABD	6	all

TUNE = 23:33

167055

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 06-AUG-2006
Instrument: msv3.i
Analyst(s): VWM

Standard	Conc ppm	
Int. Standard	25	5-51-8
Surrogate	25	5-51-8
8260	250	5-51-1
Ac/Ac/VA	250/50	5-52-2
CVE	250	5-51-7
THF	250	5-52-3
APP2	50	5-50-12
APP1	250	5-49-8

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
1000		u8535.d	0.00	06-AUG-2006 11:02	1.000	2
1400		u8536.d	5.00	06-AUG-2006 11:40	1.000	10
1400		u8537.d	5.00	06-AUG-2006 12:12	1.000	1
1400		u8538.d	5.00	06-AUG-2006 12:44	1.000	2
398295		u8539.d	5.00	06-AUG-2006 13:09	1.000	3
398296		u8540.d	5.00	06-AUG-2006 13:34	1.000	4
398294		u8541.d	5.00	06-AUG-2006 14:00	1.000	5
20608030306		u8542.d	5.00	06-AUG-2006 14:31	1.000	6
20608030310		u8543.d	5.00	06-AUG-2006 14:57	1.000	7
20608030311		u8544.d	5.00	06-AUG-2006 15:22	1.000	8
20608044116	RR ALL IS LOW	u8545.d	5.00	06-AUG-2006 15:48	1.000	10
20608044117	" "	u8546.d	5.00	06-AUG-2006 16:13	1.000	11
20608042411		u8547.d	5.00	06-AUG-2006 16:40	1.000	12
20608042412		u8548.d	5.00	06-AUG-2006 17:06	1.000	13
20608042421		u8549.d	5.00	06-AUG-2006 17:32	1.000	14
20608042423		u8550.d	5.00	06-AUG-2006 17:58	1.000	15
20608042807		u8551.d	5.00	06-AUG-2006 18:24	1.000	16
20608042811		u8552.d	5.00	06-AUG-2006 18:50	1.000	1
20608043109		u8553.d	5.00	06-AUG-2006 19:16	1.000	2
20608043110		u8554.d	5.00	06-AUG-2006 19:42	1.000	3
20608032806		u8555.d	5.00	06-AUG-2006 20:08	1.000	4
20608044118		u8556.d	5.00	06-AUG-2006 20:34	1.000	5
20608033309		u8557.d	5.00	06-AUG-2006 20:59	1.000	6
20608042403		u8558.d	5.00	06-AUG-2006 21:25	1.000	7
20608042420		u8559.d	5.00	06-AUG-2006 21:51	1.000	8
20608042422	RR ALL IS LOW	u8560.d	5.00	06-AUG-2006 22:17	1.000	10
20608045323	" "	u8561.d	5.00	06-AUG-2006 22:43	1.000	11
BLANK		u8562.d	5.00	06-AUG-2006 23:07	1.000	12
BLANK		u8563.d	5.00	06-AUG-2006 23:33	1.000	13
BLANK		u8564.d	5.00	06-AUG-2006 23:59	1.000	14
BLANK		u8565.d	5.00	07-AUG-2006 00:25	1.000	15
BLANK		u8566.d	5.00	07-AUG-2006 00:51	1.000	16

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LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 14-JUN-2006
Instrument: msv5.i
Analyst(s): ABD

Standard	Conc ppm		ICV
Int. Standard	25	5-48-6	
Surrogate	25	5-48-6	
THF	250	5-47-18	5-41-5
APP2	50	5-45-11	5-41-8
APP1	250	5-40-1	5-49-1

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
1000		g5021.d	0.00	14-JUN-2006 06:14	1.000	2
1400		g5022.d	5.00	14-JUN-2006 06:46	1.000	1
1206	APP9	g5023.d	5.00	14-JUN-2006 07:30	1.000	2
1201		g5024.d	5.00	14-JUN-2006 08:00	1.000	3
1201		g5025.d	5.00	14-JUN-2006 08:30	1.000	3
1208		g5026.d	5.00	14-JUN-2006 08:56	1.000	4
1202		g5027.d	5.00	14-JUN-2006 09:23	1.000	5
1203		g5028.d	5.00	14-JUN-2006 09:48	1.000	6
1204		g5029.d	5.00	14-JUN-2006 10:15	1.000	7
1205		g5030.d	5.00	14-JUN-2006 10:47	1.000	8
BLANK		g5031.d	5.00	14-JUN-2006 11:12	1.000	9
1600		g5032.d	5.00	14-JUN-2006 11:42	1.000	10

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167057

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 07-AUG-2006
Instrument: msv5.i
Analyst(s): RJO

Standard	Conc ppm		ICV
Int. Standard	50	5-51-8	
Surrogate	50	5-51-8	
8260	50	5-51-5	5-51-6
Ac/Ac/VA	250/50	5-52-2	5-50-1
CVE	50	5-51-7	5-47-5
APP9-MIX1	250	5-49-8	
APP9-MIX2	50	5-50-12	
THF	250	5-52-3	

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
1000		g7054.d	0.00	07-AUG-2006 09:44	1.000	2
1205	8260_W ICAL	g7055.d	5.00	07-AUG-2006 10:23	1.000	2
1209		g7056.d	5.00	07-AUG-2006 10:58	1.000	3
1207		g7057.d	5.00	07-AUG-2006 11:34	1.000	4
1201		g7058.d	5.00	07-AUG-2006 11:59	1.000	5
1208		g7059.d	5.00	07-AUG-2006 12:25	1.000	6
1202		g7060.d	5.00	07-AUG-2006 12:50	1.000	7
1203		g7061.d	5.00	07-AUG-2006 13:15	1.000	8
1204		g7062.d	5.00	07-AUG-2006 13:41	1.000	9
BLANK		g7063.d	5.00	07-AUG-2006 14:06	1.000	10
1600		g7064.d	5.00	07-AUG-2006 14:51	1.000	11
398596		g7065.d	5.00	07-AUG-2006 15:38	1.000	12
398597		g7066.d	5.00	07-AUG-2006 16:03	1.000	13
MB		g7067.d	5.00	07-AUG-2006 16:29	1.000	14
1400	APP9 CCV	g7068.d	5.00	07-AUG-2006 17:11	1.000	9
398595		g7069.d	5.00	07-AUG-2006 17:36	1.000	15
20608020403		g7070.d	5.00	07-AUG-2006 18:15	1.000	10
20608020404		g7071ms.d	5.00	07-AUG-2006 18:40	1.000	11
20608020405		g7072msd.d	5.00	07-AUG-2006 19:05	1.000	12
BLANK		g7073.d	5.00	07-AUG-2006 19:30	1.000	13
20608020410		g7074.d	5.00	07-AUG-2006 19:55	1.000	14
20608020411		g7075.d	5.00	07-AUG-2006 20:19	1.000	15
20608020401	RR 1:2	g7076.d	5.00	07-AUG-2006 20:44	1.000	16
20608020402	RR 1:2	g7077.d	5.00	07-AUG-2006 21:09	1.000	1
20608020407		g7078.d	5.00	07-AUG-2006 21:35	1.000	2
20608020408	OUT OF TUNE	g7079.d	5.00	07-AUG-2006 22:00	1.000	3
BLANK		g7080.d	5.00	07-AUG-2006 22:24	1.000	4
BLANK		g7081.d	5.00	07-AUG-2006 22:49	1.000	5
BLANK		g7082.d	5.00	07-AUG-2006 23:14	1.000	6
BLANK		g7083.d	5.00	07-AUG-2006 23:39	1.000	7
BLANK		g7084.d	5.00	08-AUG-2006 00:04	1.000	8

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TUNE = 21:44

167058

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 11-AUG-2006
Instrument: msv5.i
Analyst(s): VWM

Standard	Conc ppm
Int. Standard	50 5-51-8
Surrogate	50 5-51-8
8260	50 5-51-5
Ac/Ac/VA	250/50 5-52-2
CVE	50 5-51-7
APP9 MIX 1	250 5-49-8
APP9 MIX 2	50 5-50-12
THF	250 5-52-3

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
1000		g7234.d	0.00	11-AUG-2006 07:26	1.000	2
1000		g7234W.d	0.00	11-AUG-2006 07:26	1.000	2
1400		g7235.d	5.00	11-AUG-2006 07:59	1.000	2
1400		g7235W.d	5.00	11-AUG-2006 07:59	1.000	2
400119		g7236.d	5.00	11-AUG-2006 08:33	50.000	3
400410		g7236W.d	5.00	11-AUG-2006 08:33	1.000	3
400120		g7237.d	5.00	11-AUG-2006 08:58	50.000	4
400413		g7237W.d	5.00	11-AUG-2006 08:58	1.000	4
1400		g7238.d	5.00	11-AUG-2006 09:23	1.000	5
1400		g7238W.d	5.00	11-AUG-2006 09:23	1.000	5
400118		g7239.d	5.00	11-AUG-2006 09:47	50.000	6
20608030303		g7240.d	5.00	11-AUG-2006 10:29	50.000	1
20608043101		g7241.d	5.09	11-AUG-2006 11:11	50.000	2
20608043104		g7242.d	5.17	11-AUG-2006 11:36	50.000	3
20608043105		g7243.d	5.15	11-AUG-2006 12:01	50.000	4
20608043106		g7244.d	5.12	11-AUG-2006 12:26	50.000	5
20608043107		g7245.d	5.16	11-AUG-2006 12:51	50.000	6
20608043108		g7246.d	5.01	11-AUG-2006 13:16	50.000	7
20608043102		g7247.d	5.46	11-AUG-2006 13:41	50.000	8
20608043103		g7248.d	5.26	11-AUG-2006 14:06	50.000	9
400409		g7249.d	5.00	11-AUG-2006 14:30	1.000	10
20608032201		g7250.d	5.00	11-AUG-2006 14:56	2500.000	11
20608032201		g7251.d	5.11	11-AUG-2006 15:29	50.000	12
20607312001		g7252.d	5.00	11-AUG-2006 16:11	20.000	1
BLANK		g7253.d	5.00	11-AUG-2006 16:36	1.000	2
20607312002		g7254.d	5.00	11-AUG-2006 17:02	500.000	3

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167059

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 10-AUG-2006
Instrument: msv6.i
Analyst(s): RJO

Standard	Conc ppm
Int. Standard	50 5-50-9
Surrogate	50 5-51-3
8260	50 5-51-5
Ac/Ac/VA	250/50 5-51-7
CVE	50 5-52-2
8260 ICV	250 5-51-6
2CVE ICV	250 5-47-5
AC/AC ICV	50 5-52-11

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1000		b6554.d	0.00 ml	10-AUG-2006 17:05	1.000	RJO	2	all
1206		b6555.d	5.00 g	10-AUG-2006 17:59	1.000	JCK	2	8260b
1201		b6556.d	5.00 g	10-AUG-2006 18:19	1.000	JCK	3	8260b
1207		b6557.d	5.00 g	10-AUG-2006 18:40	1.000	JCK	4	8260b
1202		b6558.d	5.00 g	10-AUG-2006 19:01	1.000	JCK	5	8260b
1203		b6559.d	5.00 g	10-AUG-2006 19:22	1.000	JCK	6	8260b
1204		b6560.d	5.00 g	10-AUG-2006 19:42	1.000	JCK	7	8260b
1205		b6561.d	5.00 g	10-AUG-2006 20:03	1.000	RJO	8	8260b
BLANK		b6562.d	5.00 g	10-AUG-2006 20:24	1.000	JCK	9	8260b
1600		b6563.d	5.00 g	10-AUG-2006 21:06	1.000	RJO	10	8260b
400037		b6564.d	5.00 g	10-AUG-2006 21:46	1.000	RJO	11	8260b
400038		b6565.d	5.00 g	10-AUG-2006 22:07	1.000	RJO	12	8260b
400036		b6566.d	5.00 g	10-AUG-2006 22:30	1.000	RJO	13	8260b
400036		b6567.d	5.00 g	10-AUG-2006 22:51	1.000	RJO	14	8260b
20608051401	ALL IS OUT	b6568.d	5.00 g	10-AUG-2006 23:12	1.000	RJO	15	8260b
20608051402		b6569.d	4.97 g	10-AUG-2006 23:33	1.000	RJO	16	8260b
20608051403		b6570.d	2.98 g	10-AUG-2006 23:54	1.000	RJO	17	8260b
20608051404		b6571.d	4.98 g	11-AUG-2006 00:15	1.000	RJO	17	8260b
20608051405		b6572.d	4.92 g	11-AUG-2006 00:35	1.000	RJO	18	8260b
20608051406		b6573.d	5.69 g	11-AUG-2006 00:56	1.000	RJO	19	8260b
20608051407	ALL IS OUT	b6574.d	12.32 g	11-AUG-2006 01:17	1.000	RJO	20	8260b
20608051408	ALL IS OUT	b6575.d	4.22 g	11-AUG-2006 01:38	1.000	RJO	21	8260b
20608051409		b6576.d	4.63 g	11-AUG-2006 01:59	1.000	RJO	22	8260b
20608051413	LAST IS OUT	b6577.d	4.68 g	11-AUG-2006 02:20	1.000	RJO	23	8260b
20608051414		b6578.d	4.21 g	11-AUG-2006 02:41	1.000	RJO	24	8260b
20608051415		b6579.d	4.93 g	11-AUG-2006 03:02	1.000	RJO	25	8260b
BLANK		b6580.d	5.00 g	11-AUG-2006 03:23	1.000	RJO	26	8260b
BLANK		b6581.d	5.00 g	11-AUG-2006 03:44	1.000	RJO	27	8260b
BLANK		b6582.d	5.00 g	11-AUG-2006 04:05	1.000	RJO	28	8260b
BLANK		b6583.d	5.00 g	11-AUG-2006 04:25	1.000	RJO	29	8260b
BLANK		b6584.d	5.00 g	11-AUG-2006 04:46	1.000	RJO	30	8260b
BLANK		b6585.d	5.00 g	11-AUG-2006 05:07	1.000	RJO	31	8260b
BLANK		b6586.d	5.00 g	11-AUG-2006 05:28	1.000	RJO	32	8260b
BLANK		b6587.d	5.00 g	11-AUG-2006 05:49	1.000	RJO	33	8260b
BLANK		b6588.d	5.00 g	11-AUG-2006 06:10	1.000	RJO	34	8260b

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 10-AUG-2006
Instrument: msv6.i
Analyst(s): RJO

Standard	Conc ppm
Int. Standard	50 5-50-9
Surrogate	50 5-51-3
8260	50 5-51-5
Ac/Ac/VA	250/50 5-51-7
CVE	50 5-52-2
8260 ICV	250 5-51-6
2CVE ICV	250 5-47-5
AC/AC ICV	50 5-52-11

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1000		b6554.d	0.00 ml	10-AUG-2006 17:05	1.000	RJO	2	all
1206		b6555.d	5.00 g	10-AUG-2006 17:59	1.000	JCK	2	8260b
1201		b6556.d	5.00 g	10-AUG-2006 18:19	1.000	JCK	3	8260b
1207		b6557.d	5.00 g	10-AUG-2006 18:40	1.000	JCK	4	8260b
1202		b6558.d	5.00 g	10-AUG-2006 19:01	1.000	JCK	5	8260b
1203		b6559.d	5.00 g	10-AUG-2006 19:22	1.000	JCK	6	8260b
1204		b6560.d	5.00 g	10-AUG-2006 19:42	1.000	JCK	7	8260b
1205		b6561.d	5.00 g	10-AUG-2006 20:03	1.000	RJO	8	8260b
BLANK		b6562.d	5.00 g	10-AUG-2006 20:24	1.000	JCK	9	8260b
1600		b6563.d	5.00 g	10-AUG-2006 21:06	1.000	RJO	10	8260b
400037		b6564.d	5.00 g	10-AUG-2006 21:46	1.000	RJO	11	8260b
400038		b6565.d	5.00 g	10-AUG-2006 22:07	1.000	RJO	12	8260b
400036		b6566.d	5.00 g	10-AUG-2006 22:30	1.000	RJO	13	8260b
400036		b6567.d	5.00 g	10-AUG-2006 22:51	1.000	RJO	14	8260b
20608051401	ALL IS OUT	b6568.d	5.00 g	10-AUG-2006 23:12	1.000	RJO	15	8260b
20608051402		b6569.d	4.97 g	10-AUG-2006 23:33	1.000	RJO	16	8260b
20608051403		b6570.d	2.98 g	10-AUG-2006 23:54	1.000	RJO	17	8260b
20608051404		b6571.d	4.98 g	11-AUG-2006 00:15	1.000	RJO	17	8260b
20608051405		b6572.d	4.92 g	11-AUG-2006 00:35	1.000	RJO	18	8260b
20608051406		b6573.d	5.69 g	11-AUG-2006 00:56	1.000	RJO	19	8260b
20608051407	ALL IS OUT	b6574.d	12.32 g	11-AUG-2006 01:17	1.000	RJO	20	8260b
20608051408	ALL IS OUT	b6575.d	4.22 g	11-AUG-2006 01:38	1.000	RJO	21	8260b
20608051409		b6576.d	4.63 g	11-AUG-2006 01:59	1.000	RJO	22	8260b
20608051413	LAST IS OUT	b6577.d	4.68 g	11-AUG-2006 02:20	1.000	RJO	23	8260b
20608051414		b6578.d	4.21 g	11-AUG-2006 02:41	1.000	RJO	24	8260b
20608051415		b6579.d	4.93 g	11-AUG-2006 03:02	1.000	RJO	25	8260b
BLANK		b6580.d	5.00 g	11-AUG-2006 03:23	1.000	RJO	26	8260b
BLANK		b6581.d	5.00 g	11-AUG-2006 03:44	1.000	RJO	27	8260b
BLANK		b6582.d	5.00 g	11-AUG-2006 04:05	1.000	RJO	28	8260b
BLANK		b6583.d	5.00 g	11-AUG-2006 04:25	1.000	RJO	29	8260b
BLANK		b6584.d	5.00 g	11-AUG-2006 04:46	1.000	RJO	30	8260b
BLANK		b6585.d	5.00 g	11-AUG-2006 05:07	1.000	RJO	31	8260b
BLANK		b6586.d	5.00 g	11-AUG-2006 05:28	1.000	RJO	32	8260b
BLANK		b6587.d	5.00 g	11-AUG-2006 05:49	1.000	RJO	33	8260b
BLANK		b6588.d	5.00 g	11-AUG-2006 06:10	1.000	RJO	34	8260b

LABORATORY CHRONICLE: GC-MS DEPARTMENT

Date: 11-AUG-2006
Instrument: msv6.i
Analyst(s): AJV

Standard	Conc ppm	
Int. Standard	50	5-50-9
Surrogate	50	5-51-3
8260	50	5-51-5
Ac/Ac/VA	250/50	5-52-2
CVE	50	5-51-7

Sample ID	Status/Comments	DataFile	WT VOL	Injection Time	DilFactor	ALS
1000		b6592.d	0.00	11-AUG-2006 11:34	1.000	2
1400		b6593.d	5.00	11-AUG-2006 12:13	1.000	2
400440		b6594.d	5.00	11-AUG-2006 12:59	1.000	3
400443		b6595.d	5.00	11-AUG-2006 13:20	1.000	4
BLANK		b6596.d	5.00	11-AUG-2006 13:41	1.000	5
400439		b6597.d	5.00	11-AUG-2006 14:02	1.000	6
20608043101		b6598.d	5.00	11-AUG-2006 14:44	5.000	7
20608043102	NOT SPIKED	b6599.d	5.00	11-AUG-2006 15:04	5.000	8
20608043103	" "	b6600.d	5.00	11-AUG-2006 15:25	5.000	9
20608043104		b6601.d	5.00	11-AUG-2006 15:46	5.000	10
20608043105		b6602.d	5.00	11-AUG-2006 16:07	5.000	11
20608043106		b6603.d	5.00	11-AUG-2006 16:27	5.000	12
20608043107		b6604.d	5.00	11-AUG-2006 16:48	5.000	13
20608043108	IS FAILURE, RR 10X	b6605.d	5.00	11-AUG-2006 17:09	5.000	14
20608043101	IS FAILURE, USE 5X	b6606.d	5.11	11-AUG-2006 17:30	1.000	15
20608043104	" "	b6607.d	5.11	11-AUG-2006 17:51	1.000	16
20608043105	" "	b6608.d	5.14	11-AUG-2006 18:12	1.000	17
20608043106	" "	b6609.d	5.08	11-AUG-2006 19:26	1.000	49
20608043102	" "	b6610.d	5.08	11-AUG-2006 19:47	1.000	50
20608043103	" "	b6611.d	5.11	11-AUG-2006 20:07	1.000	51
BLANK		b6612.d	5.00	11-AUG-2006 20:28	1.000	52
20608043107	IS FAILURE, USE 5X	b6613.d	5.00	11-AUG-2006 20:50	1.000	53
20608043108		b6614.d	5.00	11-AUG-2006 21:11	10.000	54
20608030303		b6615.d	5.14	11-AUG-2006 21:31	1.000	54
BLANK		b6616.d	5.00	11-AUG-2006 21:52	1.000	55
20608043102		b6617ms.d	5.00	11-AUG-2006 22:13	5.000	56
20608043103		b6618msd.d	5.00	11-AUG-2006 22:34	5.000	57
BLANK		b6619.d	5.00	11-AUG-2006 22:54	1.000	58
BLANK		b6620.d	5.00	11-AUG-2006 23:15	1.000	59
BLANK		b6621.d	5.00	11-AUG-2006 23:36	1.000	60

REVISED 01/01/2000

TUNE = 23:34

167062

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	FWPSE-006-EB	87		81		77		25		41		75		0
2.	LCS397847	85		82		79		37		57		94		0
3.	LCSD397848	85		78		69		34		56		96		0
4.	MB397846	87		79		92		30		49		90		0

CONTROL LIMITS

SMC 1	Nitrobenzene-d5	43	110
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	47	121
SMC 4	Phenol-d5	10	76
SMC 5	2-Fluorophenol	24	96
SMC 6	2,4,6-Tribromophenol	19	133

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	FWPSE01-001-(0-0.5)	67		72		68		62		68		69		0
2.	FWPSE01-001-(0-0.5) MS	74		80		73		64		74		75		0
3.	FWPSE01-001-(0-0.5) MSD	65		70		65		59		66		69		0
4.	SE-501-(0-0.5)	61		66		67		56		66		68		0
5.	FWPSE04-004-(0-0.5)	65		71		66		59		66		62		0
6.	FWPSE02-002-(0-0.5)	86		89		99		73		90		82		0
7.	FWPSE03-003-(0-0.5)	64		68		66		59		65		63		0
8.	FWPSE05-005-(0-0.5)	62		67		58		57		61		59		0
9.	MB397866	70		75		75		59		67		70		0
10.	LCS397867	70		74		77		66		74		83		0
11.	LCSD397868	70		76		76		63		74		83		0

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	40	120
SMC 2	2-Fluorobiphenyl	37	124
SMC 3	Terphenyl-d14	28	151
SMC 4	Phenol-d5	40	114
SMC 5	2-Fluorophenol	38	119
SMC 6	2,4,6-Tribromophenol	25	115

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Spike HSN : 397847

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/L	.1	0	.092	92		60 - 120
2,4,5-Trichlorophenol	mg/L	.1	0	.082	82		60 - 116
2,4,6-Trichlorophenol	mg/L	.1	0	.082	82		59 - 115
2,4-Dichlorophenol	mg/L	.1	0	.079	79		55 - 114
2,4-Dimethylphenol	mg/L	.1	0	.072	72		14 - 122
2,4-Dinitrophenol	mg/L	.1	0	.076	76		18 - 137
2,4-Dinitrotoluene	mg/L	.1	0	.085	85		37 - 138
2,6-Dinitrotoluene	mg/L	.1	0	.085	85		56 - 128
2-Chloronaphthalene	mg/L	.1	0	.078	78		48 - 110
2-Chlorophenol	mg/L	.1	0	.064	64		42 - 111
2-Methyl-4,6-dinitrophenol	mg/L	.1	0	.082	82		49 - 119
2-Methylnaphthalene	mg/L	.1	0	.065	65		40 - 110
2-Nitroaniline	mg/L	.1	0	.092	92		48 - 107
2-Nitrophenol	mg/L	.1	0	.075	75		59 - 110
3,3'-Dichlorobenzidine	mg/L	.1	0	.101	101		51 - 154
3-Nitroaniline	mg/L	.1	0	.089	89		34 - 118
4-Bromophenyl-phenylether	mg/L	.1	0	.09	90		61 - 112
4-Chloro-3-methylphenol	mg/L	.1	0	.077	77		44 - 118
4-Chloroaniline	mg/L	.1	0	.082	82		30 - 114
4-Chlorophenyl-phenylether	mg/L	.1	0	.086	86		52 - 115
4-Nitroaniline	mg/L	.101	0	.1	99		38 - 114
4-Nitrophenol	mg/L	.1	0	.043	43		3 - 83
Acenaphthene	mg/L	.1	0	.077	77		52 - 108
Acenaphthylene	mg/L	.1	0	.082	82		55 - 104
Acetophenone	mg/L	.1	0	.086	86		60 - 124
Aniline	mg/L	.1	0	.051	51		19 - 124
Anthracene	mg/L	.1	0	.087	87		58 - 113
Atrazine (Aatrex)	mg/L	.1	0	.109	109		39 - 148
Benzaldehyde	mg/L	.1	0	.137	137	*	40 - 118
Benzidine	mg/L	.1	0	.021	21		10 - 119
Benzo(a)anthracene	mg/L	.1	0	.081	81		56 - 113
Benzo(a)pyrene	mg/L	.1	0	.095	95		56 - 118
Benzo(b)fluoranthene	mg/L	.1	0	.089	89		55 - 116
Benzo(g,h,i)perylene	mg/L	.1	0	.094	94		44 - 132
Benzo(k)fluoranthene	mg/L	.1	0	.09	90		49 - 121

RPD : 1 out of 70 outside limits

Spike Recovery: 4 out of 140 outside limits

000604

167065

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Benzoic acid	mg/L	.1	0	.041	41		10 -	41
Benzyl alcohol	mg/L	.1	0	.069	69		32 -	113
Biphenyl	mg/L	.1	0	.076	76		39 -	122
Bis(2-Chloroethoxy)methane	mg/L	.1	0	.086	86		56 -	112
Bis(2-Chloroethyl)ether	mg/L	.1	0	.069	69		37 -	117
Butylbenzylphthalate	mg/L	.1	0	.085	85		62 -	122
Caprolactam	mg/L	.1	0	.029	29		4 -	41
Carbazole	mg/L	.1	0	.097	97		47 -	107
Chrysene	mg/L	.098	0	.086	88		58 -	117
Di-n-butylphthalate	mg/L	.1	0	.098	98		62 -	122
Di-n-octylphthalate	mg/L	.1	0	.099	99		56 -	133
Dibenz(a,h)anthracene	mg/L	.1	0	.09	90		50 -	138
Dibenzofuran	mg/L	.1	0	.079	79		54 -	112
Diethylphthalate	mg/L	.1	0	.088	88		56 -	120
Dimethyl-phthalate	mg/L	.1	0	.087	87		59 -	116
Fluoranthene	mg/L	.1	0	.091	91		55 -	118
Fluorene	mg/L	.1	0	.081	81		54 -	111
Hexachlorobenzene	mg/L	.1	0	.084	84		61 -	112
Hexachlorocyclopentadiene	mg/L	.1	0	.054	54		16 -	98
Hexachloroethane	mg/L	.1	0	.065	65		21 -	95
Indeno(1,2,3-cd)pyrene	mg/L	.1	0	.097	97		43 -	133
Isophorone	mg/L	.1	0	.08	80		53 -	117
N-Nitroso-di-n-propylamine	mg/L	.1	0	.094	94		47 -	118
N-Nitrosodimethylamine	mg/L	.1	0	.012	12		12 -	82
N-Nitrosodiphenylamine	mg/L	.098	0	.091	93		58 -	121
Nitrobenzene	mg/L	.1	0	.08	80		53 -	113
Pentachlorophenol	mg/L	.1	0	.078	78		25 -	158
Phenanthrene	mg/L	.1	0	.083	83		58 -	111
Phenol	mg/L	.1	0	.034	34		16 -	65
Pyrene	mg/L	.1	0	.079	79		54 -	117
Pyridine	mg/L	.1	0	.021	21		2 -	75
bis(2-Chloroisopropyl)ether	mg/L	.1	0	.088	88		47 -	116
bis(2-ethylhexyl)phthalate	mg/L	.1	0	.086	86		56 -	132
m,p-Cresol	mg/L	.1	0	.069	69		24 -	104
o-Cresol	mg/L	.1	0	.07	70		31 -	110

RPD : 1 out of 70 outside limits

Spike Recovery: 4 out of 140 outside limits

000605

167066

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Spike Dupe HSN : 397848

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/L	.1	.087	87		6		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/L	.1	.075	75		9		60 - 116	0 - 50
2,4,6-Trichlorophenol	mg/L	.1	.079	79		4		59 - 115	0 - 50
2,4-Dichlorophenol	mg/L	.1	.079	79		0		55 - 114	0 - 50
2,4-Dimethylphenol	mg/L	.1	.073	73		1		14 - 122	0 - 50
2,4-Dinitrophenol	mg/L	.1	.084	84		10		18 - 137	0 - 50
2,4-Dinitrotoluene	mg/L	.1	.093	93		9		37 - 138	0 - 33
2,6-Dinitrotoluene	mg/L	.1	.086	86		1		56 - 128	0 - 50
2-Chloronaphthalene	mg/L	.1	.076	76		3		48 - 110	0 - 50
2-Chlorophenol	mg/L	.1	.06	60		6		42 - 111	0 - 24
2-Methyl-4,6-dinitrophenol	mg/L	.1	.084	84		2		49 - 119	0 - 50
2-Methylnaphthalene	mg/L	.1	.067	67		3		40 - 110	0 - 50
2-Nitroaniline	mg/L	.1	.095	95		3		48 - 107	0 - 50
2-Nitrophenol	mg/L	.1	.075	75		0		59 - 110	0 - 50
3,3'-Dichlorobenzidine	mg/L	.1	.106	106		5		51 - 154	0 - 50
3-Nitroaniline	mg/L	.1	.093	93		4		34 - 118	0 - 50
4-Bromophenyl-phenylether	mg/L	.1	.084	84		7		61 - 112	0 - 50
4-Chloro-3-methylphenol	mg/L	.1	.076	76		1		44 - 118	0 - 26
4-Chloroaniline	mg/L	.1	.076	76		8		30 - 114	0 - 50
4-Chlorophenyl-phenylether	mg/L	.1	.086	86		0		52 - 115	0 - 50
4-Nitroaniline	mg/L	.101	.116	115	*	15		38 - 114	0 - 50
4-Nitrophenol	mg/L	.1	.051	51		17		3 - 83	0 - 31
Acenaphthene	mg/L	.1	.078	78		1		52 - 108	0 - 32
Acenaphthylene	mg/L	.1	.082	82		0		55 - 104	0 - 50
Acetophenone	mg/L	.1	.076	76		12		60 - 124	0 - 50
Aniline	mg/L	.1	.039	39		27		19 - 124	0 - 50
Anthracene	mg/L	.1	.086	86		1		58 - 113	0 - 50
Atrazine (Aatrex)	mg/L	.1	.106	106		3		39 - 148	0 - 50
Benzaldehyde	mg/L	.1	.116	116		17		40 - 118	0 - 50
Benzidine	mg/L	.1	.021	21		0		10 - 119	0 - 50
Benzo(a)anthracene	mg/L	.1	.084	84		4		56 - 113	0 - 50
Benzo(a)pyrene	mg/L	.1	.09	90		5		56 - 118	0 - 50
Benzo(b)fluoranthene	mg/L	.1	.091	91		2		55 - 116	0 - 50
Benzo(g,h,i)perylene	mg/L	.1	.09	90		4		44 - 132	0 - 50
Benzo(k)fluoranthene	mg/L	.1	.081	81		11		49 - 121	0 - 50

RPD : 1 out of 70 outside limits

Spike Recovery: 4 out of 140 outside limits

000606

167067

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Benzoic acid	mg/L	.1	.045	45	*	9		10 - 41	0 - 50
Benzyl alcohol	mg/L	.1	.061	61		12		32 - 113	0 - 50
Biphenyl	mg/L	.1	.081	81		6		39 - 122	0 - 50
Bis(2-Chloroethoxy)methane	mg/L	.1	.084	84		2		56 - 112	0 - 50
Bis(2-Chloroethyl)ether	mg/L	.1	.064	64		8		37 - 117	0 - 50
Butylbenzylphthalate	mg/L	.1	.085	85		0		62 - 122	0 - 50
Caprolactam	mg/L	.1	.031	31		7		4 - 41	0 - 50
Carbazole	mg/L	.1	.101	101		4		47 - 107	0 - 50
Chrysene	mg/L	.098	.083	85		4		58 - 117	0 - 50
Di-n-butylphthalate	mg/L	.1	.103	103		5		62 - 122	0 - 50
Di-n-octylphthalate	mg/L	.1	.108	108		9		56 - 133	0 - 50
Dibenz(a,h)anthracene	mg/L	.1	.086	86		5		50 - 138	0 - 50
Dibenzofuran	mg/L	.1	.079	79		0		54 - 112	0 - 50
Diethylphthalate	mg/L	.1	.095	95		8		56 - 120	0 - 50
Dimethyl-phthalate	mg/L	.1	.089	89		2		59 - 116	0 - 50
Fluoranthene	mg/L	.1	.103	103		12		55 - 118	0 - 50
Fluorene	mg/L	.1	.085	85		5		54 - 111	0 - 50
Hexachlorobenzene	mg/L	.1	.078	78		7		61 - 112	0 - 50
Hexachlorocyclopentadiene	mg/L	.1	.057	57		5		16 - 98	0 - 50
Hexachloroethane	mg/L	.1	.063	63		3		21 - 95	0 - 50
Indeno(1,2,3-cd)pyrene	mg/L	.1	.094	94		3		43 - 133	0 - 50
Isophorone	mg/L	.1	.077	77		4		53 - 117	0 - 50
N-Nitroso-di-n-propylamine	mg/L	.1	.08	80		16		47 - 118	0 - 32
N-Nitrosodimethylamine	mg/L	.1	.011	11	*	9		12 - 82	0 - 50
N-Nitrosodiphenylamine	mg/L	.098	.085	87		7		58 - 121	0 - 50
Nitrobenzene	mg/L	.1	.079	79		1		53 - 113	0 - 50
Pentachlorophenol	mg/L	.1	.075	75		4		25 - 158	0 - 32
Phenanthrene	mg/L	.1	.082	82		1		58 - 111	0 - 50
Phenol	mg/L	.1	.032	32		6		16 - 65	0 - 25
Pyrene	mg/L	.1	.068	68		15		54 - 117	0 - 30
Pyridine	mg/L	.1	.00716	7		98	*	2 - 75	0 - 50
bis(2-Chloroisopropyl)ether	mg/L	.1	.082	82		7		47 - 116	0 - 50
bis(2-ethylhexyl)phthalate	mg/L	.1	.093	93		8		56 - 132	0 - 50
m,p-Cresol	mg/L	.1	.063	63		9		24 - 104	0 - 50
o-Cresol	mg/L	.1	.063	63		11		31 - 110	0 - 50

RPD : 1 out of 70 outside limits

Spike Recovery: 4 out of 140 outside limits

000607

167068

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329649

Spike HSN : 397867

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	3.33	0	2.52	76		60 - 120
2,4,5-Trichlorophenol	mg/kg	3.33	0	2.15	65		58 - 111
2,4,6-Trichlorophenol	mg/kg	3.33	0	2.19	66		60 - 110
2,4-Dichlorophenol	mg/kg	3.33	0	2.2	66		53 - 111
2,4-Dimethylphenol	mg/kg	3.33	0	2.08	62		51 - 108
2,4-Dinitrophenol	mg/kg	3.33	0	.699	21	*	27 - 121
2,4-Dinitrotoluene	mg/kg	3.33	0	2.56	77		44 - 121
2,6-Dinitrotoluene	mg/kg	3.33	0	2.45	74		55 - 117
2-Chloronaphthalene	mg/kg	3.33	0	2.37	71		57 - 112
2-Chlorophenol	mg/kg	3.33	0	1.97	59		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	0	.899	27	*	49 - 115
2-Methylnaphthalene	mg/kg	3.33	0	2.18	65		53 - 110
2-Nitroaniline	mg/kg	3.33	0	2.62	79		38 - 107
2-Nitrophenol	mg/kg	3.33	0	2.04	61		58 - 110
3,3'-Dichlorobenzidine	mg/kg	3.33	0	3.7	111		24 - 127
3-Nitroaniline	mg/kg	3.33	0	2.49	75		9 - 106
4-Bromophenyl-phenylether	mg/kg	3.33	0	2.69	81		59 - 118
4-Chloro-3-methylphenol	mg/kg	3.33	0	2.22	67		48 - 112
4-Chloroaniline	mg/kg	3.33	0	2.03	61		3 - 101
4-Chlorophenyl-phenylether	mg/kg	3.33	0	2.65	80		54 - 112
4-Nitroaniline	mg/kg	3.37	0	2.83	84		24 - 99
4-Nitrophenol	mg/kg	3.33	0	2.5	75		38 - 125
Acenaphthene	mg/kg	3.33	0	2.29	69		41 - 120
Acenaphthylene	mg/kg	3.33	0	2.43	73		57 - 105
Acetophenone	mg/kg	3.33	0	2.26	68		55 - 117
Aniline	mg/kg	3.33	0	1.84	55		4 - 126
Anthracene	mg/kg	3.33	0	2.5	75		60 - 108
Atrazine (Aatrex)	mg/kg	3.33	0	2.96	89		37 - 148
Benzaldehyde	mg/kg	3.33	0	.65	20	*	25 - 127
Benzidine	mg/kg	3.33	0	1.72	52		8 - 78
Benzo(a)anthracene	mg/kg	3.33	0	2.57	77		60 - 107
Benzo(a)pyrene	mg/kg	3.33	0	2.62	79		62 - 110
Benzo(b)fluoranthene	mg/kg	3.33	0	2.7	81		56 - 110
Benzo(g,h,i)perylene	mg/kg	3.33	0	2.05	62		46 - 128
Benzo(k)fluoranthene	mg/kg	3.33	0	2.36	71		55 - 113
Benzoic acid	mg/kg	3.33	0	1.6	48		10 - 130

RPD : 1 out of 70 outside limits

Spike Recovery: 9 out of 140 outside limits

000608

167069

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329649

Benzyl alcohol	mg/kg	3.33	0	2.08	62		48	- 116
Biphenyl	mg/kg	3.33	0	2.52	76		43	- 118
Bis(2-Chloroethoxy)methane	mg/kg	3.33	0	2.47	74		53	- 109
Bis(2-Chloroethyl)ether	mg/kg	3.33	0	1.79	54		39	- 114
Butylbenzylphthalate	mg/kg	3.33	0	2.46	74		63	- 121
Caprolactam	mg/kg	3.33	0	3.03	91		42	- 130
Carbazole	mg/kg	3.33	0	2.75	83		50	- 96
Chrysene	mg/kg	3.27	0	2.5	77		61	- 111
Di-n-butylphthalate	mg/kg	3.33	0	2.96	89		60	- 115
Di-n-octylphthalate	mg/kg	3.33	0	3.15	95		55	- 121
Dibenz(a,h)anthracene	mg/kg	3.33	0	2.28	68		50	- 135
Dibenzofuran	mg/kg	3.33	0	2.34	70		55	- 110
Diethylphthalate	mg/kg	3.33	0	2.82	85		52	- 114
Dimethyl-phthalate	mg/kg	3.33	0	2.74	82		56	- 111
Fluoranthene	mg/kg	3.33	0	2.73	82		54	- 108
Fluorene	mg/kg	3.33	0	2.46	74		54	- 106
Hexachlorobenzene	mg/kg	3.33	0	2.5	75		50	- 121
Hexachlorocyclopentadiene	mg/kg	3.33	0	1.14	34	*	48	- 116
Hexachloroethane	mg/kg	3.33	0	1.94	58		43	- 111
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	0	3.02	91		43	- 132
Isophorone	mg/kg	3.33	0	2.41	72		55	- 112
N-Nitroso-di-n-propylamine	mg/kg	3.33	0	2.35	71		45	- 122
N-Nitrosodimethylamine	mg/kg	3.33	0	.743	22	*	31	- 130
N-Nitrosodiphenylamine	mg/kg	3.27	0	2.57	79		58	- 123
Nitrobenzene	mg/kg	3.33	0	2.18	65		53	- 112
Pentachlorophenol	mg/kg	3.33	0	2.64	79		23	- 142
Phenanthrene	mg/kg	3.33	0	2.4	72		59	- 107
Phenol	mg/kg	3.33	0	2	60		34	- 116
Pyrene	mg/kg	3.33	0	2.04	61		39	- 135
Pyridine	mg/kg	3.33	0	2.21	66		11	- 92
bis(2-Chloroisopropyl)ether	mg/kg	3.33	0	2.37	71		45	- 113
bis(2-ethylhexyl)phthalate	mg/kg	3.33	0	2.61	78		56	- 127
m,p-Cresol	mg/kg	3.33	0	2.1	63		50	- 110
o-Cresol	mg/kg	3.33	0	1.95	59		50	- 108

RPD : 1 out of 70 outside limits

Spike Recovery: 9 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329649

Spike Dupe HSN : 397868

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.33	2.54	76		.8		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.33	2.13	64		.9		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	3.33	2.2	66		.5		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	3.33	2.12	64		4		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	3.33	2.02	61		3		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	3.33	.664	20	*	5		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	3.33	2.54	76		.8		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	3.33	2.46	74		.4		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	3.33	2.42	73		2		57 - 112	0 - 19
2-Chlorophenol	mg/kg	3.33	1.88	56		5		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	.9	27	*	.1		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	3.33	2.15	65		1		53 - 110	0 - 18
2-Nitroaniline	mg/kg	3.33	2.61	78		.4		38 - 107	0 - 19
2-Nitrophenol	mg/kg	3.33	2.06	62		1		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	3.33	3.59	108		3		24 - 127	0 - 35
3-Nitroaniline	mg/kg	3.33	2.41	72		3		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.33	2.68	80		.4		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	3.33	2.07	62		7		48 - 112	0 - 24
4-Chloroaniline	mg/kg	3.33	1.82	55		11		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	3.33	2.66	80		.4		54 - 112	0 - 19
4-Nitroaniline	mg/kg	3.37	2.75	82		3		24 - 99	0 - 25
4-Nitrophenol	mg/kg	3.33	2.48	74		.8		38 - 125	0 - 29
Acenaphthene	mg/kg	3.33	2.33	70		2		41 - 120	0 - 19
Acenaphthylene	mg/kg	3.33	2.48	74		2		57 - 105	0 - 18
Acetophenone	mg/kg	3.33	2.18	65		4		55 - 117	0 - 50
Aniline	mg/kg	3.33	1.78	53		3		4 - 126	0 - 29
Anthracene	mg/kg	3.33	2.48	74		.8		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	3.33	3.07	92		4		37 - 148	0 - 50
Benzaldehyde	mg/kg	3.33	.685	21	*	5		25 - 127	0 - 50
Benzidine	mg/kg	3.33	1.81	54		5		8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	3.33	2.46	74		4		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	3.33	2.62	79		0		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	3.33	2.59	78		4		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	3.33	2.25	68		9		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	3.33	2.44	73		3		55 - 113	0 - 31
Benzoic acid	mg/kg	3.33	1.36	41		16		10 - 130	0 - 40

RPD : 1 out of 70 outside limits

Spike Recovery: 9 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329649

Benzyl alcohol	mg/kg	3.33	1.98	59		5		48 - 116	0 - 37
Biphenyl	mg/kg	3.33	2.41	72		4		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.33	2.4	72		3		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	3.33	2.11	63		16		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	3.33	2.42	73		2		63 - 121	0 - 21
Caprolactam	mg/kg	3.33	2.87	86		5		42 - 130	0 - 50
Carbazole	mg/kg	3.33	2.7	81		2		50 - 96	0 - 17
Chrysene	mg/kg	3.27	2.53	77		1		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	3.33	2.88	86		3		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	3.33	3.05	92		3		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	3.33	2.41	72		6		50 - 135	0 - 23
Dibenzofuran	mg/kg	3.33	2.38	71		2		55 - 110	0 - 17
Diethylphthalate	mg/kg	3.33	2.8	84		.7		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	3.33	2.72	82		.7		56 - 111	0 - 17
Fluoranthene	mg/kg	3.33	2.68	80		2		54 - 108	0 - 20
Fluorene	mg/kg	3.33	2.44	73		.8		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	3.33	2.51	75		.4		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	3.33	1.3	39	*	13		48 - 116	0 - 27
Hexachloroethane	mg/kg	3.33	2.02	61		4		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	3.1	93		3		43 - 132	0 - 33
Isophorone	mg/kg	3.33	2.37	71		2		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	3.33	2.19	66		7		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	3.33	2.81	84		116	*	31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	3.27	2.62	80		2		58 - 123	0 - 19
Nitrobenzene	mg/kg	3.33	2.2	66		.9		53 - 112	0 - 23
Pentachlorophenol	mg/kg	3.33	2.48	74		6		23 - 142	0 - 26
Phenanthrene	mg/kg	3.33	2.43	73		1		59 - 107	0 - 18
Phenol	mg/kg	3.33	1.88	56		6		34 - 116	0 - 25
Pyrene	mg/kg	3.33	2.02	61		1		39 - 135	0 - 26
Pyridine	mg/kg	3.33	1.87	56		17		11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	3.33	2.33	70		2		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	3.33	2.54	76		3		56 - 127	0 - 21
m,p-Cresol	mg/kg	3.33	1.96	59		7		50 - 110	0 - 23
o-Cresol	mg/kg	3.33	1.84	55		6		50 - 108	0 - 25

RPD : 1 out of 70 outside limits

Spike Recovery: 9 out of 140 outside limits

167072

3C

WATER SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Spike HSN : 20608042802

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/L	.1	0	.081	81		60 - 120
2,4,5-Trichlorophenol	mg/L	.1	0	.065	65		60 - 116
2,4,6-Trichlorophenol	mg/L	.1	0	.067	67		59 - 115
2,4-Dichlorophenol	mg/L	.1	0	.063	63		55 - 114
2,4-Dimethylphenol	mg/L	.1	0	.065	65		14 - 122
2,4-Dinitrophenol	mg/L	.1	0	.07	70		18 - 137
2,4-Dinitrotoluene	mg/L	.1	0	.088	88		37 - 138
2,6-Dinitrotoluene	mg/L	.1	0	.084	84		56 - 128
2-Chloronaphthalene	mg/L	.1	0	.073	73		48 - 110
2-Chlorophenol	mg/L	.1	0	.05	50		42 - 111
2-Methyl-4,6-dinitrophenol	mg/L	.1	0	.07	70		49 - 119
2-Methylnaphthalene	mg/L	.1	0	.061	61		40 - 110
2-Nitroaniline	mg/L	.1	0	.091	91		48 - 107
2-Nitrophenol	mg/L	.1	0	.065	65		59 - 110
3,3'-Dichlorobenzidine	mg/L	.1	0	.089	89		51 - 154
3-Nitroaniline	mg/L	.1	0	.076	76		34 - 118
4-Bromophenyl-phenylether	mg/L	.1	0	.077	77		61 - 112
4-Chloro-3-methylphenol	mg/L	.1	0	.066	66		44 - 118
4-Chloroaniline	mg/L	.1	.000823	.052	51		30 - 114
4-Chlorophenyl-phenylether	mg/L	.1	0	.08	80		52 - 115
4-Nitroaniline	mg/L	.101	0	.101	100		38 - 114
4-Nitrophenol	mg/L	.1	0	.036	36		3 - 83
Acenaphthene	mg/L	.1	0	.075	75		52 - 108
Acenaphthylene	mg/L	.1	0	.078	78		55 - 104
Acetophenone	mg/L	.1	0	.073	73		60 - 124
Aniline	mg/L	.1	0	.032	32		19 - 124
Anthracene	mg/L	.1	0	.08	80		58 - 113
Atrazine (Aatrex)	mg/L	.1	0	.102	102		39 - 148
Benzaldehyde	mg/L	.1	0	.096	96		40 - 118
Benzidine	mg/L	.1	0	.00331	3	*	10 - 119
Benzo(a)anthracene	mg/L	.1	0	.074	74		56 - 113
Benzo(a)pyrene	mg/L	.1	0	.081	81		56 - 118
Benzo(b)fluoranthene	mg/L	.1	0	.076	76		55 - 116
Benzo(g,h,i)perylene	mg/L	.1	0	.081	81		44 - 132
Benzo(k)fluoranthene	mg/L	.1	0	.077	77		49 - 121

RPD : 2 out of 70 outside limits

Spike Recovery: 2 out of 140 outside limits

000612

167073

3C
WATER SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Benzoic acid	mg/L	.1	.000275	.033	32		10	-	41
Benzyl alcohol	mg/L	.1	0	.052	52		32	-	113
Biphenyl	mg/L	.1	0	.073	73		39	-	122
Bis(2-Chloroethoxy)methane	mg/L	.1	0	.08	80		56	-	112
Bis(2-Chloroethyl)ether	mg/L	.1	0	.058	58		37	-	117
Butylbenzylphthalate	mg/L	.1	0	.084	84		62	-	122
Caprolactam	mg/L	.1	.000361	.026	26		4	-	41
Carbazole	mg/L	.1	0	.093	93		47	-	107
Chrysene	mg/L	.098	0	.076	78		58	-	117
Di-n-butylphthalate	mg/L	.1	.00107	.099	98		62	-	122
Di-n-octylphthalate	mg/L	.1	0	.104	104		56	-	133
Dibenz(a,h)anthracene	mg/L	.1	0	.08	80		50	-	138
Dibenzofuran	mg/L	.1	0	.075	75		54	-	112
Diethylphthalate	mg/L	.1	0	.091	91		56	-	120
Dimethyl-phthalate	mg/L	.1	0	.086	86		59	-	116
Fluoranthene	mg/L	.1	0	.093	93		55	-	118
Fluorene	mg/L	.1	0	.079	79		54	-	111
Hexachlorobenzene	mg/L	.1	0	.071	71		61	-	112
Hexachlorocyclopentadiene	mg/L	.1	0	.049	49		16	-	98
Hexachloroethane	mg/L	.1	0	.055	55		21	-	95
Indeno(1,2,3-cd)pyrene	mg/L	.1	0	.092	92		43	-	133
Isophorone	mg/L	.1	0	.074	74		53	-	117
N-Nitroso-di-n-propylamine	mg/L	.1	0	.074	74		47	-	118
N-Nitrosodimethylamine	mg/L	.1	0	.00915	9	*	12	-	82
N-Nitrosodiphenylamine	mg/L	.098	0	.076	78		58	-	121
Nitrobenzene	mg/L	.1	0	.076	76		53	-	113
Pentachlorophenol	mg/L	.1	0	.06	60		25	-	158
Phenanthrene	mg/L	.1	0	.077	77		58	-	111
Phenol	mg/L	.1	0	.027	27		16	-	65
Pyrene	mg/L	.1	0	.063	63		54	-	117
Pyridine	mg/L	.1	0	.02	20		2	-	75
bis(2-Chloroisopropyl)ether	mg/L	.1	0	.078	78		47	-	116
bis(2-ethylhexyl)phthalate	mg/L	.1	.013	.104	92		56	-	132
m,p-Cresol	mg/L	.1	0	.055	55		24	-	104
o-Cresol	mg/L	.1	0	.056	56		31	-	110

RPD : 2 out of 70 outside limits

Spike Recovery: 2 out of 140 outside limits

FORM III SV-1

167074

3C
WATER SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Spike Dupe HSN : 20608042803

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/L	.1	.087	87		7		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/L	.1	.069	69		6		60 - 116	0 - 50
2,4,6-Trichlorophenol	mg/L	.1	.071	71		6		59 - 115	0 - 50
2,4-Dichlorophenol	mg/L	.1	.068	68		8		55 - 114	0 - 50
2,4-Dimethylphenol	mg/L	.1	.07	70		7		14 - 122	0 - 50
2,4-Dinitrophenol	mg/L	.1	.069	69		1		18 - 137	0 - 50
2,4-Dinitrotoluene	mg/L	.1	.088	88		0		37 - 138	0 - 33
2,6-Dinitrotoluene	mg/L	.1	.082	82		2		56 - 128	0 - 50
2-Chloronaphthalene	mg/L	.1	.072	72		1		48 - 110	0 - 50
2-Chlorophenol	mg/L	.1	.053	53		6		42 - 111	0 - 24
2-Methyl-4,6-dinitrophenol	mg/L	.1	.073	73		4		49 - 119	0 - 50
2-Methylnaphthalene	mg/L	.1	.06	60		2		40 - 110	0 - 50
2-Nitroaniline	mg/L	.1	.092	92		1		48 - 107	0 - 50
2-Nitrophenol	mg/L	.1	.071	71		9		59 - 110	0 - 50
3,3'-Dichlorobenzidine	mg/L	.1	.096	96		8		51 - 154	0 - 50
3-Nitroaniline	mg/L	.1	.079	79		4		34 - 118	0 - 50
4-Bromophenyl-phenylether	mg/L	.1	.079	79		3		61 - 112	0 - 50
4-Chloro-3-methylphenol	mg/L	.1	.068	68		3		44 - 118	0 - 26
4-Chloroaniline	mg/L	.1	.064	63		21		30 - 114	0 - 50
4-Chlorophenyl-phenylether	mg/L	.1	.083	83		4		52 - 115	0 - 50
4-Nitroaniline	mg/L	.101	.101	100		0		38 - 114	0 - 50
4-Nitrophenol	mg/L	.1	.036	36		0		3 - 83	0 - 31
Acenaphthene	mg/L	.1	.074	74		1		52 - 108	0 - 32
Acenaphthylene	mg/L	.1	.078	78		0		55 - 104	0 - 50
Acetophenone	mg/L	.1	.077	77		5		60 - 124	0 - 50
Aniline	mg/L	.1	.043	43		29		19 - 124	0 - 50
Anthracene	mg/L	.1	.084	84		5		58 - 113	0 - 50
Atrazine (Aatrex)	mg/L	.1	.104	104		2		39 - 148	0 - 50
Benzaldehyde	mg/L	.1	.104	104		8		40 - 118	0 - 50
Benzidine	mg/L	.1	.036	36		166	*	10 - 119	0 - 50
Benzo(a)anthracene	mg/L	.1	.084	84		13		56 - 113	0 - 50
Benzo(a)pyrene	mg/L	.1	.087	87		7		56 - 118	0 - 50
Benzo(b)fluoranthene	mg/L	.1	.09	90		17		55 - 116	0 - 50
Benzo(g,h,i)perylene	mg/L	.1	.089	89		9		44 - 132	0 - 50
Benzo(k)fluoranthene	mg/L	.1	.076	76		1		49 - 121	0 - 50

RPD : 2 out of 70 outside limits

Spike Recovery: 2 out of 140 outside limits

000614

167075

3C
WATER SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8270

Prep Batch: 329585 Analytical Batch.: 329694

Benzoic acid	mg/L	.1	.038	38		14		10 - 41	0 - 50
Benzyl alcohol	mg/L	.1	.058	58		11		32 - 113	0 - 50
Biphenyl	mg/L	.1	.071	71		3		39 - 122	0 - 50
Bis(2-Chloroethoxy)methane	mg/L	.1	.084	84		5		56 - 112	0 - 50
Bis(2-Chloroethyl)ether	mg/L	.1	.061	61		5		37 - 117	0 - 50
Butylbenzylphthalate	mg/L	.1	.091	91		8		62 - 122	0 - 50
Caprolactam	mg/L	.1	.029	28		11		4 - 41	0 - 50
Carbazole	mg/L	.1	.098	98		5		47 - 107	0 - 50
Chrysene	mg/L	.098	.08	82		5		58 - 117	0 - 50
Di-n-butylphthalate	mg/L	.1	.1	99		1		62 - 122	0 - 50
Di-n-octylphthalate	mg/L	.1	.114	114		9		56 - 133	0 - 50
Dibenz(a,h)anthracene	mg/L	.1	.087	87		8		50 - 138	0 - 50
Dibenzofuran	mg/L	.1	.075	75		0		54 - 112	0 - 50
Diethylphthalate	mg/L	.1	.091	91		0		56 - 120	0 - 50
Dimethyl-phthalate	mg/L	.1	.088	88		2		59 - 116	0 - 50
Fluoranthene	mg/L	.1	.095	95		2		55 - 118	0 - 50
Fluorene	mg/L	.1	.081	81		3		54 - 111	0 - 50
Hexachlorobenzene	mg/L	.1	.073	73		3		61 - 112	0 - 50
Hexachlorocyclopentadiene	mg/L	.1	.045	45		9		16 - 98	0 - 50
Hexachloroethane	mg/L	.1	.056	56		2		21 - 95	0 - 50
Indeno(1,2,3-cd)pyrene	mg/L	.1	.101	101		9		43 - 133	0 - 50
Isophorone	mg/L	.1	.078	78		5		53 - 117	0 - 50
N-Nitroso-di-n-propylamine	mg/L	.1	.08	80		8		47 - 118	0 - 32
N-Nitrosodimethylamine	mg/L	.1	.018	18		65	*	12 - 82	0 - 50
N-Nitrosodiphenylamine	mg/L	.098	.08	82		5		58 - 121	0 - 50
Nitrobenzene	mg/L	.1	.079	79		4		53 - 113	0 - 50
Pentachlorophenol	mg/L	.1	.066	66		10		25 - 158	0 - 32
Phenanthrene	mg/L	.1	.081	81		5		58 - 111	0 - 50
Phenol	mg/L	.1	.031	31		14		16 - 65	0 - 25
Pyrene	mg/L	.1	.07	70		11		54 - 117	0 - 30
Pyridine	mg/L	.1	.025	25		22		2 - 75	0 - 50
bis(2-Chloroisopropyl)ether	mg/L	.1	.079	79		1		47 - 116	0 - 50
bis(2-ethylhexyl)phthalate	mg/L	.1	.096	83		8		56 - 132	0 - 50
m,p-Cresol	mg/L	.1	.059	59		7		24 - 104	0 - 50
o-Cresol	mg/L	.1	.061	61		9		31 - 110	0 - 50

RPD : 2 out of 70 outside limits

Spike Recovery: 2 out of 140 outside limits

000615

167076

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329692

Spike HSN : 20608043102 COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
1,2 Diphenylhydrazine	mg/kg	5.65	0	5.05	89		60 - 120
2,4,5-Trichlorophenol	mg/kg	5.65	0	3.77	67		58 - 111
2,4,6-Trichlorophenol	mg/kg	5.65	0	4.05	72		60 - 110
2,4-Dichlorophenol	mg/kg	5.65	0	3.88	69		53 - 111
2,4-Dimethylphenol	mg/kg	5.65	0	3.89	69		51 - 108
2,4-Dinitrophenol	mg/kg	5.65	0	2.65	47		27 - 121
2,4-Dinitrotoluene	mg/kg	5.65	0	4.38	77		44 - 121
2,6-Dinitrotoluene	mg/kg	5.65	0	4.36	77		55 - 117
2-Chloronaphthalene	mg/kg	5.65	0	4.48	79		57 - 112
2-Chlorophenol	mg/kg	5.65	0	3.31	59		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	5.65	0	3.64	64		49 - 115
2-Methylnaphthalene	mg/kg	5.65	0	3.88	69		53 - 110
2-Nitroaniline	mg/kg	5.65	0	4.38	77		38 - 107
2-Nitrophenol	mg/kg	5.65	0	3.95	70		58 - 110
3,3'-Dichlorobenzidine	mg/kg	5.65	0	4.15	74		24 - 127
3-Nitroaniline	mg/kg	5.65	0	1.41	25		9 - 106
4-Bromophenyl-phenylether	mg/kg	5.65	0	4.93	87		59 - 118
4-Chloro-3-methylphenol	mg/kg	5.65	0	3.64	64		48 - 112
4-Chloroaniline	mg/kg	5.65	0	1.16	21		3 - 101
4-Chlorophenyl-phenylether	mg/kg	5.65	0	4.45	79		54 - 112
4-Nitroaniline	mg/kg	5.7	0	2.33	41		24 - 99
4-Nitrophenol	mg/kg	5.65	0	3.89	69		38 - 125
Acenaphthene	mg/kg	5.65	0	4.27	76		41 - 120
Acenaphthylene	mg/kg	5.65	0	4.51	80		57 - 105
Acetophenone	mg/kg	5.65	0	4	71		55 - 117
Aniline	mg/kg	5.65	0	1.25	22		4 - 126
Anthracene	mg/kg	5.65	0	4.51	80		60 - 108
Atrazine (Aatrex)	mg/kg	5.65	0	5.43	96		37 - 148
Benzaldehyde	mg/kg	5.65	0	1.4	25		25 - 127
Benzidine	mg/kg	5.65	0	0	0	*	8 - 78
Benzo(a)anthracene	mg/kg	5.65	0	4.53	80		60 - 107
Benzo(a)pyrene	mg/kg	5.65	0	4.74	84		62 - 110
Benzo(b)fluoranthene	mg/kg	5.65	.083	5.19	90		56 - 110
Benzo(g,h,i)perylene	mg/kg	5.65	0	5.41	96		46 - 128
Benzo(k)fluoranthene	mg/kg	5.65	0	3.81	67		55 - 113
Benzoic acid	mg/kg	5.65	.038	1.27	22		10 - 130

RPD : 12 out of 70 outside limits

Spike Recovery: 8 out of 140 outside limits

FORM III SV-2

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329692

Benzyl alcohol	mg/kg	5.65	0	3.81	67		48	- 116
Biphenyl	mg/kg	5.65	.293	4.43	73		43	- 118
Bis(2-Chloroethoxy)methane	mg/kg	5.65	0	4.46	79		53	- 109
Bis(2-Chloroethyl)ether	mg/kg	5.65	0	3.5	62		39	- 114
Butylbenzylphthalate	mg/kg	5.65	0	4.41	78		63	- 121
Caprolactam	mg/kg	5.65	.021	4.93	87		42	- 130
Carbazole	mg/kg	5.65	0	3.86	68		50	- 96
Chrysene	mg/kg	5.53	0	4.58	83		61	- 111
Di-n-butylphthalate	mg/kg	5.65	.021	5.12	90		60	- 115
Di-n-octylphthalate	mg/kg	5.65	0	5.39	95		55	- 121
Dibenz(a,h)anthracene	mg/kg	5.65	0	5.53	98		50	- 135
Dibenzofuran	mg/kg	5.65	0	4.14	73		55	- 110
Diethylphthalate	mg/kg	5.65	0	4.65	82		52	- 114
Dimethyl-phthalate	mg/kg	5.65	0	4.79	85		56	- 111
Fluoranthene	mg/kg	5.65	0	4.46	79		54	- 108
Fluorene	mg/kg	5.65	0	4.29	76		54	- 106
Hexachlorobenzene	mg/kg	5.65	0	4.67	83		50	- 121
Hexachlorocyclopentadiene	mg/kg	5.65	0	.748	13	*	48	- 116
Hexachloroethane	mg/kg	5.65	0	3.57	63		43	- 111
Indeno(1,2,3-cd)pyrene	mg/kg	5.65	0	7.05	125		43	- 132
Isophorone	mg/kg	5.65	0	4.26	75		55	- 112
N-Nitroso-di-n-propylamine	mg/kg	5.65	0	4.55	81		45	- 122
N-Nitrosodimethylamine	mg/kg	5.65	0	.75	13	*	31	- 130
N-Nitrosodiphenylamine	mg/kg	5.53	0	4.76	86		58	- 123
Nitrobenzene	mg/kg	5.65	0	4.08	72		53	- 112
Pentachlorophenol	mg/kg	5.65	0	3.22	57		23	- 142
Phenanthrene	mg/kg	5.65	0	4.46	79		59	- 107
Phenol	mg/kg	5.65	0	3.38	60		34	- 116
Pyrene	mg/kg	5.65	0	3.76	66		39	- 135
Pyridine	mg/kg	5.65	0	3.48	62		11	- 92
bis(2-Chloroisopropyl)ether	mg/kg	5.65	0	4.24	75		45	- 113
bis(2-ethylhexyl)phthalate	mg/kg	5.65	.078	4.45	77		56	- 127
m,p-Cresol	mg/kg	5.65	0	3.88	69		50	- 110
o-Cresol	mg/kg	5.65	0	3.58	63		50	- 108

RPD : 12 out of 70 outside limits

Spike Recovery: 8 out of 140 outside limits

000617

167078

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329692

Spike Dupe HSN : 20608043103

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	5.65	4.55	81		10		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	5.65	3.45	61		9		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	5.65	3.52	62		14		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	5.65	3.46	61		11		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	5.65	3.43	61		13		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	5.65	1.04	18	*	88	*	27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	5.65	4.03	71		8		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	5.65	4.03	71		8		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	5.65	4.19	74		7		57 - 112	0 - 19
2-Chlorophenol	mg/kg	5.65	3.26	58		2		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	5.65	1.46	26	*	85	*	49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	5.65	3.58	63		8		53 - 110	0 - 18
2-Nitroaniline	mg/kg	5.65	4.03	71		8		38 - 107	0 - 19
2-Nitrophenol	mg/kg	5.65	3.57	63		10		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	5.65	5.89	104		35		24 - 127	0 - 35
3-Nitroaniline	mg/kg	5.65	2.72	48		63	*	9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	5.65	4.76	84		4		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	5.65	3.22	57		12		48 - 112	0 - 24
4-Chloroaniline	mg/kg	5.65	2.31	41		66	*	3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	5.65	4.32	77		3		54 - 112	0 - 19
4-Nitroaniline	mg/kg	5.7	3.02	53		26	*	24 - 99	0 - 25
4-Nitrophenol	mg/kg	5.65	3.7	66		5		38 - 125	0 - 29
Acenaphthene	mg/kg	5.65	3.88	69		10		41 - 120	0 - 19
Acenaphthylene	mg/kg	5.65	4.17	74		8		57 - 105	0 - 18
Acetophenone	mg/kg	5.65	3.6	64		10		55 - 117	0 - 50
Aniline	mg/kg	5.65	2.17	38		54	*	4 - 126	0 - 29
Anthracene	mg/kg	5.65	4.22	75		7		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	5.65	4.84	86		11		37 - 148	0 - 50
Benzaldehyde	mg/kg	5.65	1.26	22	*	10		25 - 127	0 - 50
Benzidine	mg/kg	5.65	.529	9		200	*	8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	5.65	4.22	75		7		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	5.65	4.29	76		10		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	5.65	4.41	77		16		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	5.65	3.48	62		43	*	46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	5.65	3.95	70		4		55 - 113	0 - 31
Benzoic acid	mg/kg	5.65	1.1	19		15		10 - 130	0 - 40

RPD : 12 out of 70 outside limits

Spike Recovery: 8 out of 140 outside limits

FORM III SV-2

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Analytical Method: SW-846 8270

Prep Batch: 329588 Analytical Batch.: 329692

Benzyl alcohol	mg/kg	5.65	3.31	59		14		48 - 116	0 - 37
Biphenyl	mg/kg	5.65	3.88	63		13		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	5.65	4.15	74		7		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	5.65	2.89	51		19		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	5.65	3.77	67		16		63 - 121	0 - 21
Caprolactam	mg/kg	5.65	4.32	76		13		42 - 130	0 - 50
Carbazole	mg/kg	5.65	4.36	77		12		50 - 96	0 - 17
Chrysene	mg/kg	5.53	4.12	74		11		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	5.65	4.91	87		4		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	5.65	5.15	91		5		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	5.65	3.93	70		34	*	50 - 135	0 - 23
Dibenzofuran	mg/kg	5.65	3.89	69		6		55 - 110	0 - 17
Diethylphthalate	mg/kg	5.65	4.39	78		6		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	5.65	4.43	78		8		56 - 111	0 - 17
Fluoranthene	mg/kg	5.65	4.34	77		3		54 - 108	0 - 20
Fluorene	mg/kg	5.65	3.91	69		9		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	5.65	4.53	80		3		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	5.65	1.34	24	*	57	*	48 - 116	0 - 27
Hexachloroethane	mg/kg	5.65	3.38	60		5		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	5.65	5.32	94		28		43 - 132	0 - 33
Isophorone	mg/kg	5.65	4.1	73		4		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	5.65	3.65	65		22		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	5.65	1.56	28	*	70	*	31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	5.53	4.51	82		5		58 - 123	0 - 19
Nitrobenzene	mg/kg	5.65	3.77	67		8		53 - 112	0 - 23
Pentachlorophenol	mg/kg	5.65	3.7	66		14		23 - 142	0 - 26
Phenanthrene	mg/kg	5.65	4.14	73		8		59 - 107	0 - 18
Phenol	mg/kg	5.65	3.05	54		10		34 - 116	0 - 25
Pyrene	mg/kg	5.65	3.05	54		21		39 - 135	0 - 26
Pyridine	mg/kg	5.65	4.69	83		30	*	11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	5.65	3.96	70		7		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	5.65	3.93	68		12		56 - 127	0 - 21
m,p-Cresol	mg/kg	5.65	3.17	56		20		50 - 110	0 - 23
o-Cresol	mg/kg	5.65	3	53		18		50 - 108	0 - 25

RPD : 12 out of 70 outside limits

Spike Recovery: 8 out of 140 outside limits

000619

167080

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB397866

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

Lab File ID: 2060805/D1050 | SAS No.: | SDG No.: 206080431

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 397866 | Date Extracted: 08/04/06

Instrument ID: MSSV5 | Matrix: Soil | Date Analyzed: 08/05/06 | Time: 2027

Level: LOW | Method: SW-846 8270

Prep Batch: 329588 | Analytical Batch: 329649

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS397867	397867	2060805/D1051	08/05/06	2041
2.	LCSD397868	397868	2060805/D1052	08/05/06	2056
3.	FWPSE01-001-(0-0.5)	20608043101	2060805/D1053	08/05/06	2110
4.	FWPSE01-001-(0-0.5) MSD	20608043103	2060805/D1055	08/05/06	2139
5.	SE-501-(0-0.5)	20608043104	2060805/D1056	08/05/06	2153
6.	FWPSE04-004-(0-0.5)	20608043105	2060805/D1057	08/05/06	2208
7.	FWPSE03-003-(0-0.5)	20608043107	2060805/D1059	08/05/06	2236
8.	FWPSE05-005-(0-0.5)	20608043108	2060805/D1060	08/05/06	2251
9.	FWPSE01-001-(0-0.5) MS	20608043102	2060806/D1072	08/06/06	1607
10.	FWPSE02-002-(0-0.5)	20608043106	2060806/D1073	08/06/06	1621

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB397846

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

Lab File ID: 2060807/D1119 | SAS No.: | SDG No.: 206080431

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 397846 | Date Extracted: 08/05/06

Instrument ID: MSSV5 | Matrix: Water | Date Analyzed: 08/07/06 | Time: 1042

Level: LOW | Method: SW-846 8270

Prep Batch: 329585 | Analytical Batch: 329694

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS397847	397847	2060807/D1120	08/07/06	1057
2.	LCSD397848	397848	2060807/D1121	08/07/06	1111
3.	FWPSE-006-EB	20608043109	2060807/D1139	08/07/06	1532

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060803/D0921 DFTPP Injection Date 08/03/06 Time: 0930

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 329495

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	43.34 ( ) ( )
68	Less thab 2% of mass 69	.53 (1.18) (1)
69	Mass 69 relative abundance	45.24 ( ) ( )
70	Less than 2.0% of mass 69	.18 (.4) (1)
127	40.0-60.0% of mass 198	45.57 ( ) ( )
197	Less than 1.0% of mass 198	.31 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.36 ( ) ( )
275	10.0-30.0% of mass 198	22.17 ( ) ( )
365	Greater than 1.0% of mass 198	2.76 ( ) ( )
441	Present, but less than mass 443	12.82 ( ) ( )
442	40.0-100.0% of mass 198	89.62 ( ) ( )
443	17.0-23.0% of mass 442	17.65 (19.7) (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	2060803/D0922	08/03/06	0942
2.	STD010	1204	2060803/D0923	08/03/06	0956
3.	STD080	1206	2060803/D0924	08/03/06	1010
4.	STD120	1207	2060803/D0925	08/03/06	1024
5.	STD160	1208	2060803/D0926	08/03/06	1038
6.	STD200	1209	2060803/D0927	08/03/06	1052
7.	STD002	1203	2060803/D0928	08/03/06	1107
8.	STD001	1202	2060803/D0929	08/03/06	1121
9.	STD0.2	1201	2060803/D0930	08/03/06	1136

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060805/D1011 DFTPP Injection Date: 08/05/06 Time: 1100

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 329649

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	43.45 ( ) ( )
68	Less thab 2% of mass 69	.61 (1.38) (1)
69	Mass 69 relative abundance	44.53 ( ) ( )
70	Less than 2.0% of mass 69	.11 (.25) (1)
127	40.0-60.0% of mass 198	45.66 ( ) ( )
197	Less than 1.0% of mass 198	.35 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.68 ( ) ( )
275	10.0-30.0% of mass 198	22.86 ( ) ( )
365	Greater than 1.0% of mass 198	2.31 ( ) ( )
441	Present, but less than mass 443	11.8 ( ) ( )
442	40.0-100.0% of mass 198	80.85 ( ) ( )
443	17.0-23.0% of mass 442	16.06 (19.87) (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	2060805/D1012	08/05/06	1115
2.	APP950	1400	2060805/D1013	08/05/06	1134
3.	APQ40	1400	2060805/D1014	08/05/06	1148
4.	MB397866	397866	2060805/D1050	08/05/06	2027
5.	LCS397867	397867	2060805/D1051	08/05/06	2041
6.	LCSD397868	397868	2060805/D1052	08/05/06	2056
7.	FWPSE01-001-(0-0.5)	20608043101	2060805/D1053	08/05/06	2110
8.	FWPSE01-001-(0-0.5) MSD	20608043103	2060805/D1055	08/05/06	2139
9.	SE-501-(0-0.5)	20608043104	2060805/D1056	08/05/06	2153
10.	FWPSE04-004-(0-0.5)	20608043105	2060805/D1057	08/05/06	2208
11.	FWPSE03-003-(0-0.5)	20608043107	2060805/D1059	08/05/06	2236

FORM V SV

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060805/D1011 DFTPP Injection Date: 08/05/06 Time: 1100

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 329649

Instrument ID: MSSV5

12.	FWPSE05-005-(0-0.5)	20608043108	2060805/D1060	08/05/06	2251

000624

167085

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060806/D1061 DFTPP Injection Date: 08/06/06 Time: 1323

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 329692

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	42.66 ( ) ( )
68	Less thab 2% of mass 69	.58 (1.33) (1)
69	Mass 69 relative abundance	43.98 ( ) ( )
70	Less than 2.0% of mass 69	.17 (.39) (1)
127	40.0-60.0% of mass 198	43.82 ( ) ( )
197	Less than 1.0% of mass 198	.15 ( ) ( )
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	23.04 ( ) ( )
365	Greater than 1.0% of mass 198	2.77 ( ) ( )
441	Present, but less than mass 443	13.38 ( ) ( )
442	40.0-100.0% of mass 198	96.22 ( ) ( )
443	17.0-23.0% of mass 442	19.07 (19.82) (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	2060806/D1062	08/06/06	1338
2.	APP950	1400	2060806/D1063	08/06/06	1356
3.	APQ40	1400	2060806/D1064	08/06/06	1410
4.	FWPSE01-001-(0-0.5) MS	20608043102	2060806/D1072	08/06/06	1607
5.	FWPSE02-002-(0-0.5)	20608043106	2060806/D1073	08/06/06	1621

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID: 2060807/D1114 DFTPP Injection Date: 08/07/06 Time: 0919

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 329694

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	46.31 ( ) ( )
68	Less thab 2% of mass 69	.67 (1.44) (1)
69	Mass 69 relative abundance	47.03 ( ) ( )
70	Less than 2.0% of mass 69	.26 (.57) (1)
127	40.0-60.0% of mass 198	45.05 ( ) ( )
197	Less than 1.0% of mass 198	.22 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.67 ( ) ( )
275	10.0-30.0% of mass 198	21.87 ( ) ( )
365	Greater than 1.0% of mass 198	2.8 ( ) ( )
441	Present, but less than mass 443	11.35 ( ) ( )
442	40.0-100.0% of mass 198	78.76 ( ) ( )
443	17.0-23.0% of mass 442	14.96 (19) (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	2060807/D1118	08/07/06	1016
2.	MB397846	397846	2060807/D1119	08/07/06	1042
3.	LCS397847	397847	2060807/D1120	08/07/06	1057
4.	LCSD397848	397848	2060807/D1121	08/07/06	1111
5.	FWPSE-006-EB	20608043109	2060807/D1139	08/07/06	1532

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab File ID (Standard): 2060805/D1012 Date Analyzed: 08/05/06 Time: 1115

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 329649 Method: SW-846 8270

	IS 1			IS 2			IS 3		
	Area		RT	Area		RT	Area		RT
STANDARD	1318966		2	710342		3.08	1046279		3.96
EPA Sample No.		#			#			#	
1. MB397866	1122541		2	562006		3.07	798822		3.96
2. LCS397867	1078489		2	581700		3.08	842334		3.96
3. LCSD397868	1103598		2.01	557628		3.08	802350		3.96
4. FWPSE01-001-(0-0.5)	1202211		2	612381		3.07	833343		3.96
5. FWPSE01-001-(0-0.5) MSD	1173427		2	560352		3.08	707004		3.96
6. SE-501-(0-0.5)	1144316		2	582574		3.07	808482		3.96
7. FWPSE04-004-(0-0.5)	1275174		2	634749		3.08	835592		3.96
8. FWPSE03-003-(0-0.5)	1242892		2	640329		3.07	847710		3.96
9. FWPSE05-005-(0-0.5)	1333620		2	671349		3.08	889910		3.96

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): 2060805/D1012 Date Analyzed: 08/05/06 Time: 1115

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	621115		6.6	744321		5.59	332995		1.12
		#		#	#		#	#		#
1.	MB397866	866644		6.6	772157		5.58	314730		1.12
2.	LCS397867	876682		6.6	745534		5.59	280549		1.13
3.	LCSD397868	802178		6.6	699552		5.59	303335		1.13
4.	FWPSE01-001-(0-0.5)	933076		6.6	783993		5.58	323137		1.12
5.	FWPSE01-001-(0-0.5) MSD	895454		6.6	722127		5.59	331809		1.13
6.	SE-501-(0-0.5)	926157		6.6	777319		5.58	316739		1.12
7.	FWPSE04-004-(0-0.5)	897627		6.6	774708		5.58	347884		1.12
8.	FWPSE03-003-(0-0.5)	894203		6.6	782942		5.58	337788		1.12
9.	FWPSE05-005-(0-0.5)	952750		6.6	796926		5.58	363006		1.13

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.: 206080431

Lab File ID (Standard): 2060806/D1062 Date Analyzed: 08/06/06 Time: 1338

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 329692 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	1256157	1.97	631502	3.05	857202	3.93

	EPA Sample No.	#		#		#		#		#		#
1.	FWPSE01-001-(0-0.5) MS	973016		1.97		468299		3.05		590535		3.93	
2.	FWPSE02-002-(0-0.5)	885288		1.97		430549		3.04		563295		3.93	

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): 2060806/D1062 | Date Analyzed: 08/06/06 | Time: 1338

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	492477		6.56	539667		5.56	322378		1.09
			#			#			#	
1.	FWPSE01-001-(0-0.5) MS	595787		6.56	506036		5.56	259221		1.09
2.	FWPSE02-002-(0-0.5)	470869		6.56	414848		5.55	235210		1.09

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.: 206080431

Lab File ID (Standard): 2060807/D1118 Date Analyzed: 08/07/06 Time: 1016

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 329694 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	795291	1.97	400507	3.04	582377	3.93

	EPA Sample No.	#	#	#	#	#	#
1.	MB397846	852205	1.96	452873	3.04	645314	3.93
2.	LCS397847	978484	1.97	482510	3.04	676384	3.93
3.	LCSD397848	687487	1.97	355875	3.04	562663	3.93
4.	FWPSE-006-EB	736209	1.96	367740	3.04	527412	3.93

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): 2060807/D1118 Date Analyzed: 08/07/06 Time: 1016

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	481696		6.55	523741		5.55	210315		1.08
			#			#			#	
1.	MB397846	402982		6.55	432244		5.55	219167		1.08
2.	LCS397847	479897		6.56	512732		5.55	239630		1.08
3.	LCSD397848	542979		6.55	569530		5.55	186340		1.08
4.	FWPSE-006-EB	405146		6.55	437155		5.55	193367		1.08

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.: 206080431
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5)
Contract:
Lab File ID: 2060805/D1053
Lab Sample ID: 20608043101
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2110
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.561	U	0.012	0.561
95-95-4	2,4,5-Trichlorophenol	0.561	U	0.011	0.561
88-06-2	2,4,6-Trichlorophenol	0.561	U	0.025	0.561
120-83-2	2,4-Dichlorophenol	0.561	U	0.015	0.561
51-28-5	2,4-Dinitrophenol	2.84	U	0.096	2.84
121-14-2	2,4-Dinitrotoluene	0.561	U	0.025	0.561
606-20-2	2,6-Dinitrotoluene	0.561	U	0.014	0.561
91-58-7	2-Chloronaphthalene	0.561	U	0.015	0.561
95-57-8	2-Chlorophenol	0.561	U	0.00897	0.561
91-57-6	2-Methylnaphthalene	0.112	U	0.016	0.112
88-74-4	2-Nitroaniline	2.84	U	0.037	2.84
88-75-5	2-Nitrophenol	0.561	U	0.022	0.561
91-94-1	3,3'-Dichlorobenzidine	1.12	U	0.070	1.12
99-09-2	3-Nitroaniline	2.84	U	0.015	2.84
534-52-1	2-Methyl-4,6-dinitrophenol	2.84	U	0.029	2.84
59-50-7	4-Chloro-3-methylphenol	0.561	U	0.023	0.561
106-47-8	4-Chloroaniline	0.561	U	0.049	0.561
7005-72-3	4-Chlorophenyl-phenylether	0.561	U	0.015	0.561
83-32-9	Acenaphthene	0.112	U	0.015	0.112
208-96-8	Acenaphthylene	0.112	U	0.017	0.112
98-86-2	Acetophenone	0.561	U	0.012	0.561
62-53-3	Aniline	0.561	U	0.011	0.561
120-12-7	Anthracene	0.112	U	0.016	0.112
1912-24-9	Atrazine (Aatrex)	1.12	U	0.029	1.12
100-52-7	Benzaldehyde	1.12	U	0.043	1.12
92-87-5	Benzidine	2.24	U	0.076	2.24
56-55-3	Benzo(a)anthracene	0.112	U	0.015	0.112
50-32-8	Benzo(a)pyrene	0.112	U	0.015	0.112
205-99-2	Benzo(b)fluoranthene	0.083	J	0.010	0.561

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5)
Contract:
Lab File ID: 2060805/D1053
Lab Sample ID: 20608043101
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2110
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.561	U	0.015	0.561
207-08-9	Benzo(k)fluoranthene	0.561	U	0.023	0.561
65-85-0	Benzoic acid	2.84	U	0.262	2.84
100-51-6	Benzyl alcohol	0.561	U	0.017	0.561
92-52-4	Biphenyl	0.293	JB	0.016	0.561
111-91-1	Bis(2-Chloroethoxy)methane	0.561	U	0.019	0.561
111-44-4	Bis(2-Chloroethyl)ether	0.561	U	0.017	0.561
108-60-1	bis(2-Chloroisopropyl)ether	0.561	U	0.022	0.561
117-81-7	bis(2-ethylhexyl)phthalate	0.077	JB	0.015	0.112
101-55-3	4-Bromophenyl-phenylether	0.561	U	0.014	0.561
85-68-7	Butylbenzylphthalate	0.561	U	0.018	0.561
105-60-2	Caprolactam	0.561	U	0.116	0.561
86-74-8	Carbazole	0.561	U	0.015	0.561
218-01-9	Chrysene	0.561	U	0.013	0.561
84-74-2	Di-n-butylphthalate	0.561	U	0.042	0.561
117-84-0	Di-n-octylphthalate	0.561	U	0.012	0.561
53-70-3	Dibenz(a,h)anthracene	0.112	U	0.014	0.112
132-64-9	Dibenzofuran	0.561	U	0.021	0.561
84-66-2	Diethylphthalate	0.561	U	0.025	0.561
131-11-3	Dimethyl-phthalate	0.561	U	0.019	0.561
105-67-9	2,4-Dimethylphenol	0.561	U	0.038	0.561
206-44-0	Fluoranthene	0.561	U	0.017	0.561
86-73-7	Fluorene	0.112	U	0.014	0.112
118-74-1	Hexachlorobenzene	0.561	U	0.018	0.561
77-47-4	Hexachlorocyclopentadiene	0.561	U	0.012	0.561
67-72-1	Hexachloroethane	0.561	U	0.024	0.561
193-39-5	Indeno(1,2,3-cd)pyrene	0.561	U	0.024	0.561
78-59-1	Isophorone	0.561	U	0.014	0.561
100-01-6	4-Nitroaniline	2.84	U	0.041	2.84

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5)
Contract:
Lab File ID: 2060805/D1053
Lab Sample ID: 20608043101
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2110
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.561	U	0.021	0.561
100-02-7	4-Nitrophenol	2.84	U	0.074	2.84
87-86-5	Pentachlorophenol	2.84	U	0.146	2.84
85-01-8	Phenanthrene	0.112	U	0.018	0.112
108-95-2	Phenol	0.561	U	0.018	0.561
129-00-0	Pyrene	0.561	U	0.018	0.561
110-86-1	Pyridine	0.561	U	0.034	0.561
1319-77-3M	m,p-Cresol	0.561	U	0.021	0.561
621-64-7	N-Nitroso-di-n-propylamine	0.112	U	0.015	0.112
62-75-9	N-Nitrosodimethylamine	0.561	U	0.073	0.561
86-30-6	N-Nitrosodiphenylamine	0.561	U	0.017	0.561
95-48-7	o-Cresol	0.561	U	0.023	0.561

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1053.d
Lab Smp Id: 20608043101 Client Smp ID: 20608043101
Inj Date : 05-AUG-2006 21:10
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043101*4482*
Misc Info : 20608043101*MSSV~3868~*080431*30.4-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(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)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	0.540	0.540	(0.481)	203140	68.5065	2250
$	4 Phenol-d5	99	0.920	0.920	(0.819)	861936	62.2960	2050
*	10 1,4-Dichlorobenzene-d4	152	1.123	1.123	(1.000)	323137	40.0000	
$	19 Nitrobenzene-d5	82	1.540	1.546	(0.770)	541667	33.6115	1110
	25 Benzoic Acid	122	1.920	1.979	(0.960)	3471	0.65591	21.6
*	28 Naphthalene-d8	136	2.000	2.000	(1.000)	1202211	40.0000	
$	37 2-Fluorobiphenyl	172	2.690	2.690	(0.876)	781044	35.8552	1180
*	44 Acenaphthene-d10	164	3.070	3.076	(1.000)	612381	40.0000	
$	57 2,4,6-Tribromophenol	332	3.552	3.557	(1.157)	189255	69.2035	2280
*	61 Phenanthrene-d10	188	3.958	3.958	(1.000)	833343	40.0000	
	65 Di-n-butylphthalate	149	4.370	4.375	(1.104)	7957	0.35675	11.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 70 Terphenyl-d14	244	4.942	4.942	(0.885)	708679	34.0046	1120
* 74 Chrysene-d12	240	5.584	5.589	(1.000)	783993	40.0000	
76 bis(2-Ethylhexyl)phthalate	149	5.696	5.696	(1.020)	14995	1.36056	44.8
78 Benzo(b)fluoranthene	252	6.333	6.338	(0.960)	3333	1.46889	48.3(M)
* 81 Perylene-d12	264	6.595	6.595	(1.000)	933076	40.0000	
156 Caprolactam	113	2.295	2.332	(1.147)	1152	0.34886	11.5
157 Biphenyl	154	2.744	2.744	(1.372)	3609	5.15514	170(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

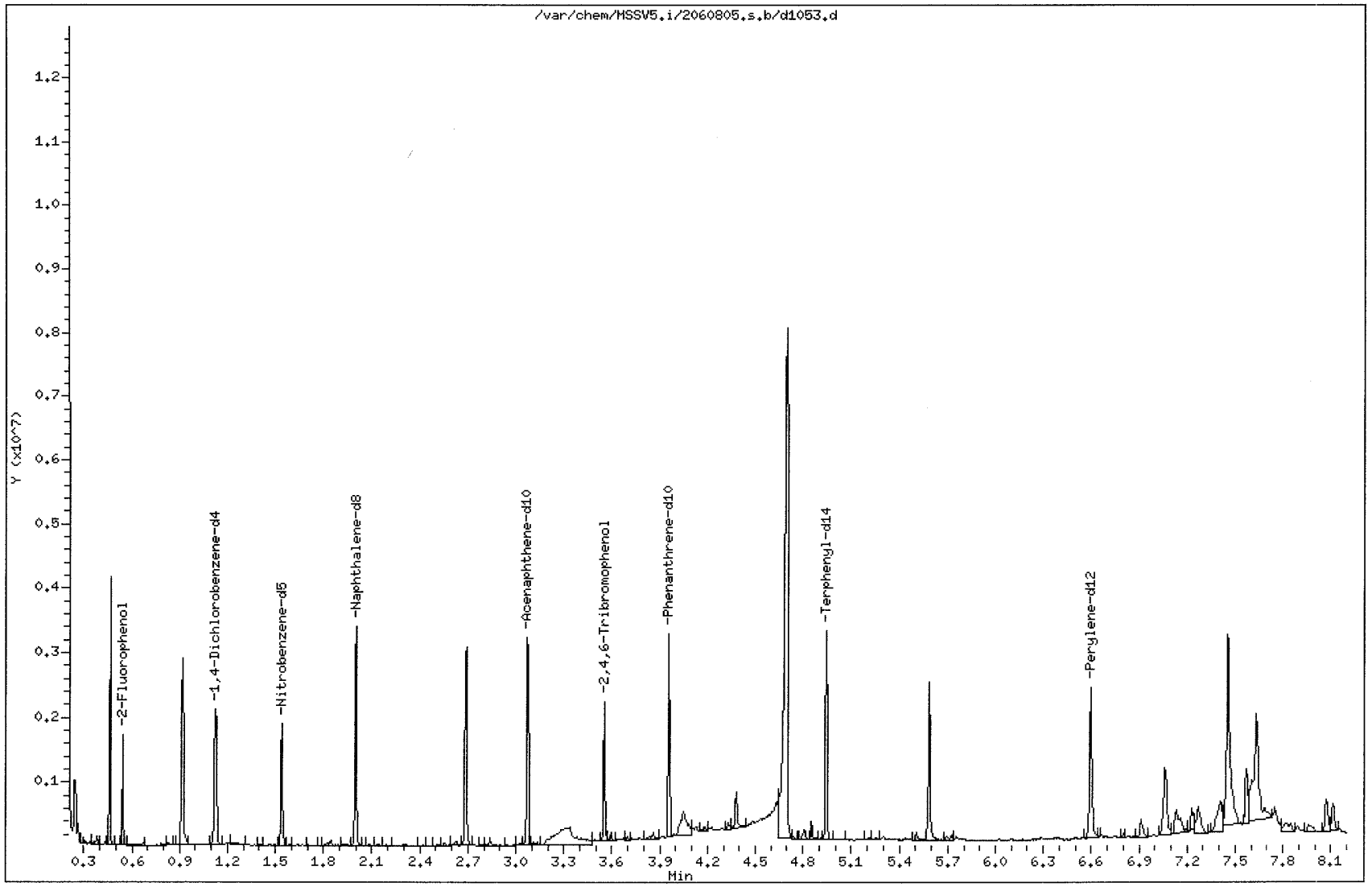
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: rrr

Column diameter: 0.25

000638



Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Instrument: MSSV5.i

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

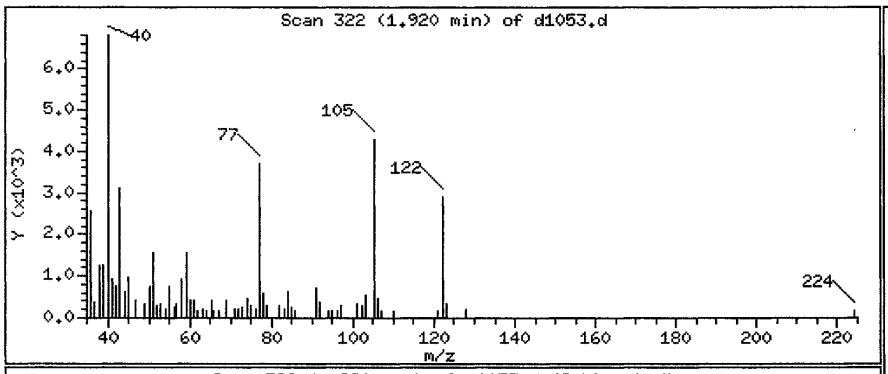
Operator: rrr

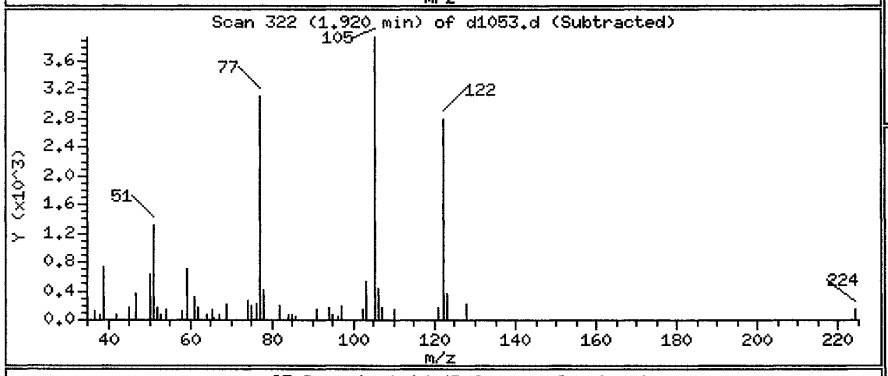
Column phase: RTX-5MS-30M

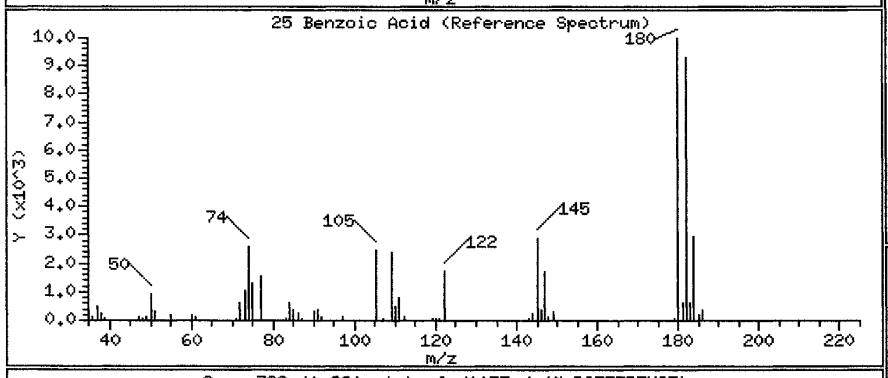
Column diameter: 0.25

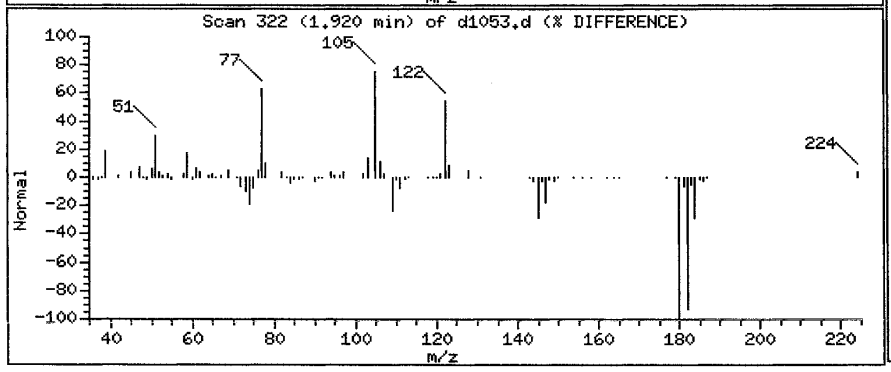
25 Benzoic Acid

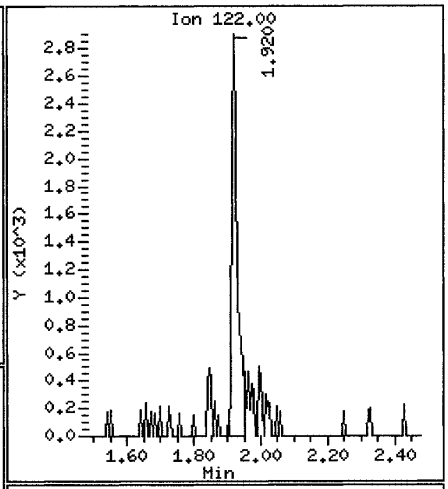
Concentration: 21.6 ug/Kg

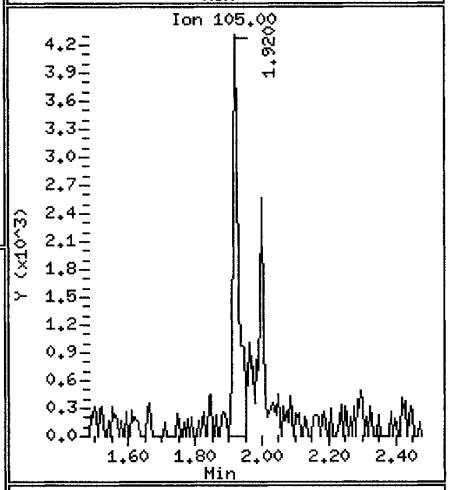


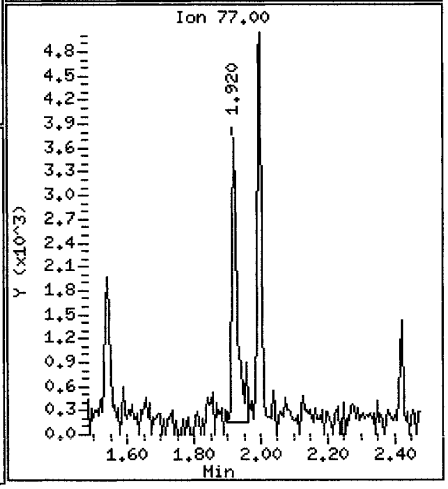












000639

Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Instrument: MSSV5.i

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

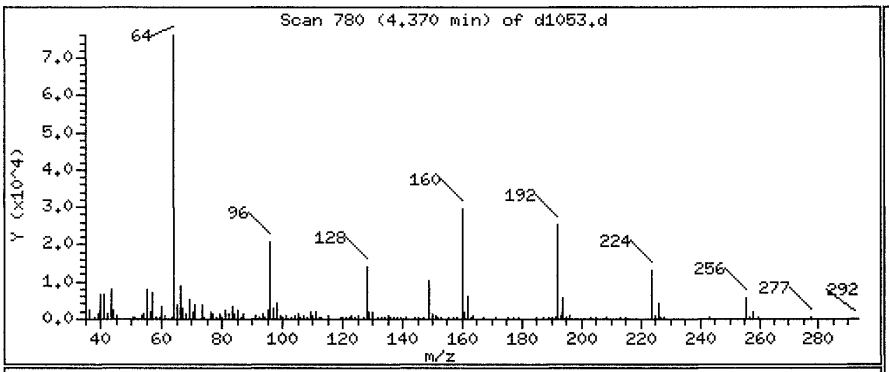
Operator: rrr

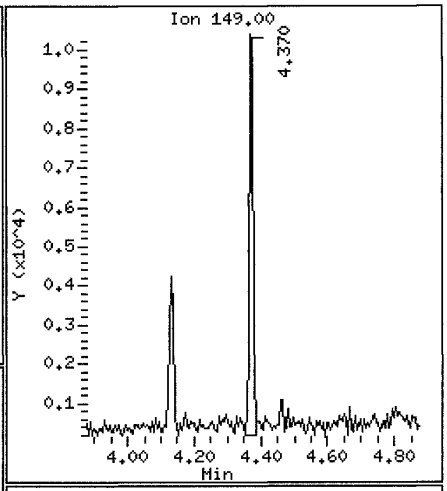
Column phase: RTX-5MS-30M

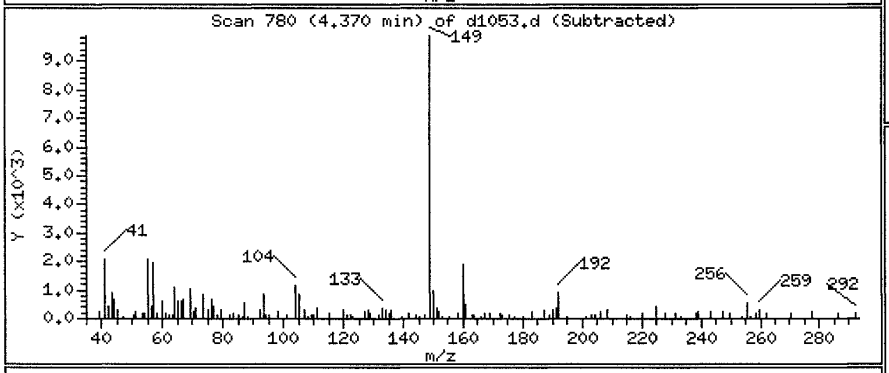
Column diameter: 0.25

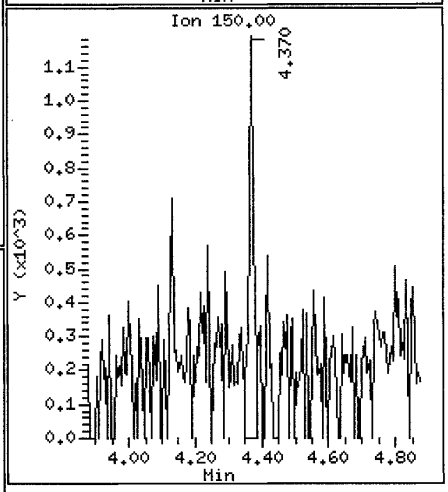
65 Di-n-butylphthalate

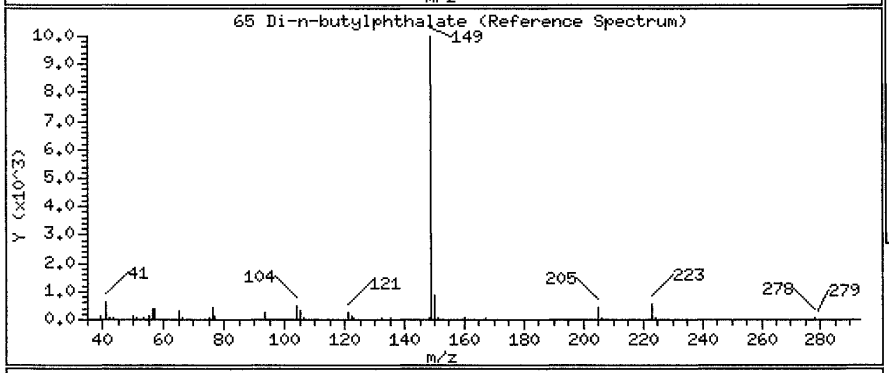
Concentration: 11.7 ug/Kg

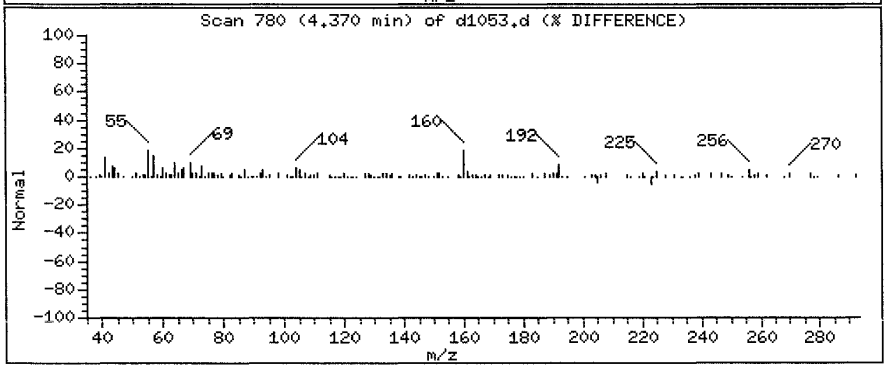












Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Instrument: MSSV5.i

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

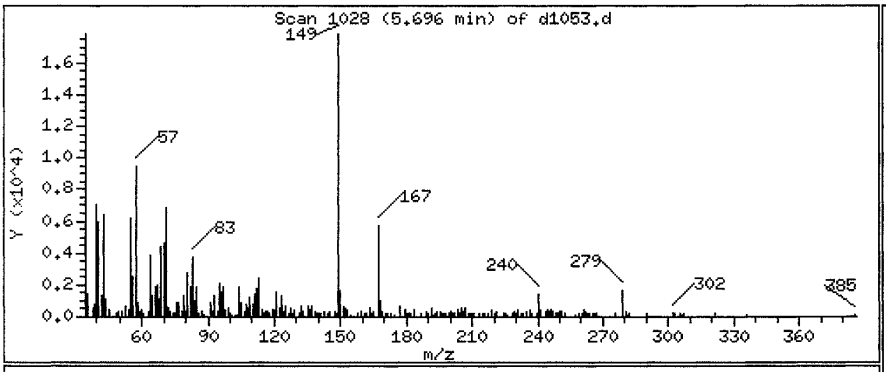
Operator: rrr

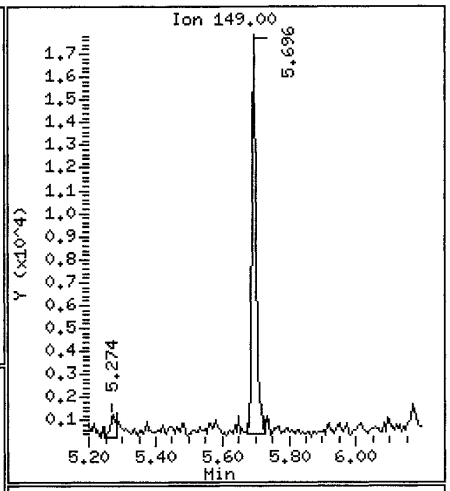
Column phase: RTX-5MS-30M

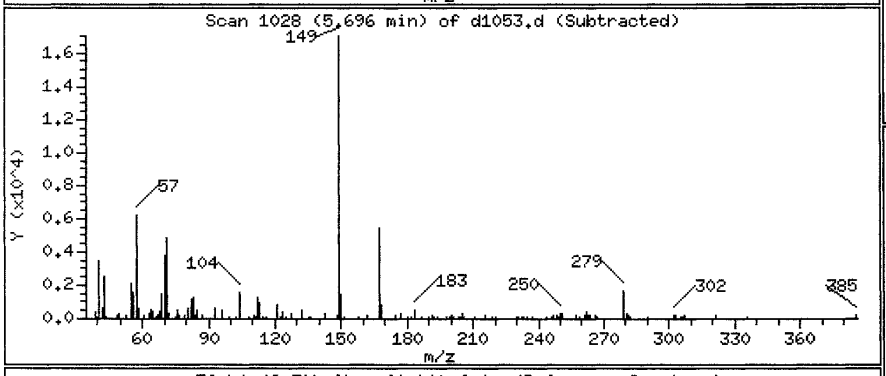
Column diameter: 0.25

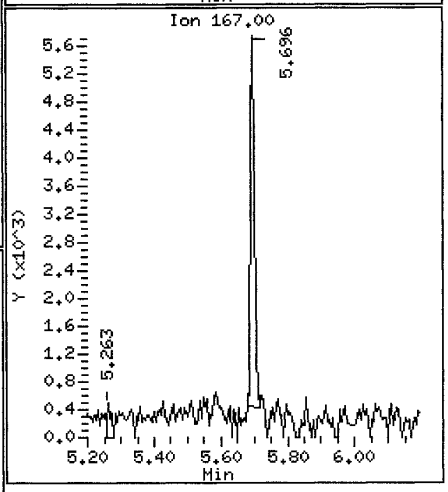
76 bis(2-Ethylhexyl)phthalate

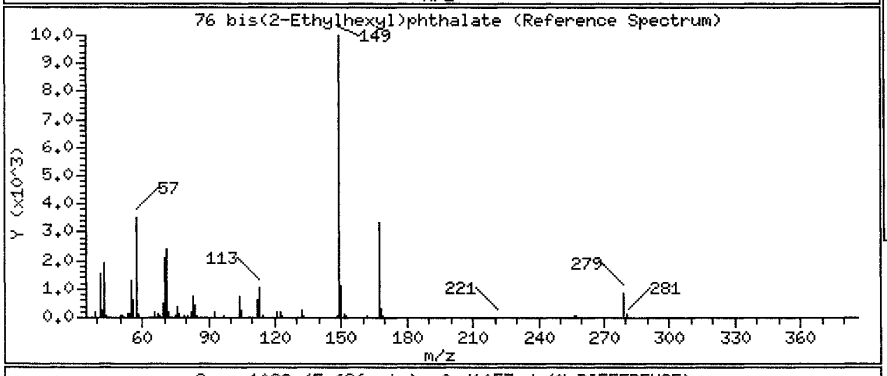
Concentration: 44.8 ug/Kg

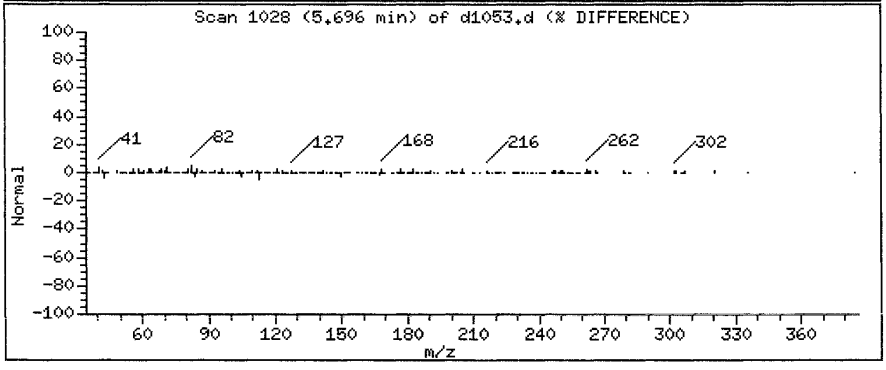












000641

167102

Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Instrument: MSSV5.i

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

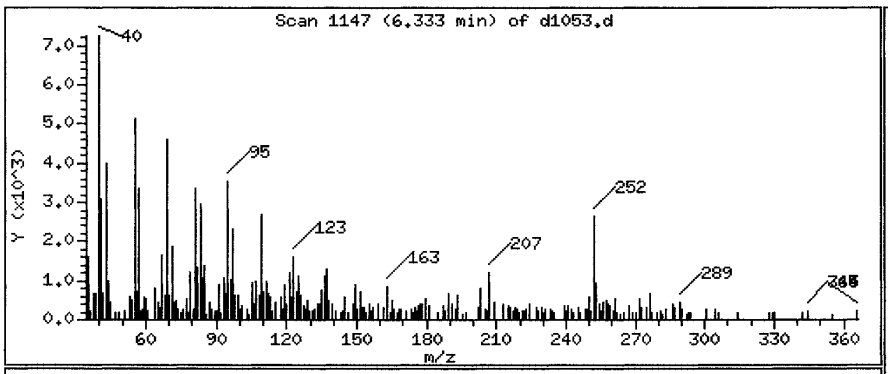
Operator: rrr

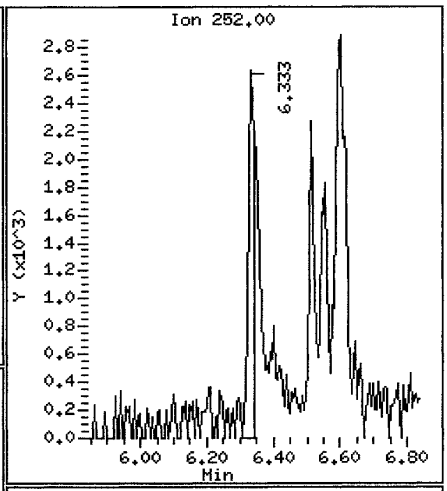
Column phase: RTX-5MS-30M

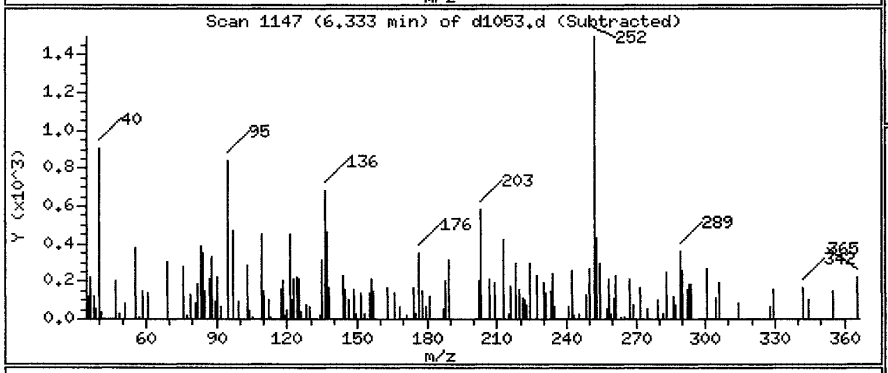
Column diameter: 0.25

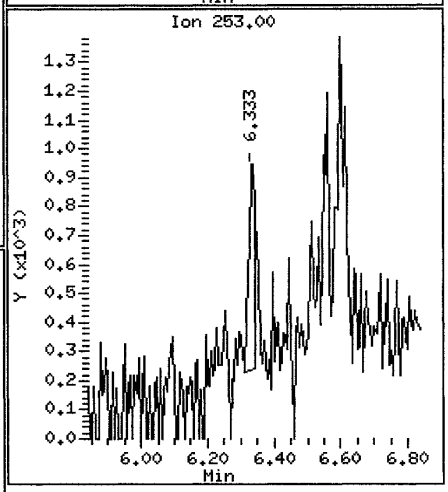
78 Benzo(b)fluoranthene

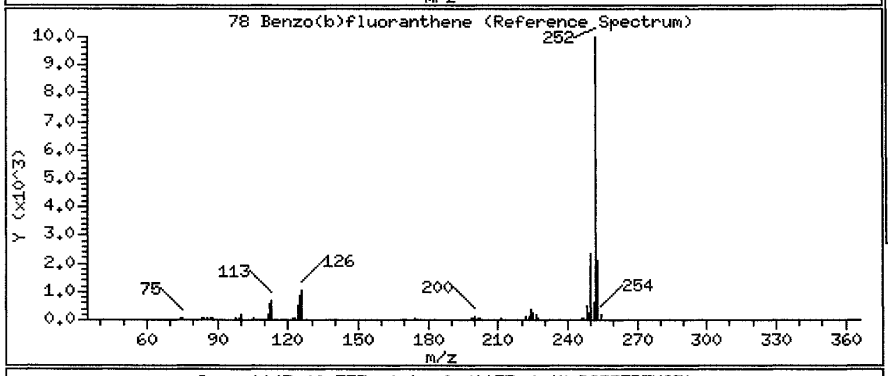
Concentration: 48.3 ug/Kg

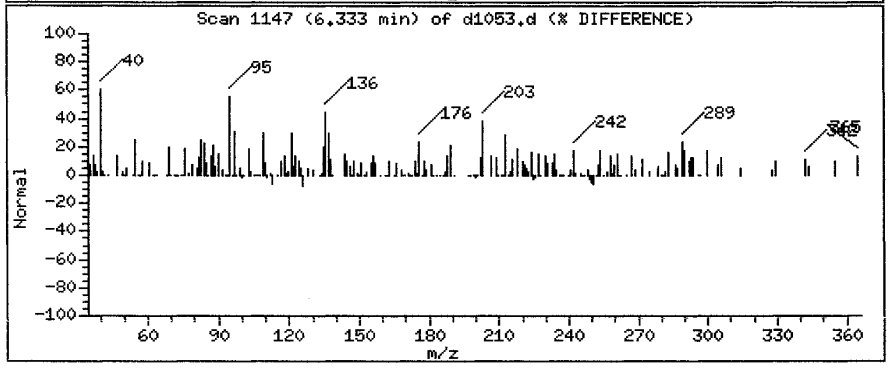












Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Instrument: MSSV5.i

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

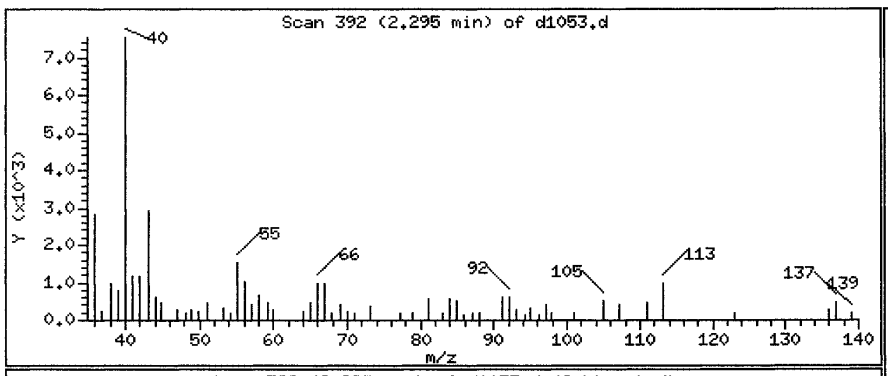
Operator: rrr

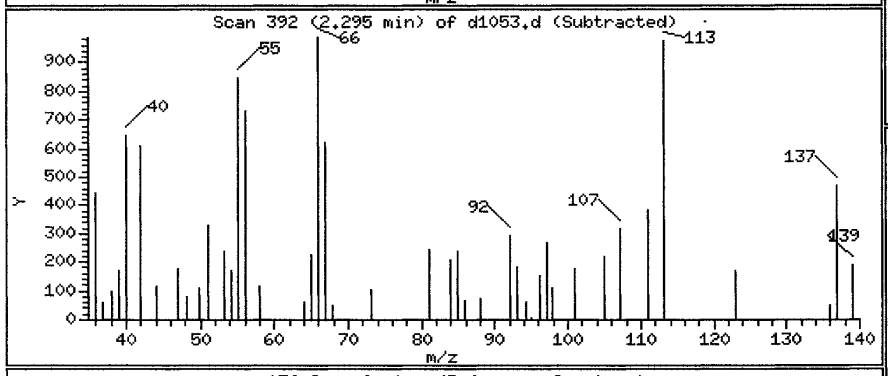
Column phase: RTX-5MS-30M

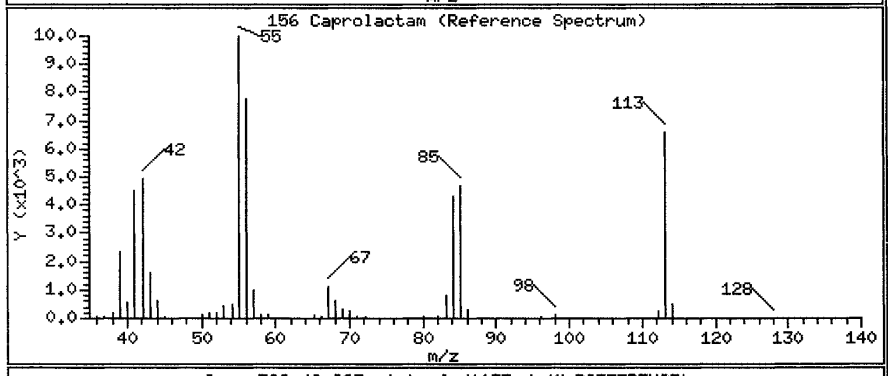
Column diameter: 0.25

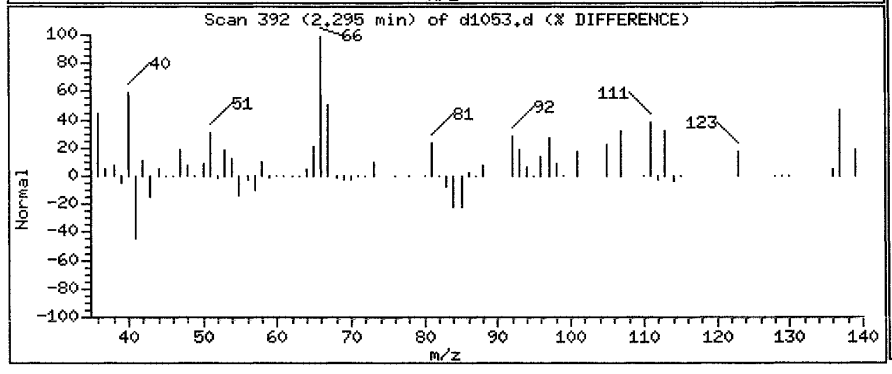
156 Caprolactam

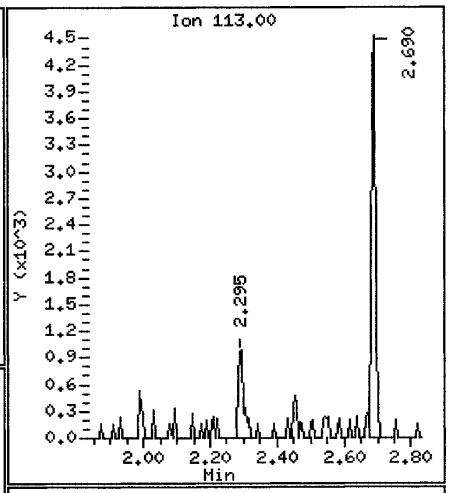
Concentration: 11.5 ug/Kg

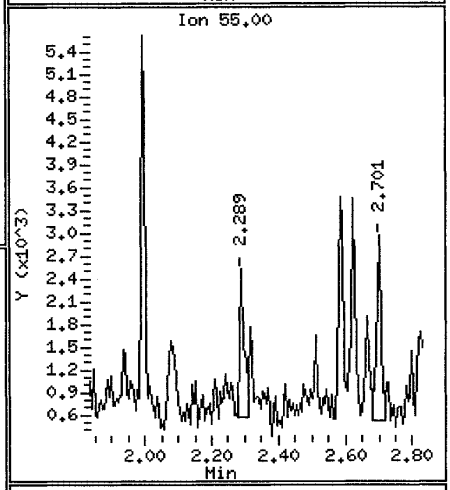


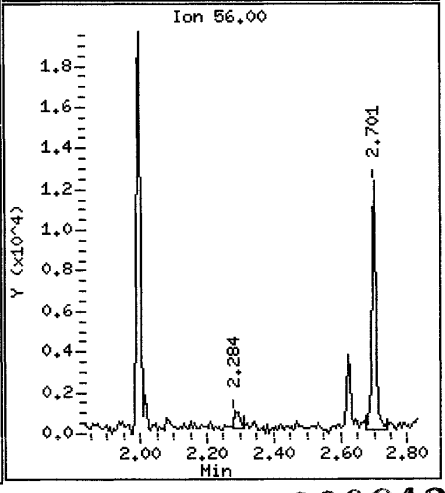












000643

Data File: /var/chem/MSSV5.i/2060805.s.b/d1053.d

Date : 05-AUG-2006 21:10

Client ID: 20608043101

Instrument: MSSV5.i

Sample Info: 20608043101*4482*

Volume Injected (uL): 1.0

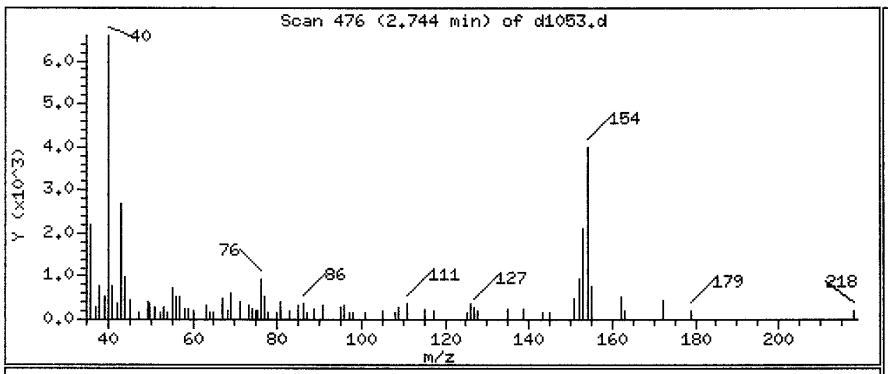
Operator: rrr

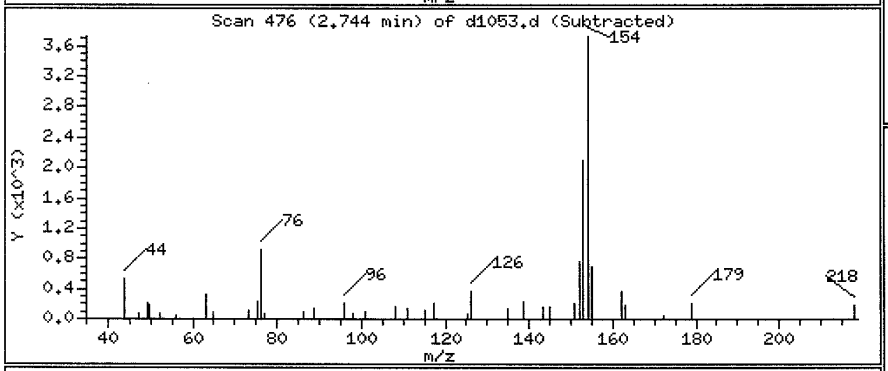
Column phase: RTX-5MS-30M

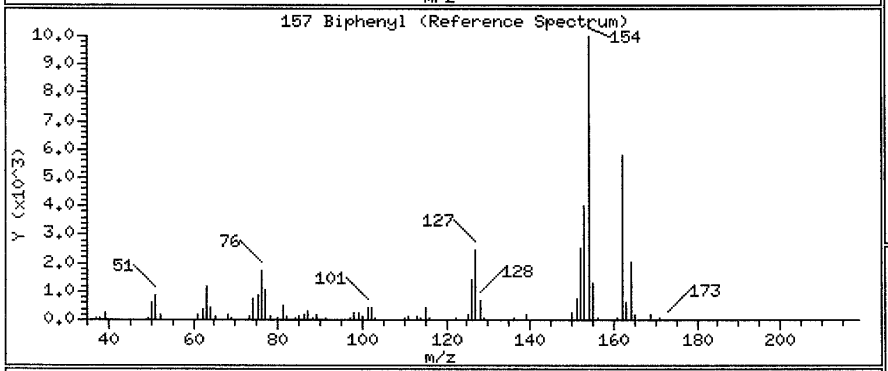
Column diameter: 0.25

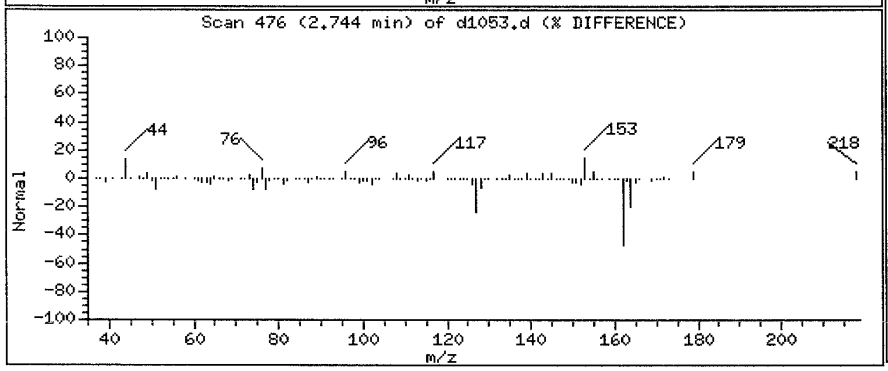
157 Biphenyl

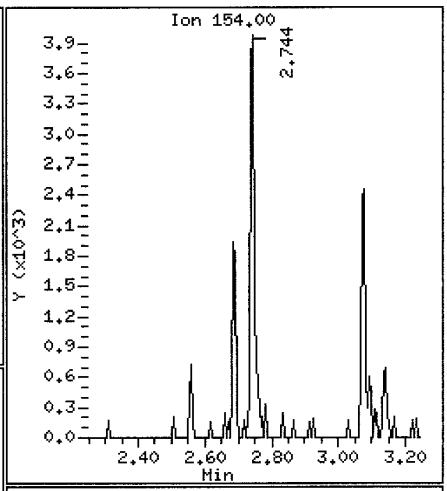
Concentration: 170 ug/Kg

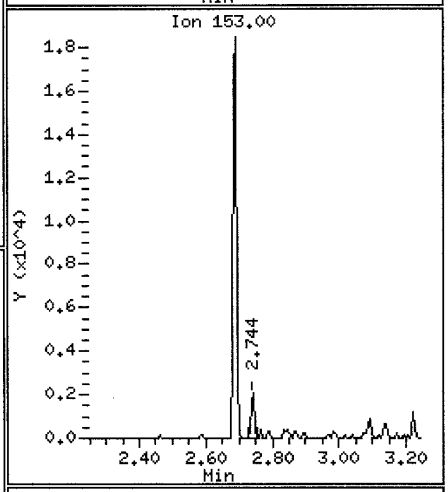


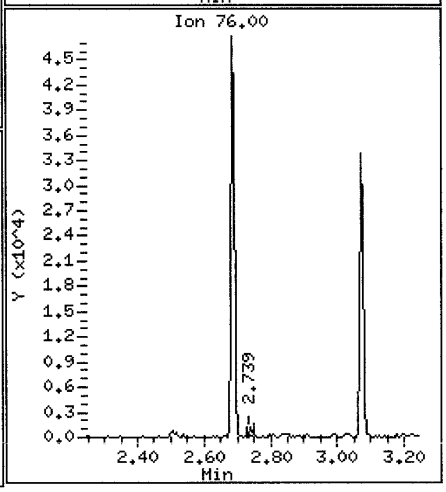








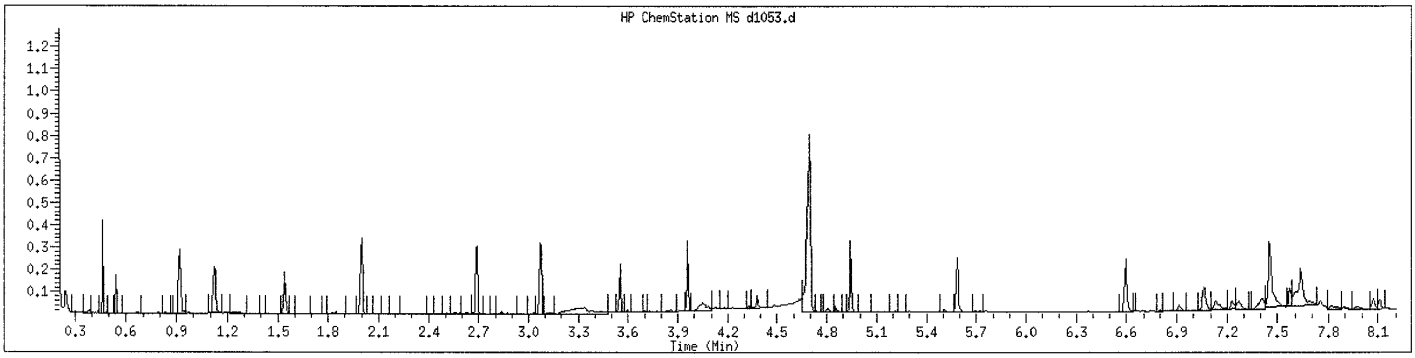




000644

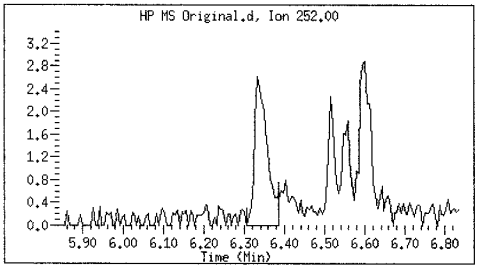
MANUAL INTEGRATION GRAPHIC REPORT

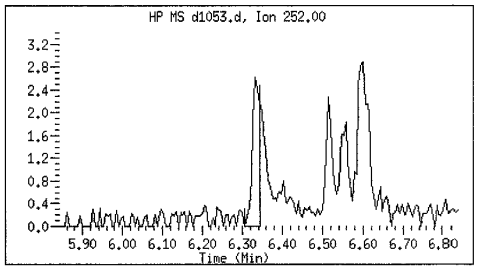
Lab ID : 20608043101 SampleType : SAMPLE
Injection Date: 05-AUG-2006 21:10 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043101*4482*
Misc Info : 20608043101*MSSV~3868~*080431*30.4-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



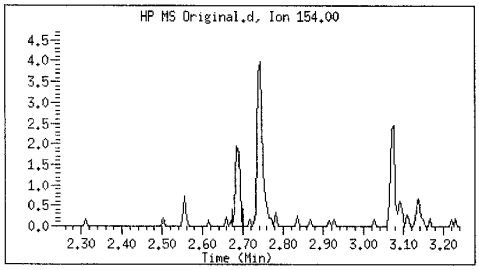
Original Final

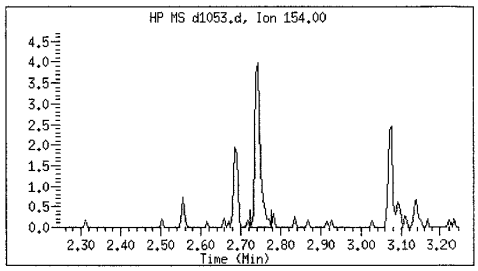
78 Benzo(b)fluoranthene CAS#: 205-99-2





157 Biphenyl CAS#: 92-52-4





000645

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 43.2 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: SE-501-(0-0.5)
Contract:
Lab File ID: 2060805/D1056
Lab Sample ID: 20608043104
Date Collected: 08/02/06 Time: 1405
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2153
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.577	U	0.013	0.577
95-95-4	2,4,5-Trichlorophenol	0.577	U	0.012	0.577
88-06-2	2,4,6-Trichlorophenol	0.577	U	0.026	0.577
120-83-2	2,4-Dichlorophenol	0.577	U	0.015	0.577
51-28-5	2,4-Dinitrophenol	2.92	U	0.099	2.92
121-14-2	2,4-Dinitrotoluene	0.577	U	0.026	0.577
606-20-2	2,6-Dinitrotoluene	0.577	U	0.014	0.577
91-58-7	2-Chloronaphthalene	0.577	U	0.016	0.577
95-57-8	2-Chlorophenol	0.577	U	0.00923	0.577
91-57-6	2-Methylnaphthalene	0.115	U	0.016	0.115
88-74-4	2-Nitroaniline	2.92	U	0.038	2.92
88-75-5	2-Nitrophenol	0.577	U	0.023	0.577
91-94-1	3,3'-Dichlorobenzidine	1.15	U	0.072	1.15
99-09-2	3-Nitroaniline	2.92	U	0.016	2.92
534-52-1	2-Methyl-4,6-dinitrophenol	2.92	U	0.030	2.92
59-50-7	4-Chloro-3-methylphenol	0.577	U	0.023	0.577
106-47-8	4-Chloroaniline	0.577	U	0.051	0.577
7005-72-3	4-Chlorophenyl-phenylether	0.577	U	0.015	0.577
83-32-9	Acenaphthene	0.115	U	0.015	0.115
208-96-8	Acenaphthylene	0.115	U	0.017	0.115
98-86-2	Acetophenone	0.577	U	0.012	0.577
62-53-3	Aniline	0.577	U	0.011	0.577
120-12-7	Anthracene	0.115	U	0.017	0.115
1912-24-9	Atrazine (Aatrex)	1.15	U	0.030	1.15
100-52-7	Benzaldehyde	0.241	J	0.044	1.15
92-87-5	Benzidine	2.31	U	0.078	2.31
56-55-3	Benzo(a)anthracene	0.115	U	0.015	0.115
50-32-8	Benzo(a)pyrene	0.115	U	0.015	0.115
205-99-2	Benzo(b)fluoranthene	0.090	J	0.011	0.577

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 43.2 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: SE-501-(0-0.5)
Contract:
Lab File ID: 2060805/D1056
Lab Sample ID: 20608043104
Date Collected: 08/02/06 Time: 1405
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2153
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.577	U	0.015	0.577
207-08-9	Benzo(k)fluoranthene	0.577	U	0.024	0.577
65-85-0	Benzoic acid	2.92	U	0.269	2.92
100-51-6	Benzyl alcohol	0.577	U	0.017	0.577
92-52-4	Biphenyl	0.301	JB	0.017	0.577
111-91-1	Bis(2-Chloroethoxy)methane	0.577	U	0.020	0.577
111-44-4	Bis(2-Chloroethyl)ether	0.577	U	0.018	0.577
108-60-1	bis(2-Chloroisopropyl)ether	0.577	U	0.022	0.577
117-81-7	bis(2-ethylhexyl)phthalate	0.048	JB	0.016	0.115
101-55-3	4-Bromophenyl-phenylether	0.577	U	0.014	0.577
85-68-7	Butylbenzylphthalate	0.577	U	0.019	0.577
105-60-2	Caprolactam	0.577	U	0.119	0.577
86-74-8	Carbazole	0.577	U	0.015	0.577
218-01-9	Chrysene	0.577	U	0.014	0.577
84-74-2	Di-n-butylphthalate	0.577	U	0.043	0.577
117-84-0	Di-n-octylphthalate	0.577	U	0.013	0.577
53-70-3	Dibenz(a,h)anthracene	0.115	U	0.015	0.115
132-64-9	Dibenzofuran	0.577	U	0.021	0.577
84-66-2	Diethylphthalate	0.577	U	0.026	0.577
131-11-3	Dimethyl-phthalate	0.577	U	0.019	0.577
105-67-9	2,4-Dimethylphenol	0.577	U	0.039	0.577
206-44-0	Fluoranthene	0.577	U	0.017	0.577
86-73-7	Fluorene	0.115	U	0.015	0.115
118-74-1	Hexachlorobenzene	0.577	U	0.019	0.577
77-47-4	Hexachlorocyclopentadiene	0.577	U	0.013	0.577
67-72-1	Hexachloroethane	0.577	U	0.024	0.577
193-39-5	Indeno(1,2,3-cd)pyrene	0.192	J	0.025	0.577
78-59-1	Isophorone	0.577	U	0.015	0.577
100-01-6	4-Nitroaniline	2.92	U	0.042	2.92

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 43.2 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: SE-501-(0-0.5)
Contract:
Lab File ID: 2060805/D1056
Lab Sample ID: 20608043104
Date Collected: 08/02/06 Time: 1405
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2153
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.577	U	0.022	0.577
100-02-7	4-Nitrophenol	2.92	U	0.076	2.92
87-86-5	Pentachlorophenol	2.92	U	0.150	2.92
85-01-8	Phenanthrene	0.115	U	0.019	0.115
108-95-2	Phenol	0.577	U	0.019	0.577
129-00-0	Pyrene	0.577	U	0.018	0.577
110-86-1	Pyridine	0.577	U	0.035	0.577
1319-77-3M	m,p-Cresol	0.577	U	0.021	0.577
621-64-7	N-Nitroso-di-n-propylamine	0.115	U	0.016	0.115
62-75-9	N-Nitrosodimethylamine	0.577	U	0.075	0.577
86-30-6	N-Nitrosodiphenylamine	0.577	U	0.017	0.577
95-48-7	o-Cresol	0.577	U	0.023	0.577

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1056.d
Lab Smp Id: 20608043104 Client Smp ID: 20608043104
Inj Date : 05-AUG-2006 21:53
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043104*4482*
Misc Info : 20608043104*MSSV~3868~*080431*30.2-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 46
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	0.540	0.540	(0.481)	191186	65.7776	2180
$	4 Phenol-d5	99	0.915	0.920	(0.814)	760842	56.1002	1860
*	10 1,4-Dichlorobenzene-d4	152	1.123	1.123	(1.000)	316739	40.0000	
$	19 Nitrobenzene-d5	82	1.540	1.546	(0.770)	467096	30.4506	1010
	25 Benzoic Acid	122	1.920	1.979	(0.960)	2634	0.52292	17.3
*	28 Naphthalene-d8	136	2.000	2.000	(1.000)	1144316	40.0000	
	30 4-Chloroaniline	127	2.075	2.075	(1.037)	553	0.80061	26.5
$	37 2-Fluorobiphenyl	172	2.685	2.690	(0.875)	681310	32.8770	1090
*	44 Acenaphthene-d10	164	3.070	3.076	(1.000)	582574	40.0000	
$	57 2,4,6-Tribromophenol	332	3.552	3.557	(1.157)	176486	67.8362	2250
*	61 Phenanthrene-d10	188	3.958	3.958	(1.000)	808482	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
65	Di-n-butylphthalate	149	4.370	4.375	(1.104)	4997	0.23093	7.65
$ 70	Terphenyl-d14	244	4.942	4.942	(0.885)	693068	33.5411	1110
* 74	Chrysene-d12	240	5.584	5.589	(1.000)	777319	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.696	5.696	(1.020)	7122	0.82979	27.5
78	Benzo(b)fluoranthene	252	6.333	6.338	(0.960)	4996	1.54346	51.1(M)
* 81	Perylene-d12	264	6.595	6.595	(1.000)	926157	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.306	7.306	(1.308)	1677	3.30132	109
155	Benzaldehyde	77	0.824	0.824	(0.733)	1039	4.14518	137
157	Biphenyl	154	2.739	2.744	(1.369)	3807	5.16406	171(M)

QC Flag Legend

M - Compound response manually integrated.

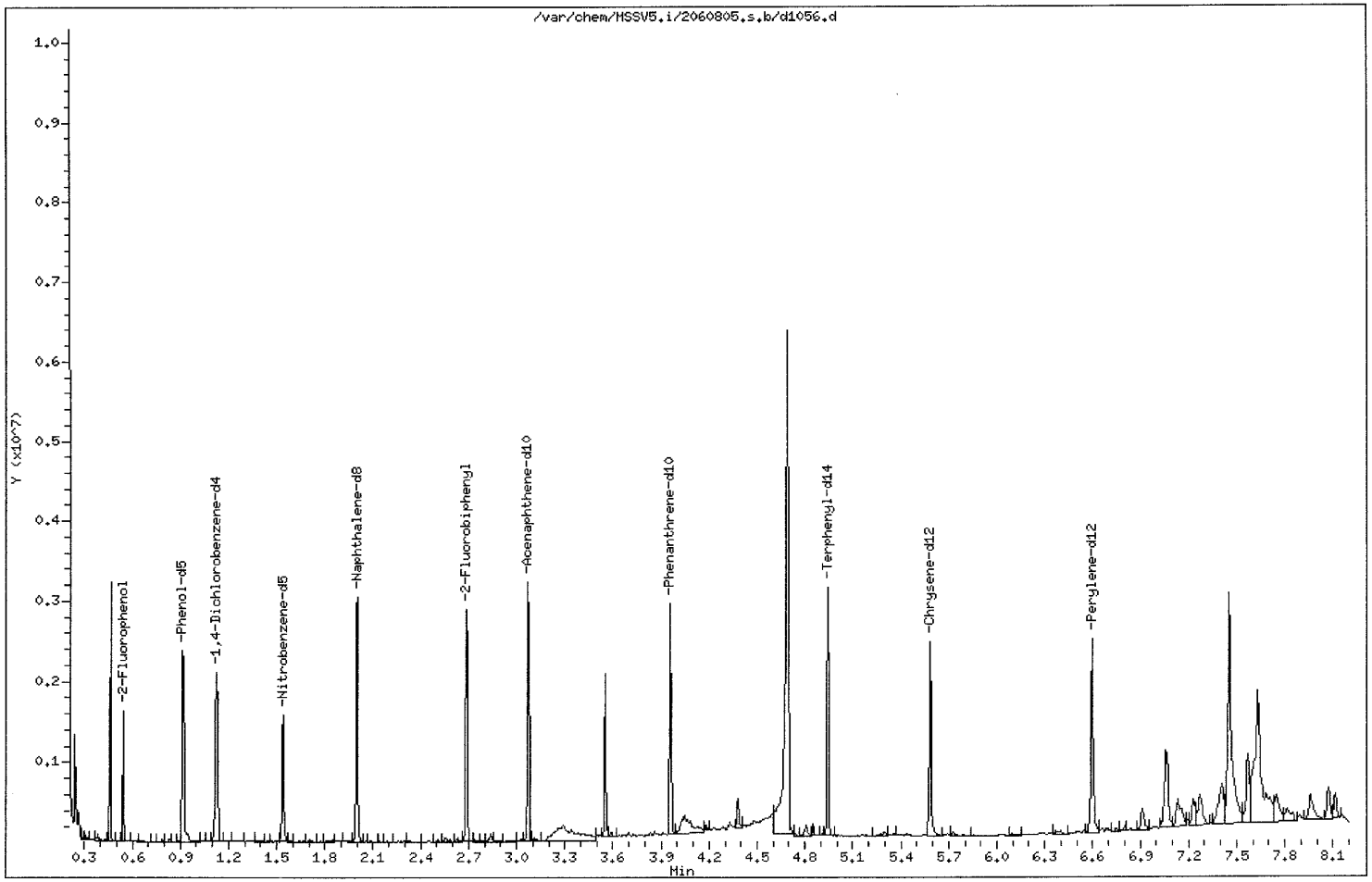
000651

Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d
Date : 05-AUG-2006 21:53
Client ID: 20608043104
Sample Info: 20608043104*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Page 1

Instrument: MSSV5.i

Operator: rrr
Column diameter: 0.25



167112

Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

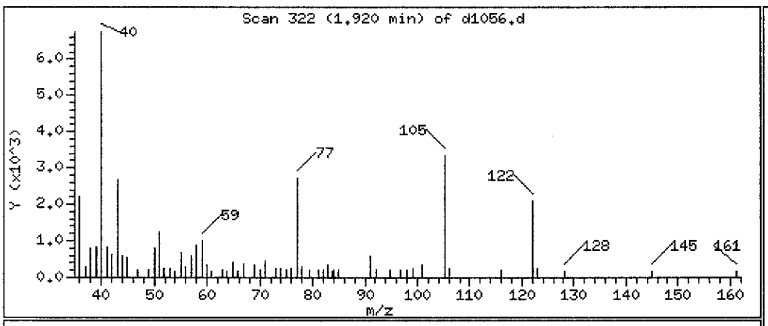
Operator: rrr

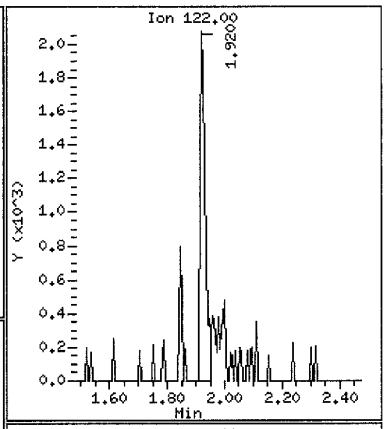
Column phase: RTX-5MS-30M

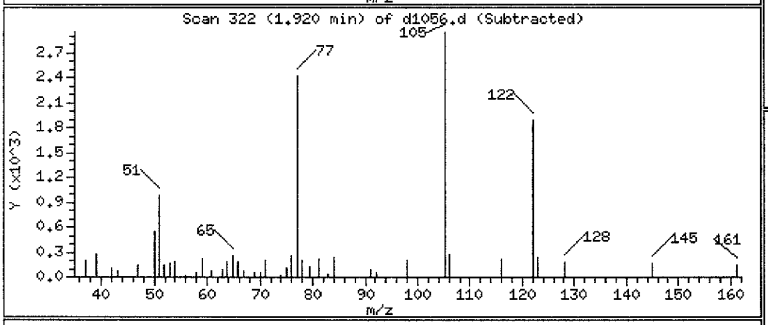
Column diameter: 0.25

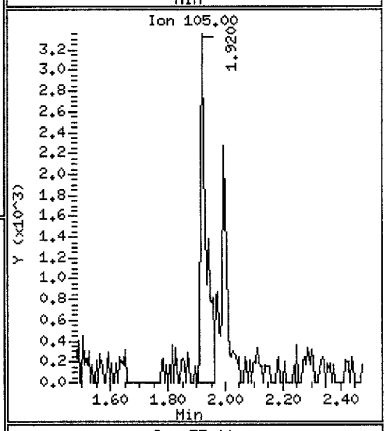
25 Benzoic Acid

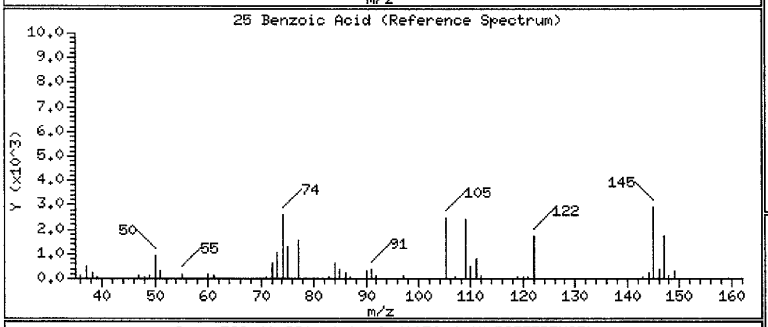
Concentration: 17.3 ug/Kg

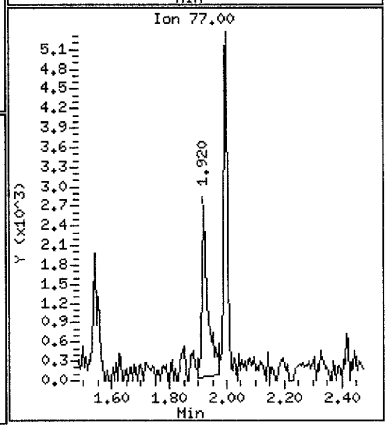


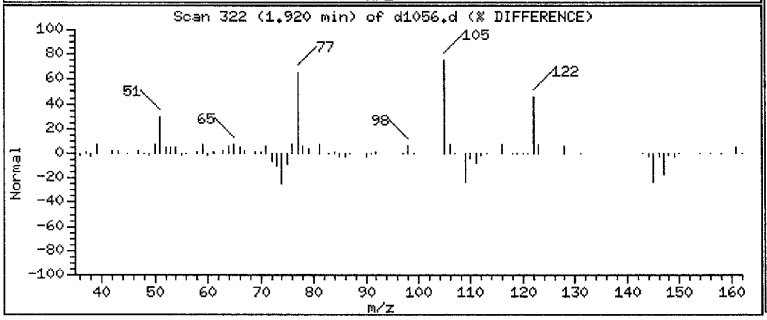












000652

167113

Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

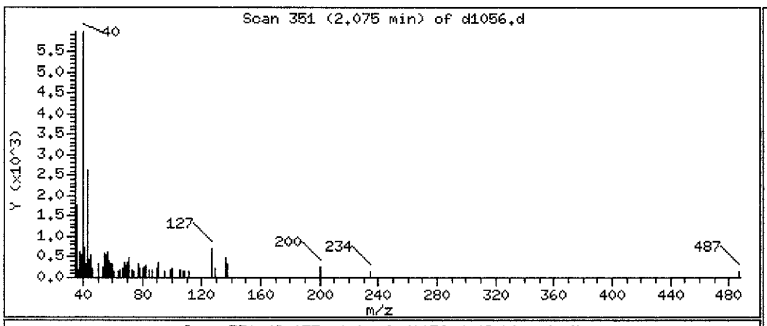
Operator: rrr

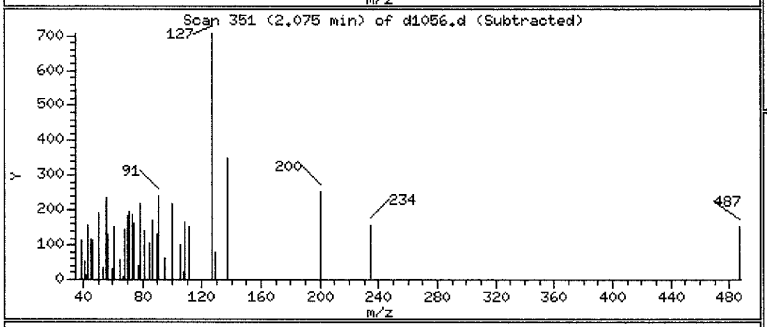
Column phase: RTX-5MS-30M

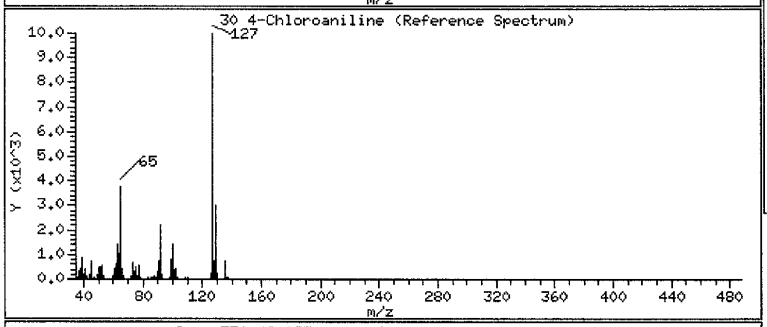
Column diameter: 0.25

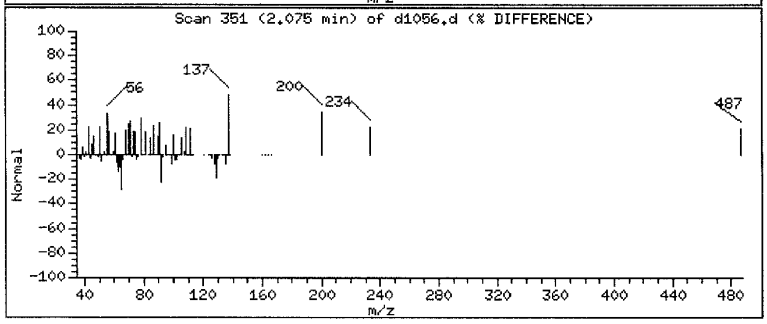
30 4-Chloroaniline

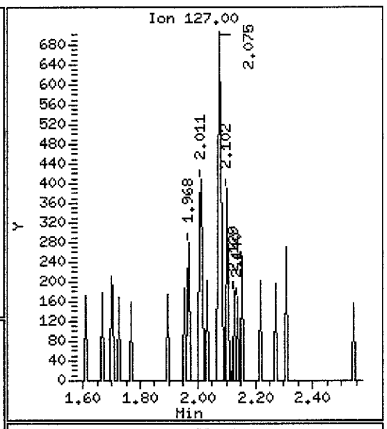
Concentration: 26.5 ug/Kg

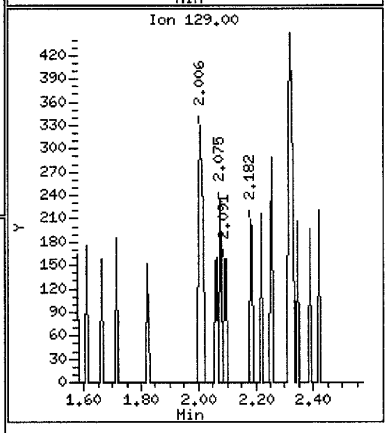












Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

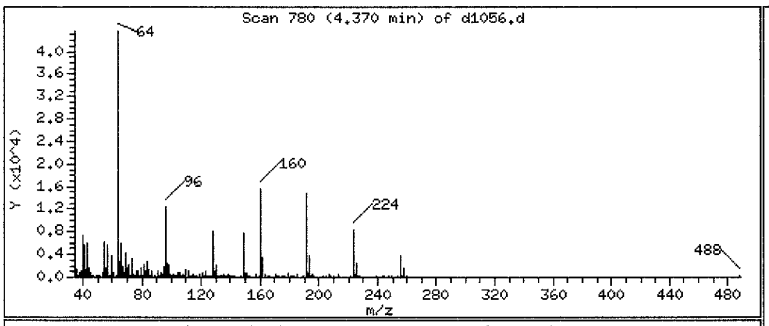
Operator: rrr

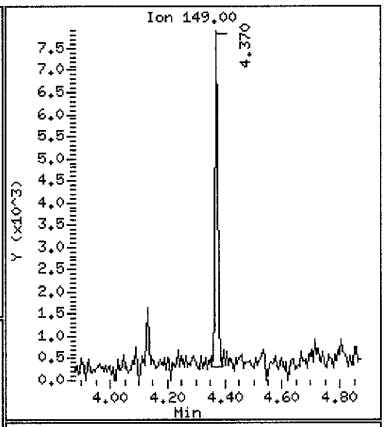
Column phase: RTX-5MS-30M

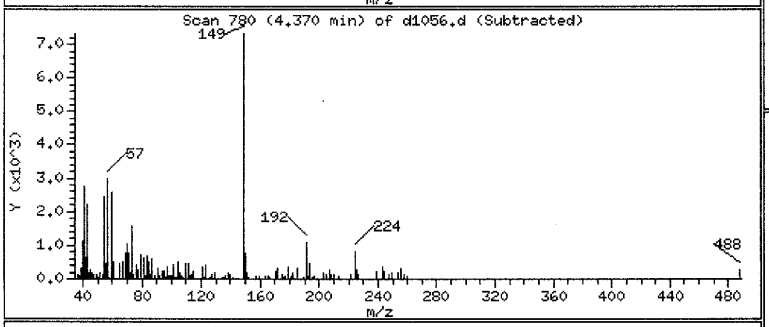
Column diameter: 0.25

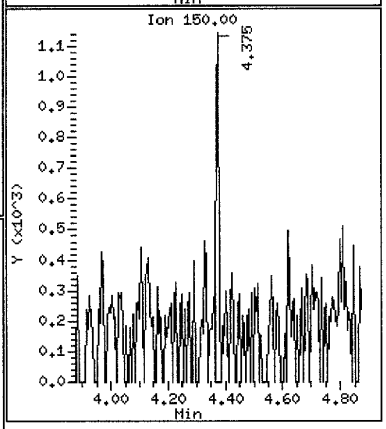
65 Di-n-butylphthalate

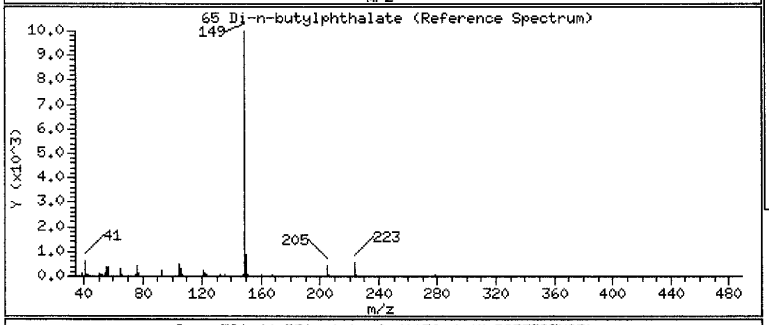
Concentration: 7.65 ug/Kg

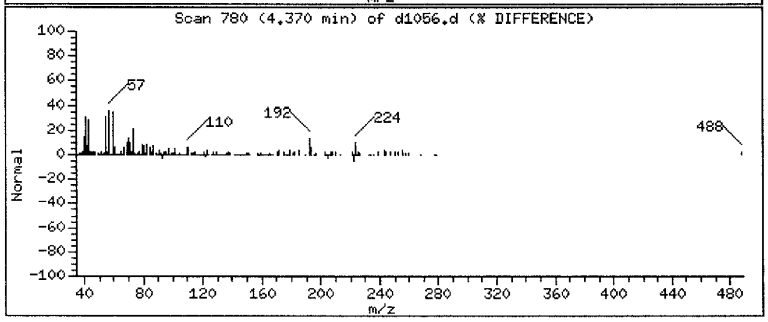












Data File: /var/chem/MSSV5.i/20060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

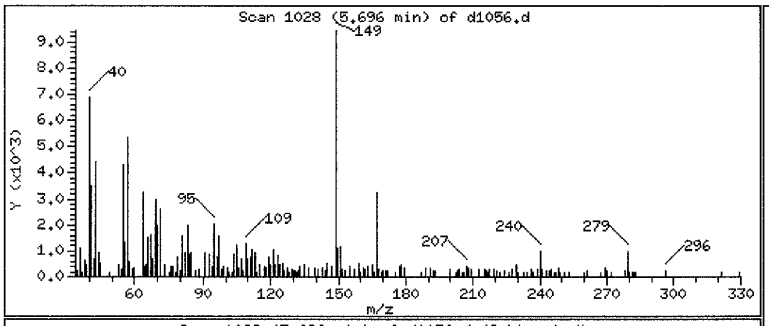
Operator: rrr

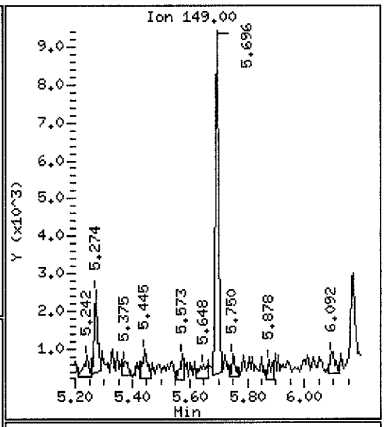
Column phase: RTX-5MS-30M

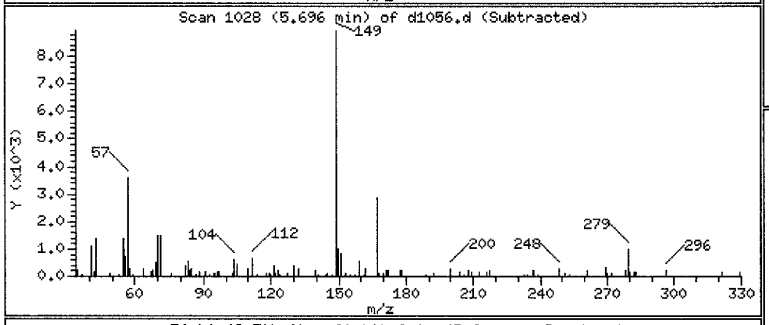
Column diameter: 0.25

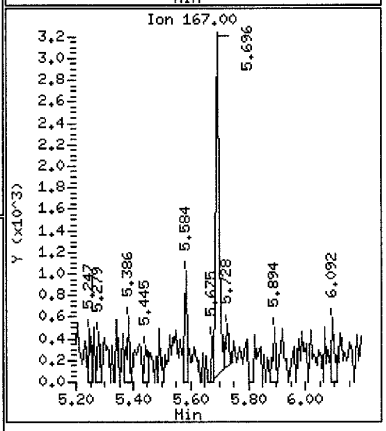
76 bis(2-Ethylhexyl)phthalate

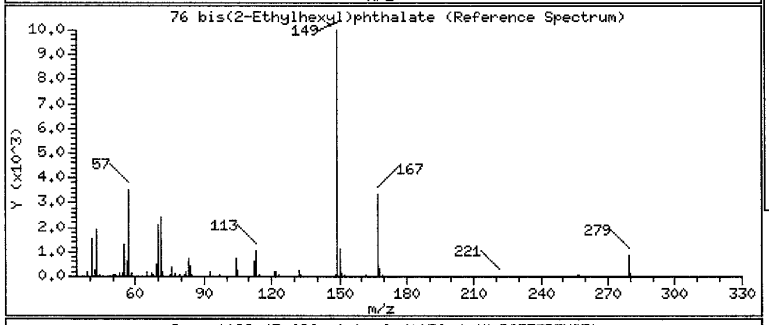
Concentration: 27.5 ug/Kg

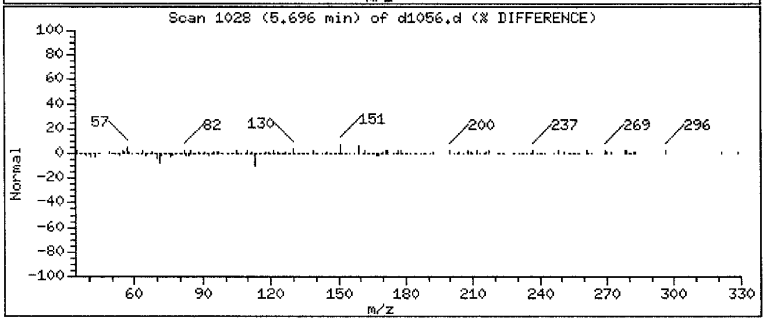












000655

167116

Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

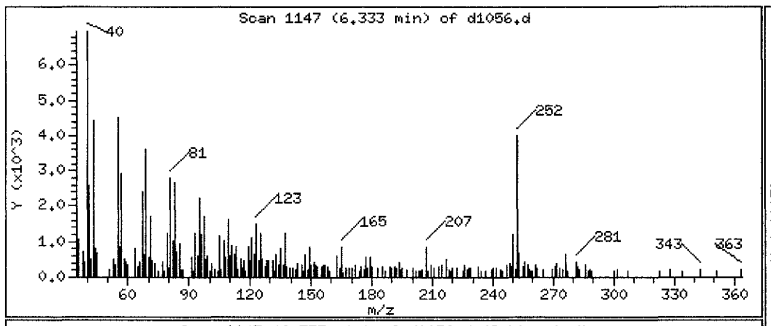
Client ID: 20608043104 Instrument: MSSV5.i

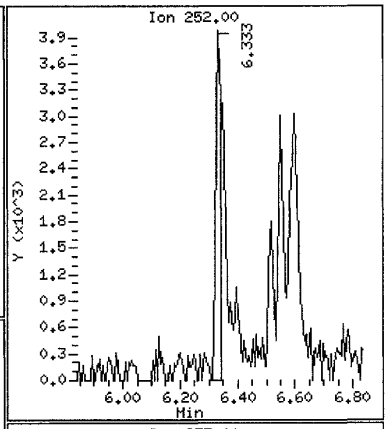
Sample Info: 20608043104*4482*

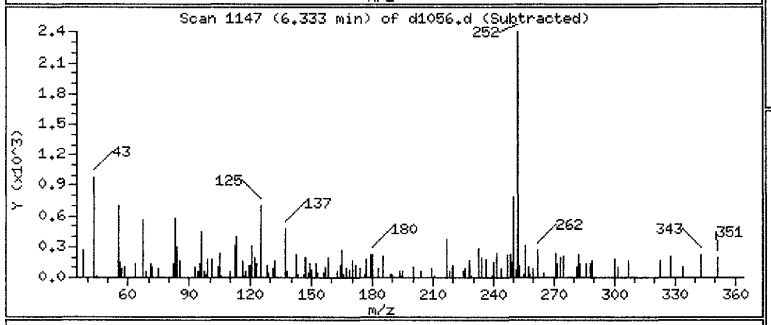
Volume Injected (uL): 1.0 Operator: rrr

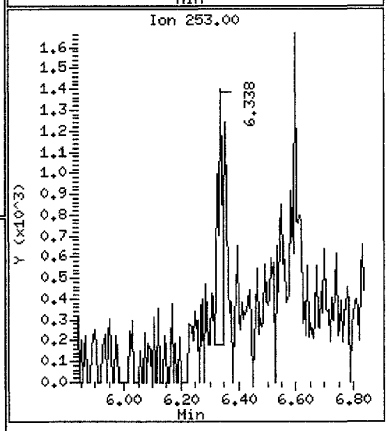
Column phase: RTX-5MS-30M Column diameter: 0.25

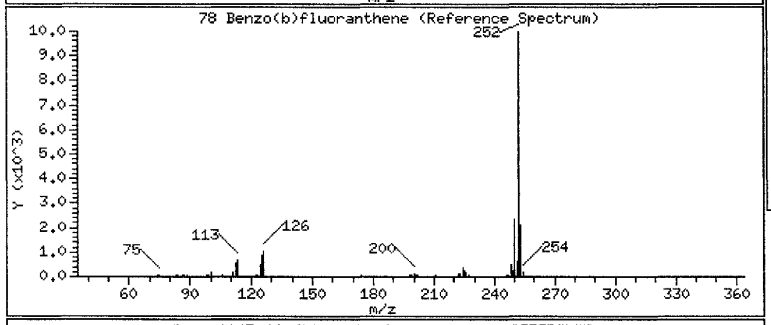
78 Benzo(b)fluoranthene Concentration: 51.1 ug/Kg

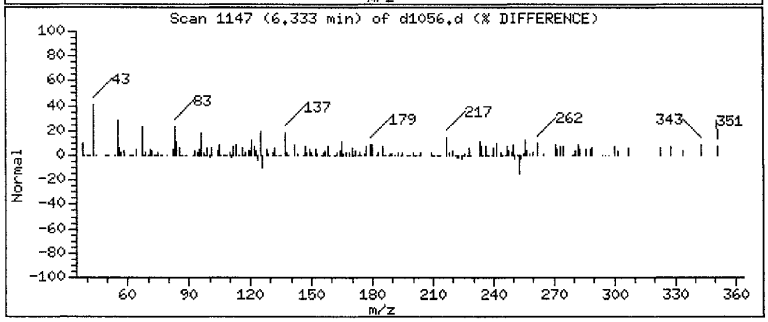












000656

Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

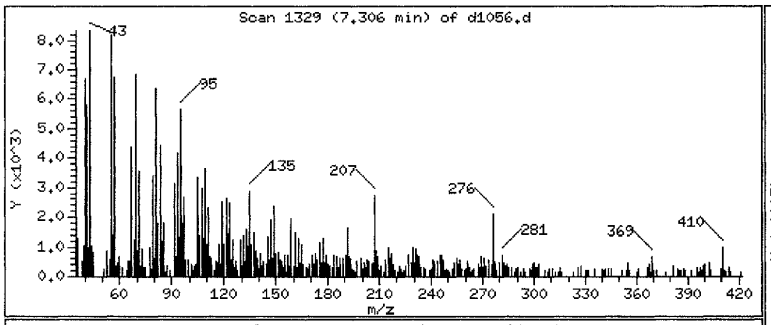
Operator: rrr

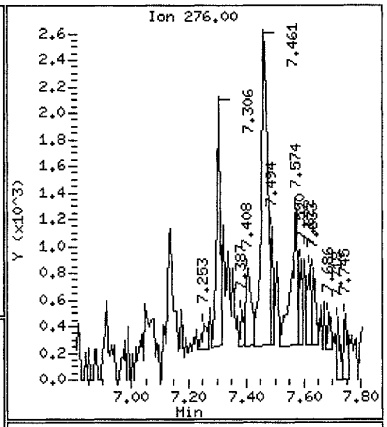
Column phase: RTX-5MS-30M

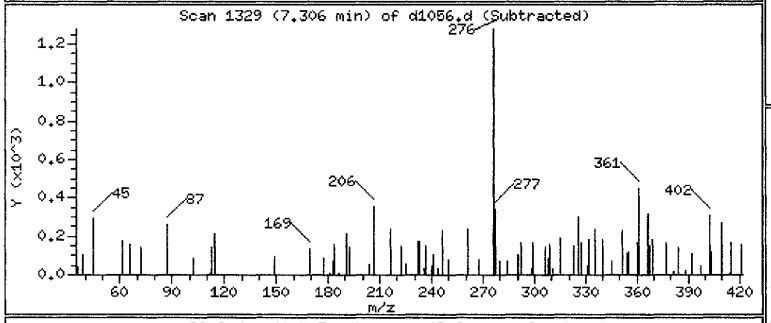
Column diameter: 0.25

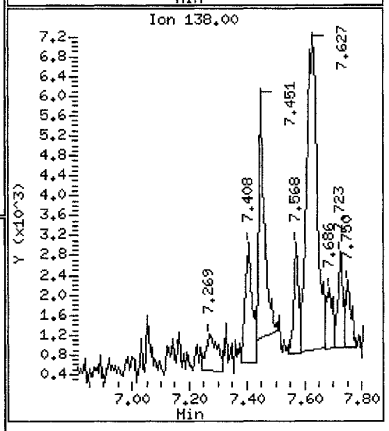
82 Indeno(1,2,3-cd)pyrene

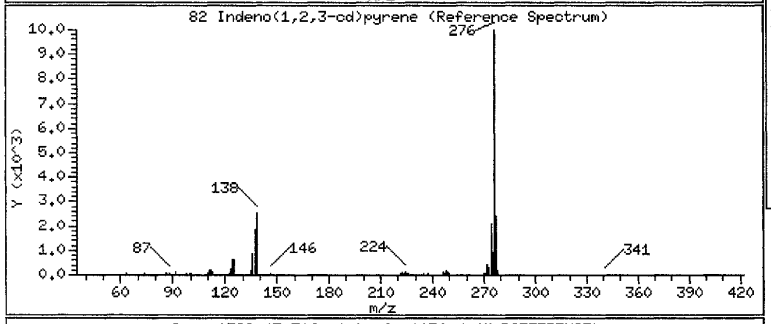
Concentration: 109 ug/Kg

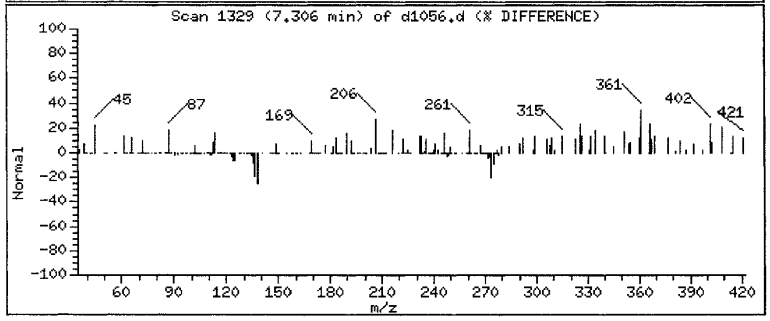












Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

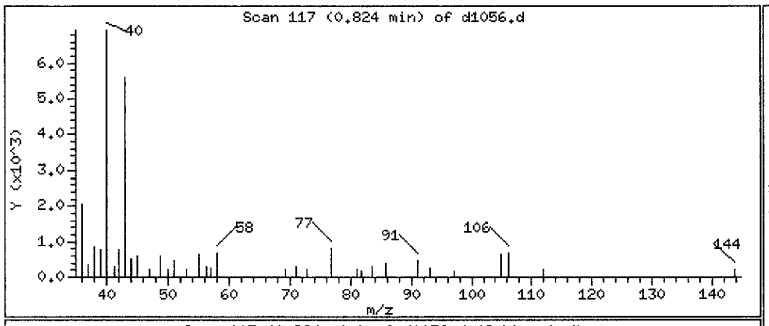
Operator: rrr

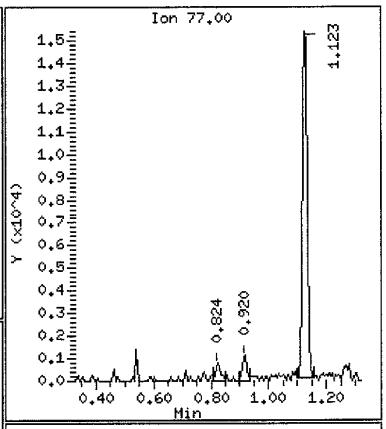
Column phase: RTX-5MS-30M

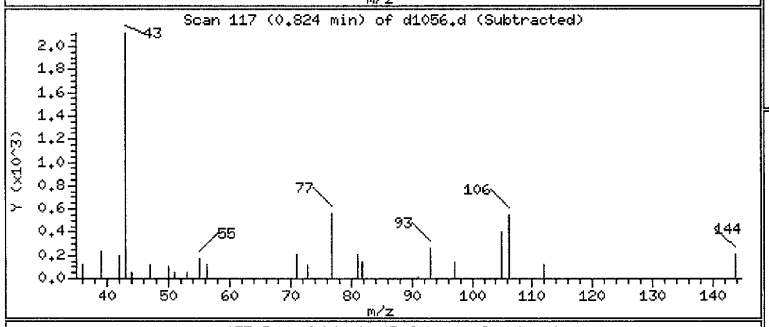
Column diameter: 0.25

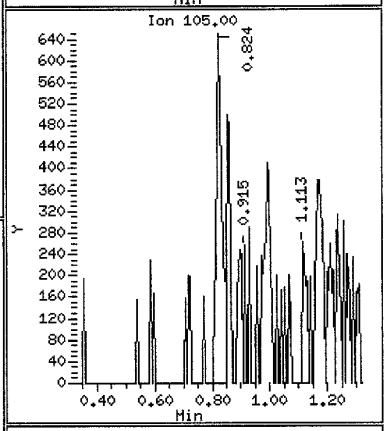
155 Benzaldehyde

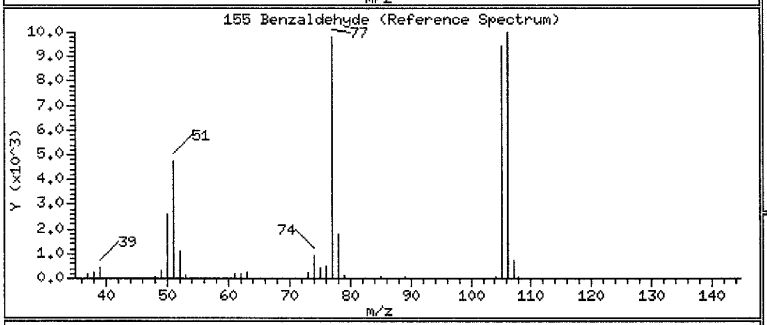
Concentration: 137 ug/Kg

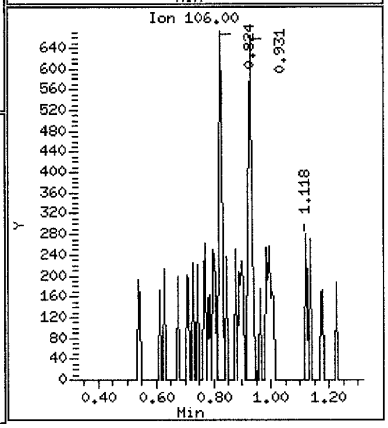


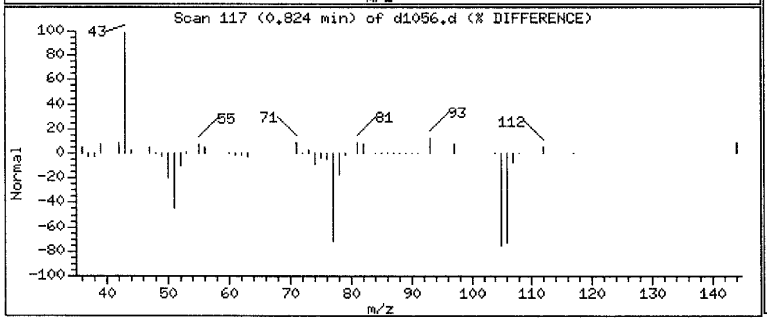












000658

Data File: /var/chem/MSSV5.i/2060805.s.b/d1056.d

Date : 05-AUG-2006 21:53

Client ID: 20608043104

Instrument: MSSV5.i

Sample Info: 20608043104*4482*

Volume Injected (uL): 1.0

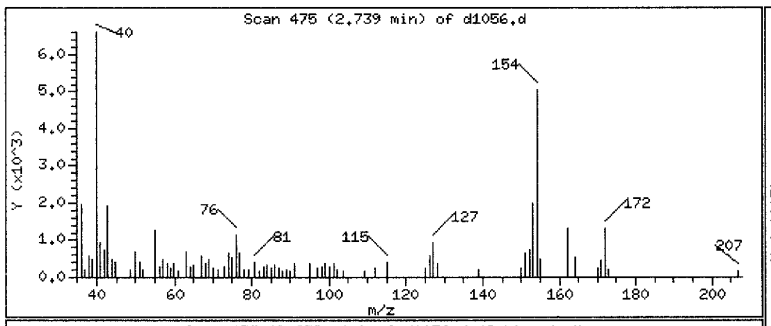
Operator: rrr

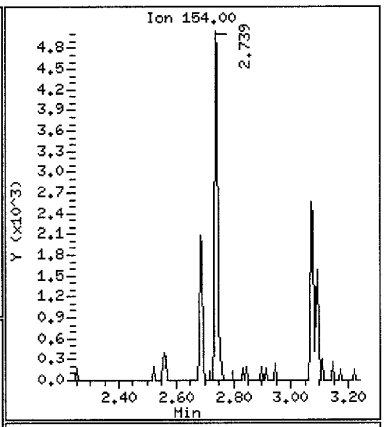
Column phase: RTX-5MS-30M

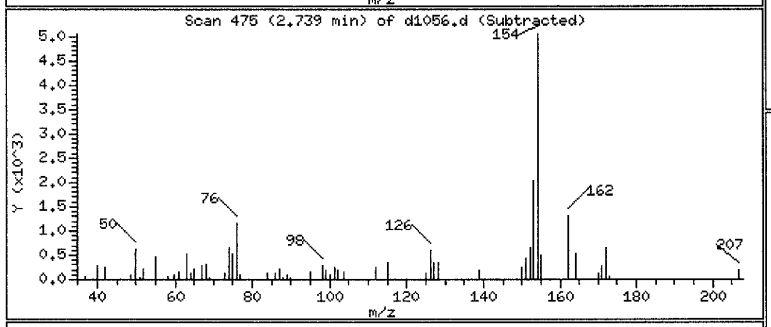
Column diameter: 0.25

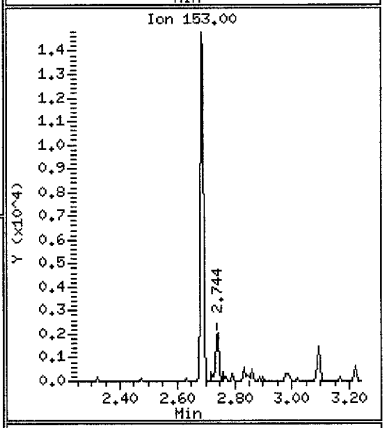
157 Biphenyl

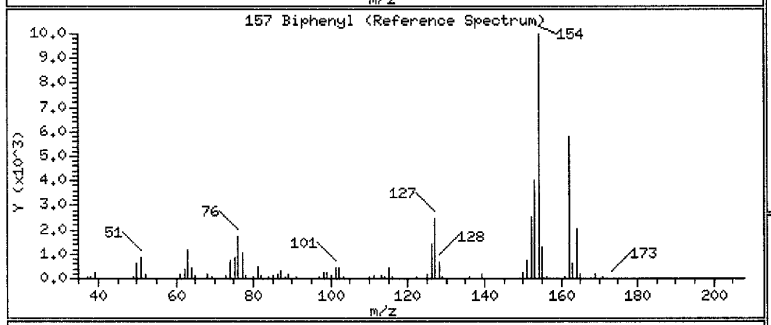
Concentration: 171 ug/Kg

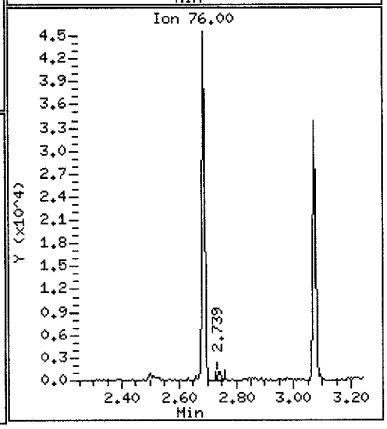


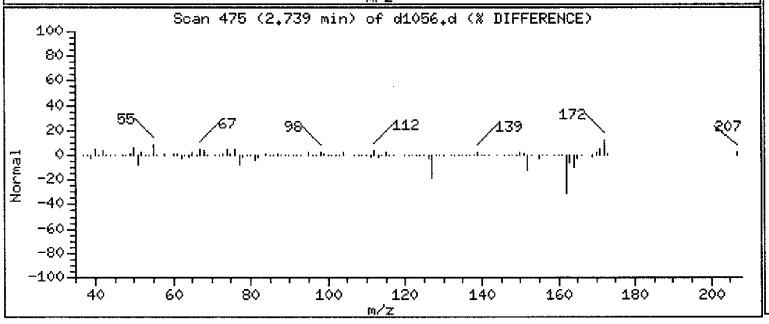










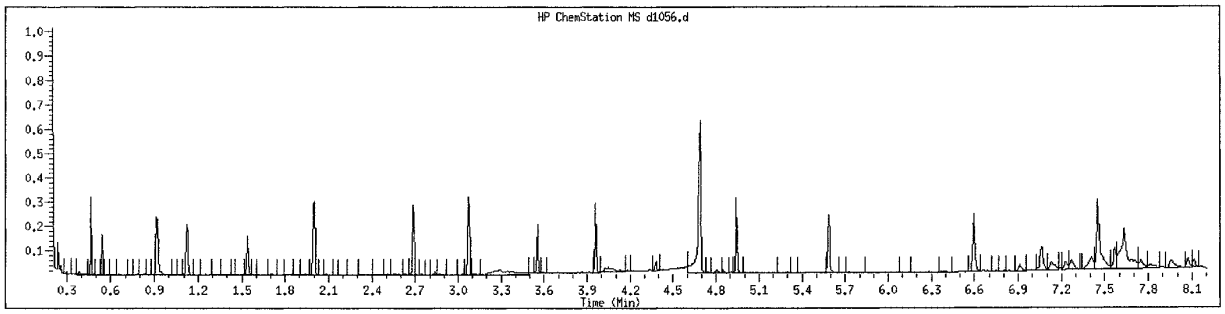


000659

Data file : /var/chem/MSSV5.i/2060805.s.b/d1056.d Page: 1
Report Date: 08/06/2006 09:37

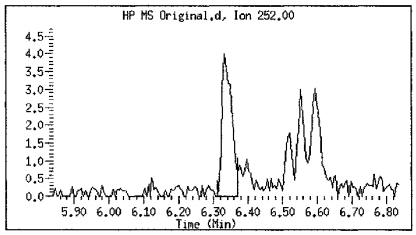
MANUAL INTEGRATION GRAPHIC REPORT

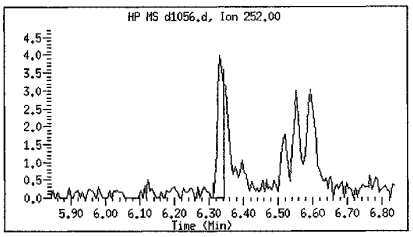
Lab ID : 20608043104 SampleType : SAMPLE
Injection Date: 05-AUG-2006 21:53 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043104*4482*
Misc Info : 20608043104*MSSV~3868~*080431*30.2-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



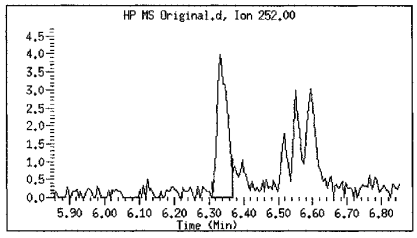
Original Final

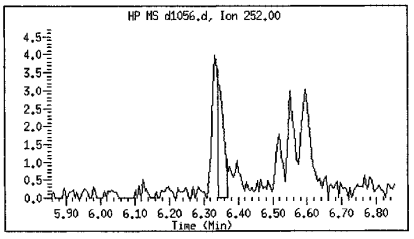
78 Benzo(b)fluoranthene CAS#: 205-99-2





79 Benzo(k)fluoranthene CAS#: 207-08-9





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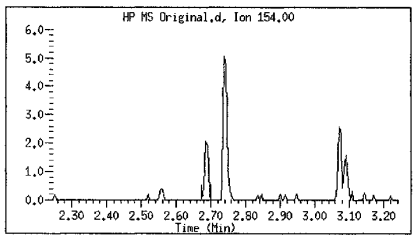
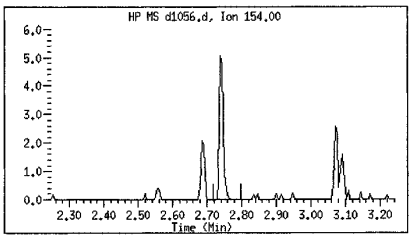
Original Final

157 Biphenyl CAS#: 92-52-4





1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.5 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: FWPSE04-004-(0-0.5)
Contract:
Lab File ID: 2060805/D1057
Lab Sample ID: 20608043105
Date Collected: 08/02/06 Time: 1420
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2208
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.564	U	0.012	0.564
95-95-4	2,4,5-Trichlorophenol	0.564	U	0.011	0.564
88-06-2	2,4,6-Trichlorophenol	0.564	U	0.025	0.564
120-83-2	2,4-Dichlorophenol	0.564	U	0.015	0.564
51-28-5	2,4-Dinitrophenol	2.86	U	0.097	2.86
121-14-2	2,4-Dinitrotoluene	0.564	U	0.025	0.564
606-20-2	2,6-Dinitrotoluene	0.564	U	0.014	0.564
91-58-7	2-Chloronaphthalene	0.564	U	0.015	0.564
95-57-8	2-Chlorophenol	0.564	U	0.00902	0.564
91-57-6	2-Methylnaphthalene	0.113	U	0.016	0.113
88-74-4	2-Nitroaniline	2.86	U	0.037	2.86
88-75-5	2-Nitrophenol	0.564	U	0.022	0.564
91-94-1	3,3'-Dichlorobenzidine	1.13	U	0.071	1.13
99-09-2	3-Nitroaniline	2.86	U	0.016	2.86
534-52-1	2-Methyl-4,6-dinitrophenol	2.86	U	0.030	2.86
59-50-7	4-Chloro-3-methylphenol	0.564	U	0.023	0.564
106-47-8	4-Chloroaniline	0.564	U	0.050	0.564
7005-72-3	4-Chlorophenyl-phenylether	0.564	U	0.015	0.564
83-32-9	Acenaphthene	0.113	U	0.015	0.113
208-96-8	Acenaphthylene	0.113	U	0.017	0.113
98-86-2	Acetophenone	0.564	U	0.012	0.564
62-53-3	Aniline	0.564	U	0.011	0.564
120-12-7	Anthracene	0.113	U	0.016	0.113
1912-24-9	Atrazine (Aatrex)	1.13	U	0.029	1.13
100-52-7	Benzaldehyde	1.13	U	0.043	1.13
92-87-5	Benzidine	2.26	U	0.076	2.26
56-55-3	Benzo(a)anthracene	0.113	U	0.015	0.113
50-32-8	Benzo(a)pyrene	0.113	U	0.015	0.113
205-99-2	Benzo(b)fluoranthene	0.564	U	0.010	0.564

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.5 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: FWPSE04-004-(0-0.5)
Contract:
Lab File ID: 2060805/D1057
Lab Sample ID: 20608043105
Date Collected: 08/02/06 Time: 1420
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2208
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.564	U	0.015	0.564
207-08-9	Benzo(k)fluoranthene	0.564	U	0.023	0.564
65-85-0	Benzoic acid	2.86	U	0.263	2.86
100-51-6	Benzyl alcohol	0.564	U	0.017	0.564
92-52-4	Biphenyl	0.292	JB	0.017	0.564
111-91-1	Bis(2-Chloroethoxy)methane	0.564	U	0.019	0.564
111-44-4	Bis(2-Chloroethyl)ether	0.564	U	0.018	0.564
108-60-1	bis(2-Chloroisopropyl)ether	0.564	U	0.022	0.564
117-81-7	bis(2-ethylhexyl)phthalate	0.052	JB	0.015	0.113
101-55-3	4-Bromophenyl-phenylether	0.564	U	0.014	0.564
85-68-7	Butylbenzylphthalate	0.564	U	0.018	0.564
105-60-2	Caprolactam	0.564	U	0.117	0.564
86-74-8	Carbazole	0.564	U	0.015	0.564
218-01-9	Chrysene	0.564	U	0.013	0.564
84-74-2	Di-n-butylphthalate	0.564	U	0.042	0.564
117-84-0	Di-n-octylphthalate	0.564	U	0.012	0.564
53-70-3	Dibenz(a,h)anthracene	0.113	U	0.014	0.113
132-64-9	Dibenzofuran	0.564	U	0.021	0.564
84-66-2	Diethylphthalate	0.564	U	0.025	0.564
131-11-3	Dimethyl-phthalate	0.564	U	0.019	0.564
105-67-9	2,4-Dimethylphenol	0.564	U	0.038	0.564
206-44-0	Fluoranthene	0.564	U	0.017	0.564
86-73-7	Fluorene	0.113	U	0.015	0.113
118-74-1	Hexachlorobenzene	0.564	U	0.018	0.564
77-47-4	Hexachlorocyclopentadiene	0.564	U	0.012	0.564
67-72-1	Hexachloroethane	0.564	U	0.024	0.564
193-39-5	Indeno(1,2,3-cd)pyrene	0.564	U	0.024	0.564
78-59-1	Isophorone	0.564	U	0.014	0.564
100-01-6	4-Nitroaniline	2.86	U	0.041	2.86

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.5 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: FWPSE04-004-(0-0.5)
Contract:
Lab File ID: 2060805/D1057
Lab Sample ID: 20608043105
Date Collected: 08/02/06 Time: 1420
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2208
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.564	U	0.021	0.564
100-02-7	4-Nitrophenol	2.86	U	0.074	2.86
87-86-5	Pentachlorophenol	2.86	U	0.147	2.86
85-01-8	Phenanthrene	0.113	U	0.018	0.113
108-95-2	Phenol	0.564	U	0.018	0.564
129-00-0	Pyrene	0.564	U	0.018	0.564
110-86-1	Pyridine	0.564	U	0.034	0.564
1319-77-3M	m,p-Cresol	0.564	U	0.021	0.564
621-64-7	N-Nitroso-di-n-propylamine	0.113	U	0.015	0.113
62-75-9	N-Nitrosodimethylamine	0.564	U	0.074	0.564
86-30-6	N-Nitrosodiphenylamine	0.564	U	0.017	0.564
95-48-7	o-Cresol	0.564	U	0.023	0.564

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GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1057.d
Lab Smp Id: 20608043105 Client Smp ID: 20608043105
Inj Date : 05-AUG-2006 22:08
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043105*4482*
Misc Info : 20608043105*MSSV~3868~*080431*30.5-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 47
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

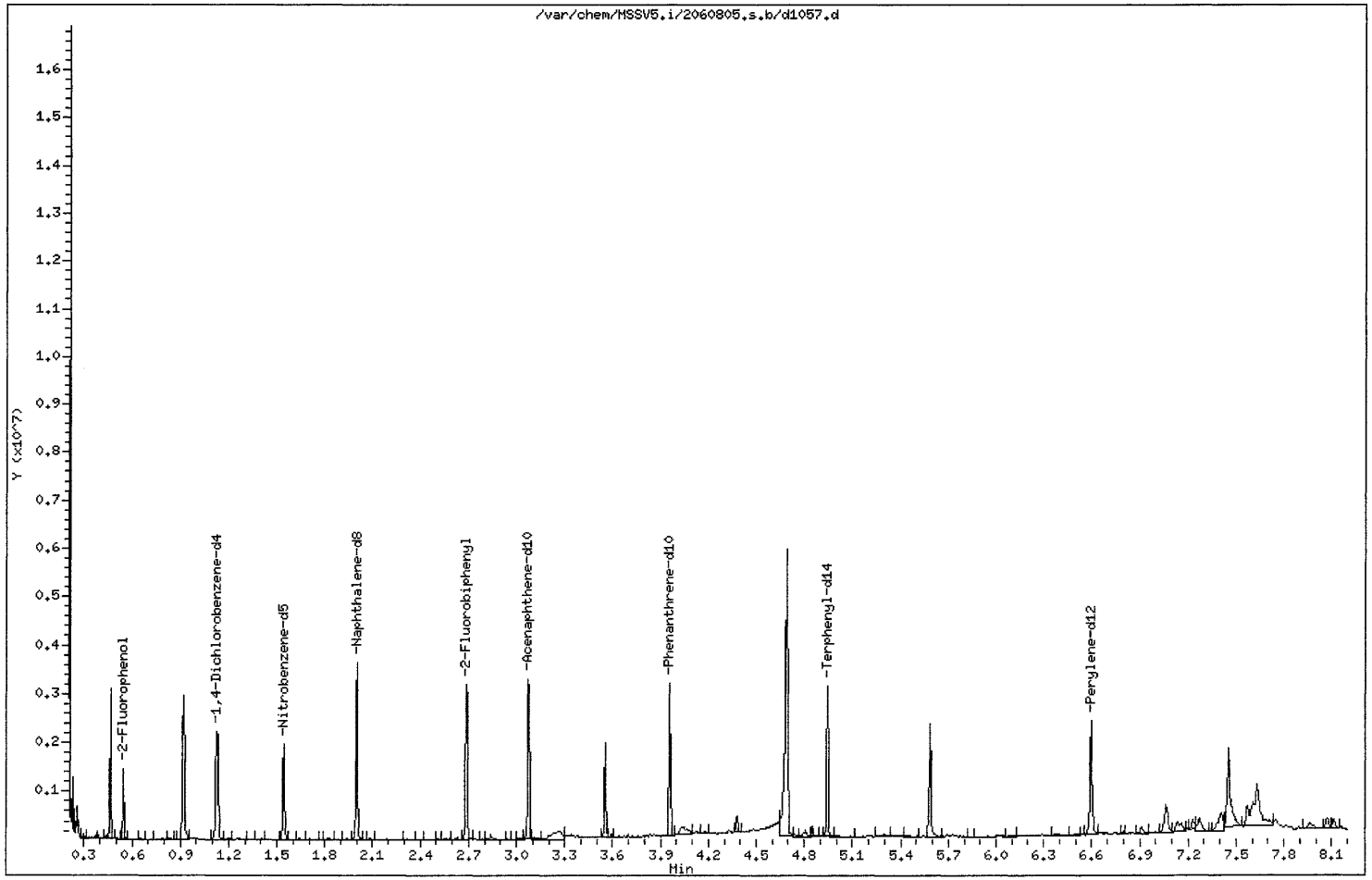
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	0.546	0.540	(0.486)	212495	66.5637	2180
$	4 Phenol-d5	99	0.920	0.920	(0.819)	877859	58.9335	1930
*	10 1,4-Dichlorobenzene-d4	152	1.123	1.123	(1.000)	347884	40.0000	
$	19 Nitrobenzene-d5	82	1.540	1.546	(0.770)	560411	32.7849	1070
	25 Benzoic Acid	122	1.926	1.979	(0.963)	2440	0.43470	14.3
*	28 Naphthalene-d8	136	2.000	2.000	(1.000)	1275174	40.0000	
$	37 2-Fluorobiphenyl	172	2.685	2.690	(0.873)	806108	35.7018	1170
*	44 Acenaphthene-d10	164	3.076	3.076	(1.000)	634749	40.0000	
$	57 2,4,6-Tribromophenol	332	3.552	3.557	(1.155)	176763	62.3580	2040
*	61 Phenanthrene-d10	188	3.958	3.958	(1.000)	835592	40.0000	
$	70 Terphenyl-d14	244	4.942	4.942	(0.885)	678059	32.9253	1080

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 74 Chrysene-d12	240	5.584	5.589	(1.000)	774708	40.0000	
76 bis(2-Ethylhexyl)phthalate	149	5.696	5.696	(1.020)	8426	0.92109	30.2
* 81 Perylene-d12	264	6.595	6.595	(1.000)	897627	40.0000	
157 Biphenyl	154	2.744	2.744	(1.372)	2771	5.13240	168(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060805.s.b/d1057.d
Date : 05-AUG-2006 22:08
Client ID: 20608043105
Instrument: MSSV5.i
Sample Info: 20608043105*4482*
Volume Injected (uL): 1.0
Operator: rrr
Column phase: RTX-5MS-30M
Column diameter: 0.25



167128

493300

Data File: /var/chem/MSSV5.i/2060805.s.b/d1057.d

Date : 05-AUG-2006 22:08

Client ID: 20608043105

Instrument: MSSV5.i

Sample Info: 20608043105*4482*

Volume Injected (uL): 1.0

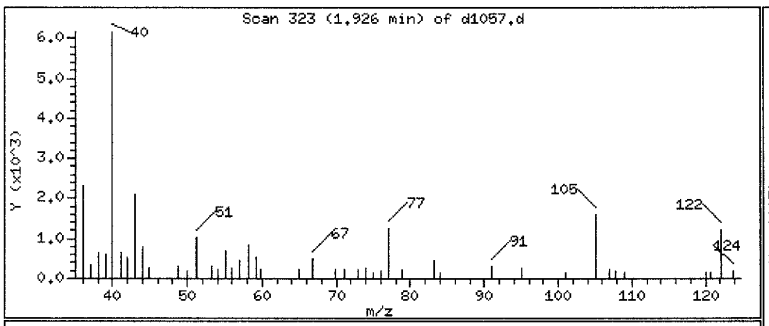
Operator: rrr

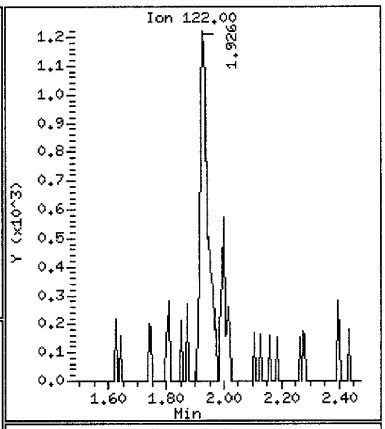
Column phase: RTX-5MS-30M

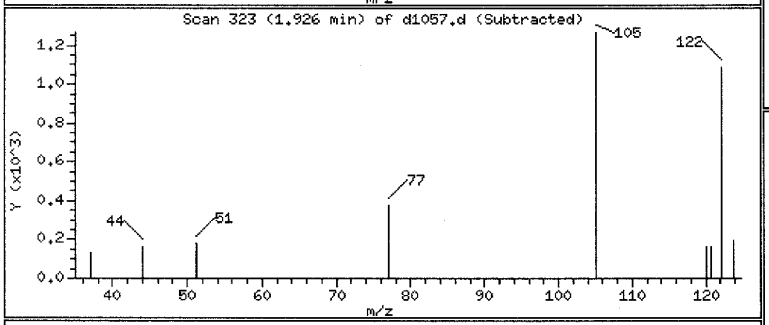
Column diameter: 0.25

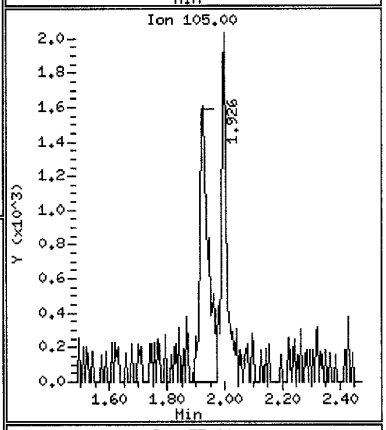
25 Benzoic Acid

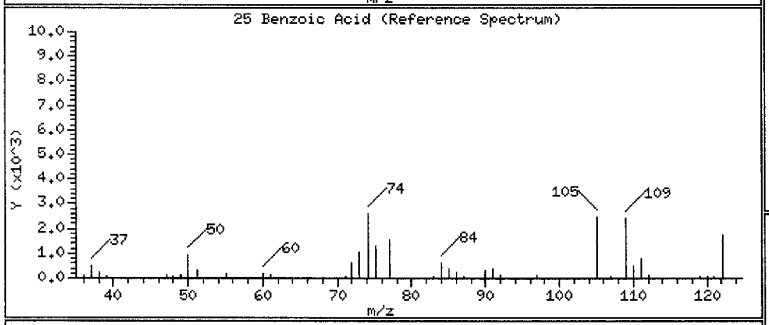
Concentration: 14.3 ug/Kg

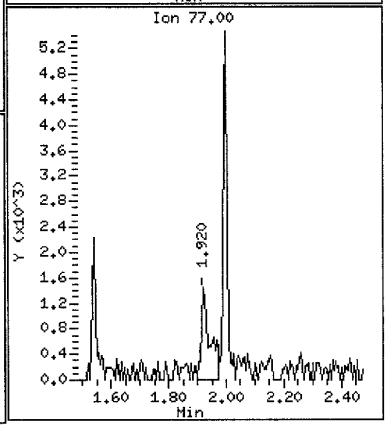


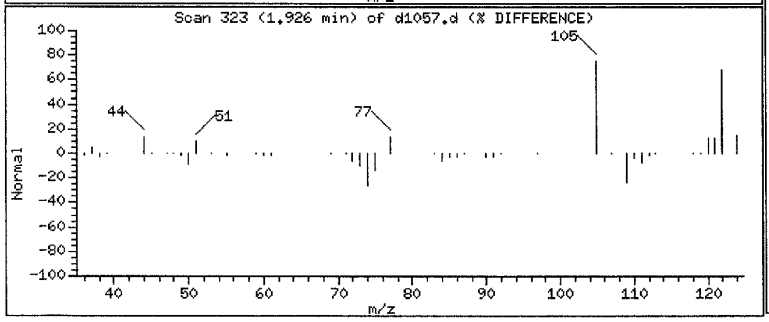












Data File: /var/chem/MSSV5.i/2060805.s.b/d1057.d

Date : 05-AUG-2006 22:08

Client ID: 20608043105

Instrument: MSSV5.i

Sample Info: 20608043105*4482*

Volume Injected (uL): 1.0

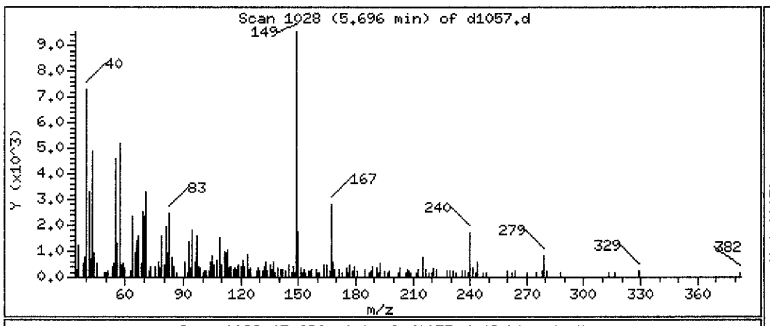
Operator: rrr

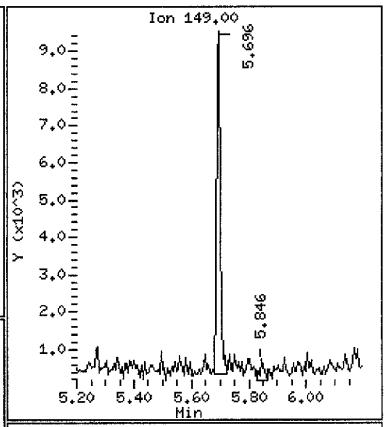
Column phase: RTX-5MS-30M

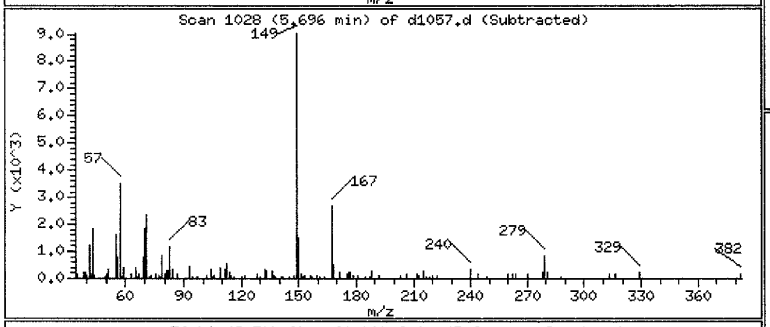
Column diameter: 0.25

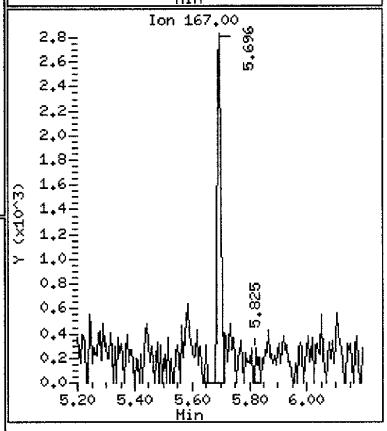
76 bis(2-Ethylhexyl)phthalate

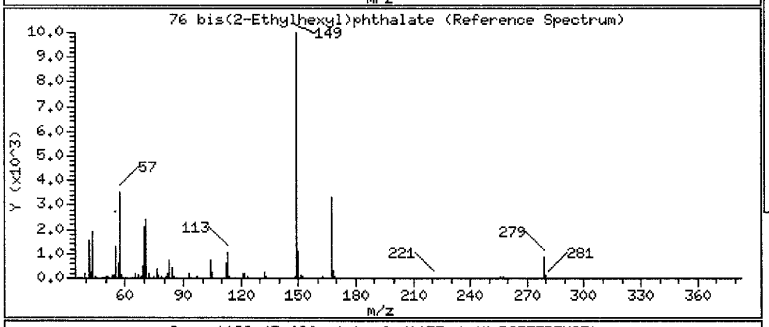
Concentration: 30.2 ug/Kg

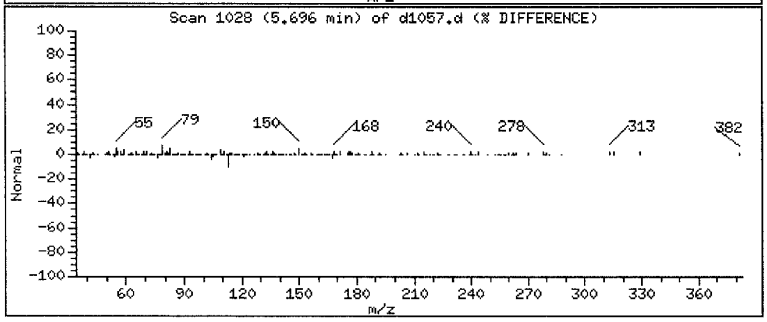












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Data File: /var/chem/MSSV5.i/2060805.s.b/d1057.d

Date : 05-AUG-2006 22:08

Client ID: 20608043105

Instrument: MSSV5.i

Sample Info: 20608043105*4482*

Volume Injected (uL): 1.0

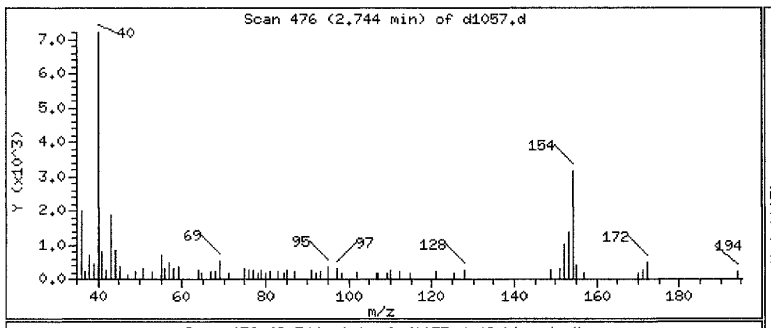
Operator: rrr

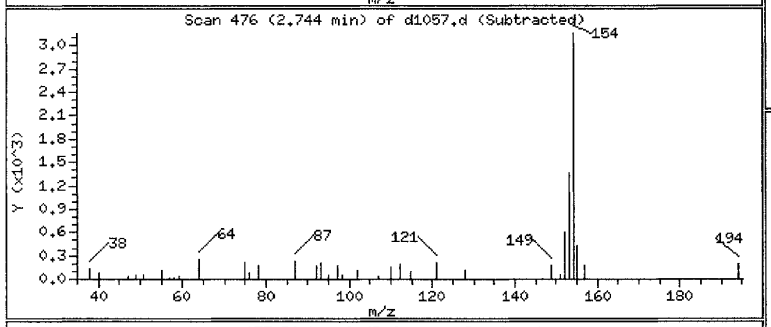
Column phase: RTX-5MS-30M

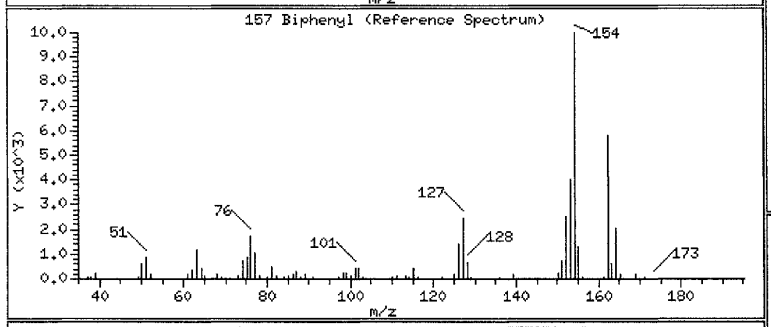
Column diameter: 0.25

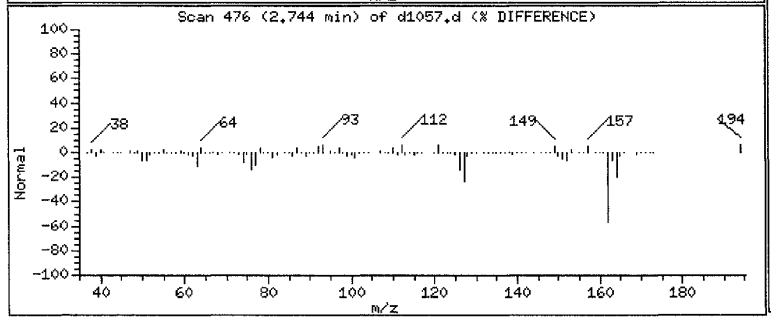
157 Biphenyl

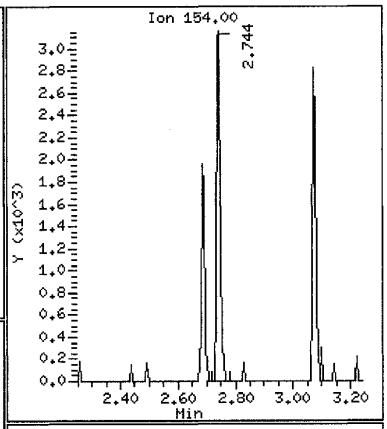
Concentration: 168 ug/Kg

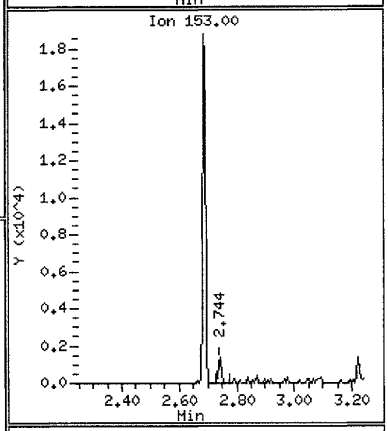


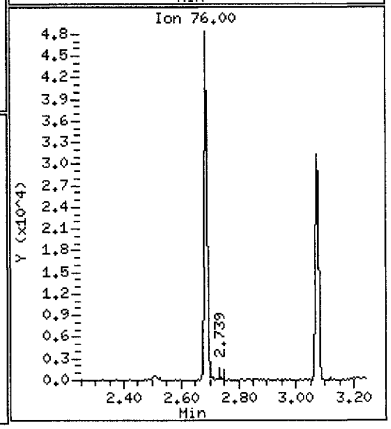












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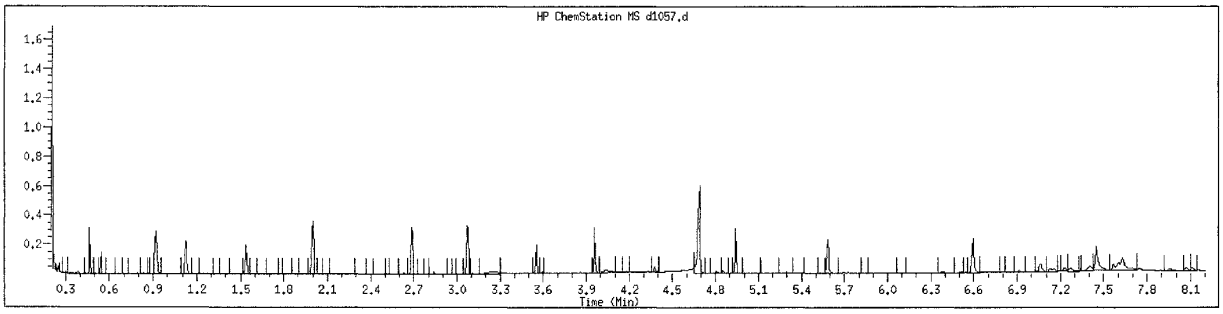
Data file : /var/chem/MSSV5.i/2060805.s.b/d1057.d Page: 1
Report Date: 08/06/2006 09:39

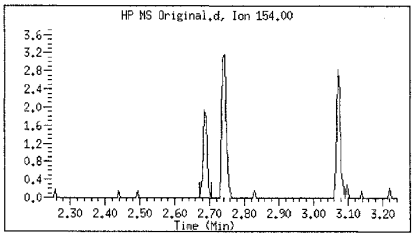
MANUAL INTEGRATION GRAPHIC REPORT

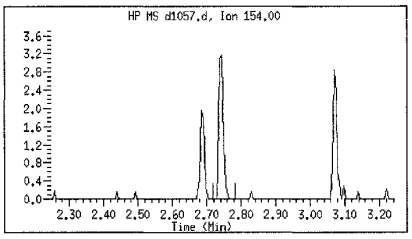
Lab ID : 20608043105 SampleType : SAMPLE
Injection Date: 05-AUG-2006 22:08 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043105*4482*
Misc Info : 20608043105*MSSV~3868~*080431*30.5-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

157 Biphenyl CAS#: 92-52-4





000671

167132

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 56.0 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: FWPSE02-002-(0-0.5)
Contract:
Lab File ID: 2060806/D1073
Lab Sample ID: 20608043106
Date Collected: 08/02/06 Time: 1500
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/06/06 Time: 1621
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329692

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.738	U	0.016	0.738
95-95-4	2,4,5-Trichlorophenol	0.738	U	0.015	0.738
88-06-2	2,4,6-Trichlorophenol	0.738	U	0.033	0.738
120-83-2	2,4-Dichlorophenol	0.738	U	0.019	0.738
51-28-5	2,4-Dinitrophenol	3.73	U	0.126	3.73
121-14-2	2,4-Dinitrotoluene	0.738	U	0.033	0.738
606-20-2	2,6-Dinitrotoluene	0.738	U	0.018	0.738
91-58-7	2-Chloronaphthalene	0.738	U	0.020	0.738
95-57-8	2-Chlorophenol	0.738	U	0.012	0.738
91-57-6	2-Methylnaphthalene	0.148	U	0.021	0.148
88-74-4	2-Nitroaniline	3.73	U	0.048	3.73
88-75-5	2-Nitrophenol	0.738	U	0.029	0.738
91-94-1	3,3'-Dichlorobenzidine	1.48	U	0.093	1.48
99-09-2	3-Nitroaniline	3.73	U	0.020	3.73
534-52-1	2-Methyl-4,6-dinitrophenol	3.73	U	0.039	3.73
59-50-7	4-Chloro-3-methylphenol	0.738	U	0.030	0.738
106-47-8	4-Chloroaniline	0.738	U	0.065	0.738
7005-72-3	4-Chlorophenyl-phenylether	0.738	U	0.020	0.738
83-32-9	Acenaphthene	0.148	U	0.019	0.148
208-96-8	Acenaphthylene	0.148	U	0.022	0.148
98-86-2	Acetophenone	0.738	U	0.016	0.738
62-53-3	Aniline	0.738	U	0.014	0.738
120-12-7	Anthracene	0.148	U	0.021	0.148
1912-24-9	Atrazine (Aatrex)	1.48	U	0.038	1.48
100-52-7	Benzaldehyde	1.48	U	0.056	1.48
92-87-5	Benzidine	2.95	U	0.100	2.95
56-55-3	Benzo(a)anthracene	0.148	U	0.020	0.148
50-32-8	Benzo(a)pyrene	0.148	U	0.020	0.148
205-99-2	Benzo(b)fluoranthene	0.106	J	0.014	0.738

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 56.0 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: FWPSE02-002-(0-0.5)
Contract:
Lab File ID: 2060806/D1073
Lab Sample ID: 20608043106
Date Collected: 08/02/06 Time: 1500
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/06/06 Time: 1621
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329692

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.738	U	0.020	0.738
207-08-9	Benzo(k)fluoranthene	0.738	U	0.030	0.738
65-85-0	Benzoic acid	3.73	U	0.344	3.73
100-51-6	Benzyl alcohol	0.738	U	0.022	0.738
92-52-4	Biphenyl	0.384	JB	0.022	0.738
111-91-1	Bis(2-Chloroethoxy)methane	0.738	U	0.025	0.738
111-44-4	Bis(2-Chloroethyl)ether	0.738	U	0.023	0.738
108-60-1	bis(2-Chloroisopropyl)ether	0.738	U	0.029	0.738
117-81-7	bis(2-ethylhexyl)phthalate	0.093	JB	0.020	0.148
101-55-3	4-Bromophenyl-phenylether	0.738	U	0.018	0.738
85-68-7	Butylbenzylphthalate	0.738	U	0.024	0.738
105-60-2	Caprolactam	0.738	U	0.153	0.738
86-74-8	Carbazole	0.738	U	0.019	0.738
218-01-9	Chrysene	0.738	U	0.017	0.738
84-74-2	Di-n-butylphthalate	0.738	U	0.055	0.738
117-84-0	Di-n-octylphthalate	0.738	U	0.016	0.738
53-70-3	Dibenz(a,h)anthracene	0.148	U	0.019	0.148
132-64-9	Dibenzofuran	0.738	U	0.027	0.738
84-66-2	Diethylphthalate	0.738	U	0.033	0.738
131-11-3	Dimethyl-phthalate	0.738	U	0.024	0.738
105-67-9	2,4-Dimethylphenol	0.738	U	0.050	0.738
206-44-0	Fluoranthene	0.738	U	0.022	0.738
86-73-7	Fluorene	0.148	U	0.019	0.148
118-74-1	Hexachlorobenzene	0.738	U	0.024	0.738
77-47-4	Hexachlorocyclopentadiene	0.738	U	0.016	0.738
67-72-1	Hexachloroethane	0.738	U	0.031	0.738
193-39-5	Indeno(1,2,3-cd)pyrene	0.738	U	0.031	0.738
78-59-1	Isophorone	0.738	U	0.019	0.738
100-01-6	4-Nitroaniline	3.73	U	0.053	3.73

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 56.0 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: FWPSE02-002-(0-0.5)
Contract:
Lab File ID: 2060806/D1073
Lab Sample ID: 20608043106
Date Collected: 08/02/06 Time: 1500
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/06/06 Time: 1621
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329692

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.738	U	0.028	0.738
100-02-7	4-Nitrophenol	3.73	U	0.097	3.73
87-86-5	Pentachlorophenol	3.73	U	0.192	3.73
85-01-8	Phenanthrene	0.148	U	0.024	0.148
108-95-2	Phenol	0.738	U	0.024	0.738
129-00-0	Pyrene	0.738	U	0.023	0.738
110-86-1	Pyridine	0.738	U	0.044	0.738
1319-77-3M	m,p-Cresol	0.738	U	0.027	0.738
621-64-7	N-Nitroso-di-n-propylamine	0.148	U	0.020	0.148
62-75-9	N-Nitrosodimethylamine	0.738	U	0.096	0.738
86-30-6	N-Nitrosodiphenylamine	0.738	U	0.022	0.738
95-48-7	o-Cresol	0.738	U	0.030	0.738

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060806.s.b/d1073.d
Lab Smp Id: 20608043106 Client Smp ID: 20608043106
Inj Date : 06-AUG-2006 16:21
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043106*4482*
Misc Info : 20608043106*MSSV~3869~*080431*30.5-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 19:08 rrr Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula:
Amt * DF * (Uf * Vt/(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)	FINAL (ug/Kg)
$	3 2-Fluorophenol	112	0.530	0.524	(0.485)	194086	89.9211	2950
$	4 Phenol-d5	99	0.894	0.893	(0.819)	731737	72.6559	2380
*	10 1,4-Dichlorobenzene-d4	152	1.091	1.091	(1.000)	235210	40.0000	
$	19 Nitrobenzene-d5	82	1.509	1.514	(0.766)	509136	42.9028	1410
	25 Benzoic Acid	122	1.894	1.958	(0.962)	1254	0.32180	10.6
*	28 Naphthalene-d8	136	1.969	1.974	(1.000)	885288	40.0000	
$	37 2-Fluorobiphenyl	172	2.664	2.664	(0.875)	684254	44.6780	1460
*	44 Acenaphthene-d10	164	3.044	3.049	(1.000)	430549	40.0000	
$	57 2,4,6-Tribromophenol	332	3.525	3.530	(1.158)	158459	82.4132	2700
*	61 Phenanthrene-d10	188	3.932	3.932	(1.000)	563295	40.0000	
	65 Di-n-butylphthalate	149	4.349	4.349	(1.106)	3601	0.23885	7.83

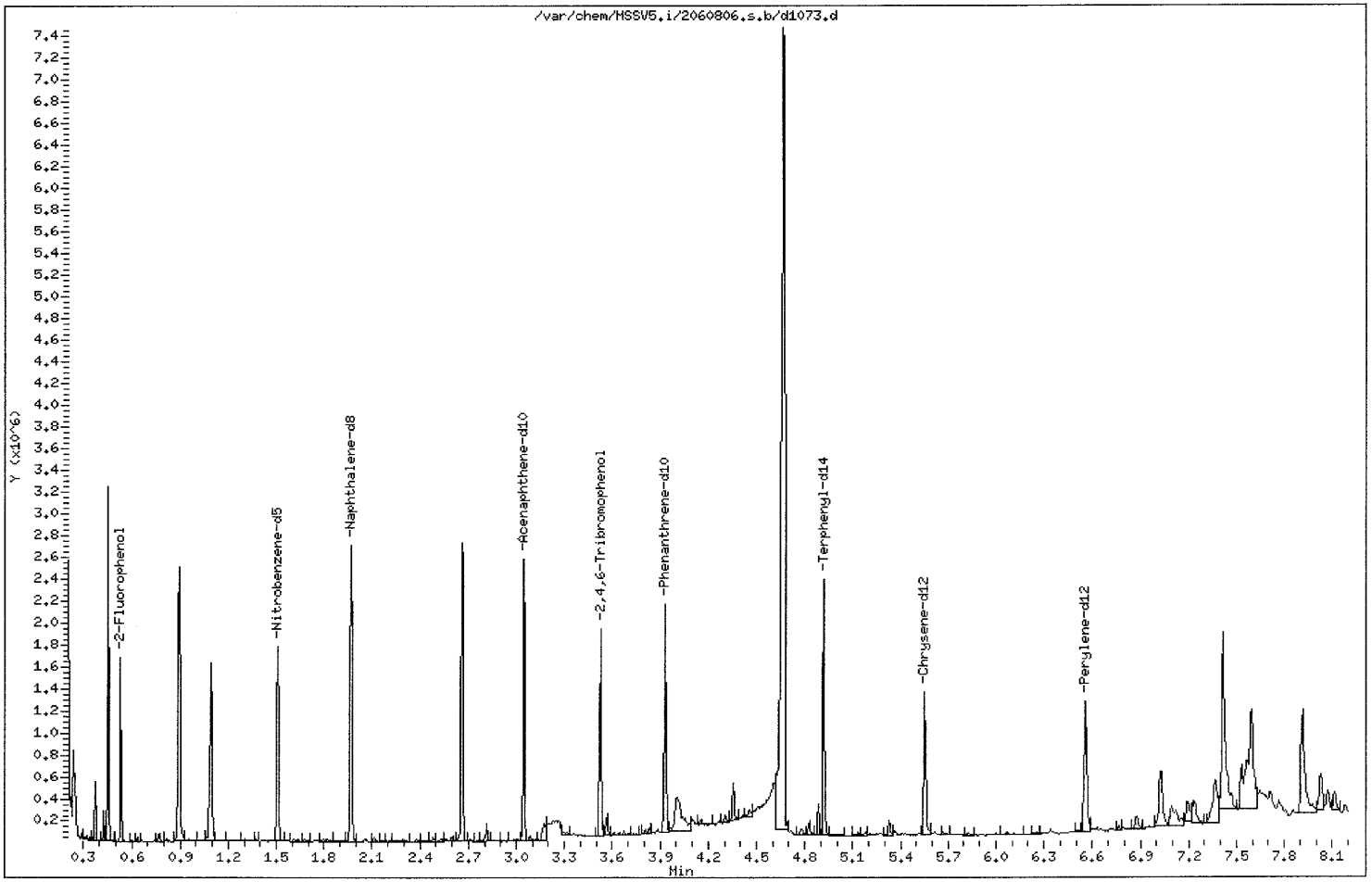
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 70 Terphenyl-d14	244	4.916	4.916	(0.885)	549652	49.8424	1630
* 74 Chrysene-d12	240	5.552	5.558	(1.000)	414848	40.0000	
76 bis(2-Ethylhexyl)phthalate	149	5.665	5.670	(1.020)	7025	1.24376	40.8
78 Benzo(b)fluoranthene	252	6.296	6.301	(0.960)	1219	1.42860	46.8
* 81 Perylene-d12	264	6.558	6.558	(1.000)	470869	40.0000	
156 Caprolactam	113	2.268	2.300	(1.152)	603	0.24798	8.13
157 Biphenyl	154	2.717	2.717	(1.380)	2624	5.15409	169(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d
Date : 06-AUG-2006 16:21
Client ID: 20608043106
Sample Info: 20608043106*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



000677

Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d

Date : 06-AUG-2006 16:21

Client ID: 20608043106

Instrument: MSSV5.i

Sample Info: 20608043106*4482*

Volume Injected (uL): 1.0

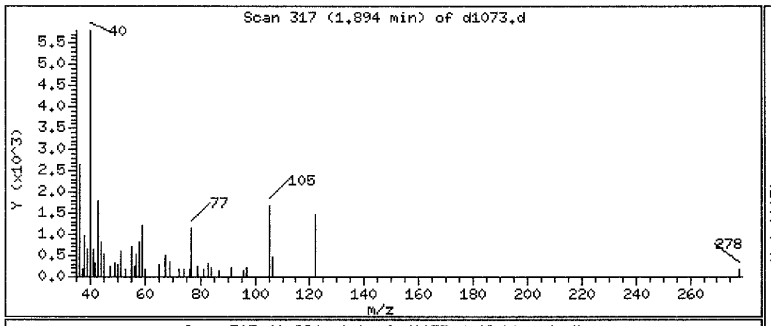
Operator: rrr

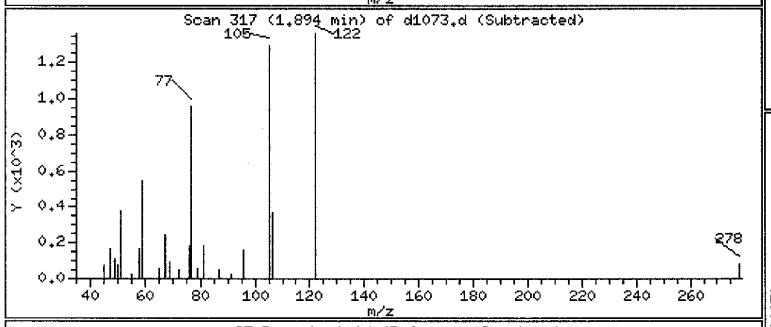
Column phase: RTX-5MS-30M

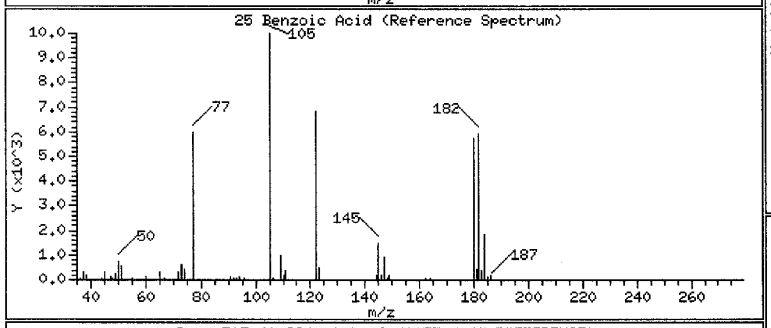
Column diameter: 0.25

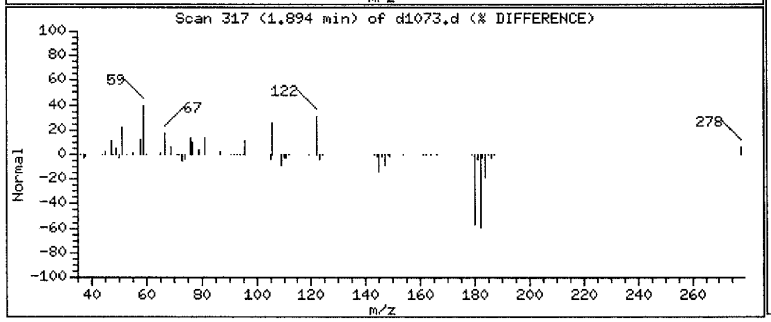
25 Benzoic Acid

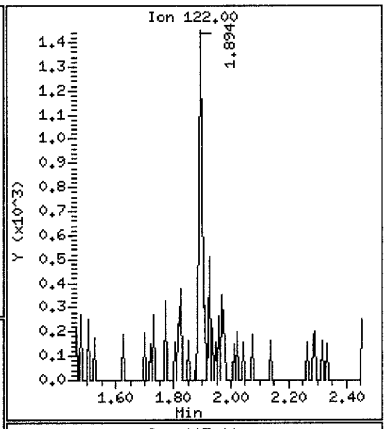
Concentration: 10.6 ug/Kg

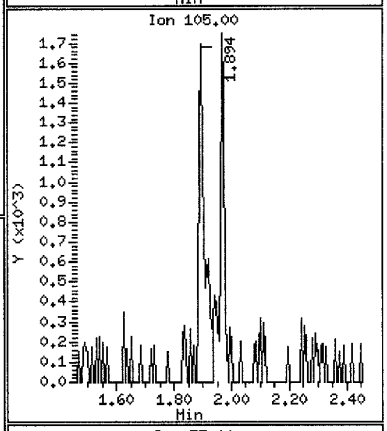


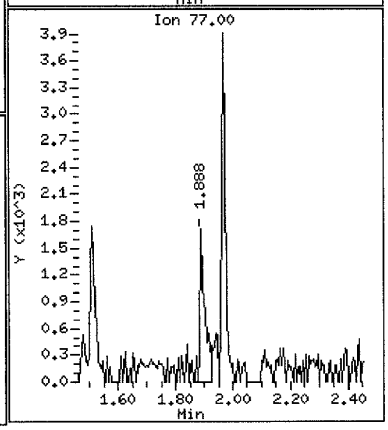












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167139

Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d

Date : 06-AUG-2006 16:21

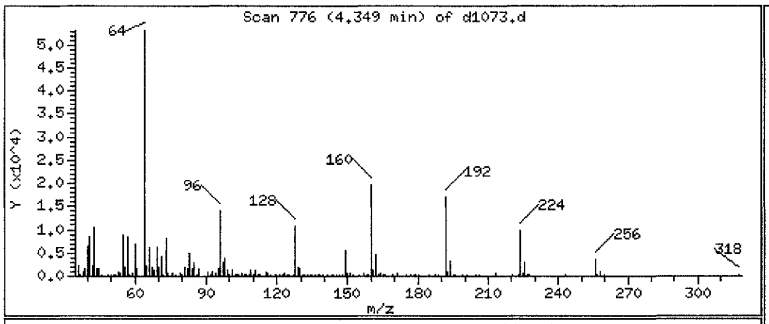
Client ID: 20608043106 Instrument: MSSV5.i

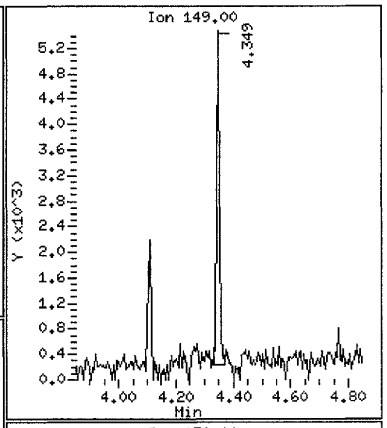
Sample Info: 20608043106*4482*

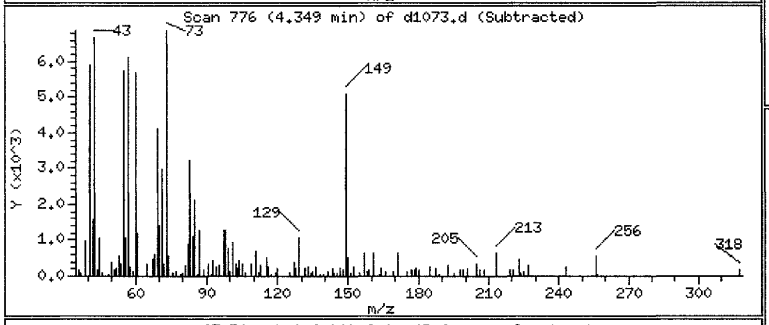
Volume Injected (uL): 1.0 Operator: rrr

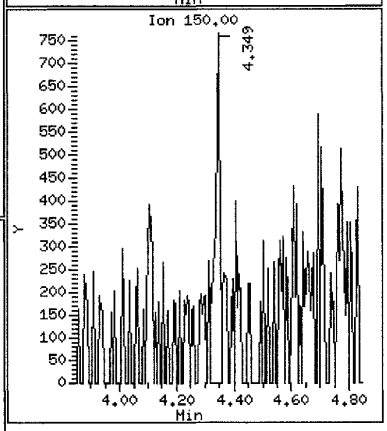
Column phase: RTX-5MS-30M Column diameter: 0.25

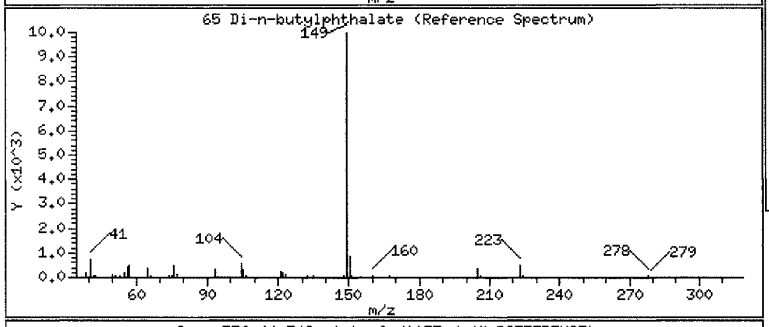
65 Di-n-butylphthalate Concentration: 7.83 ug/Kg

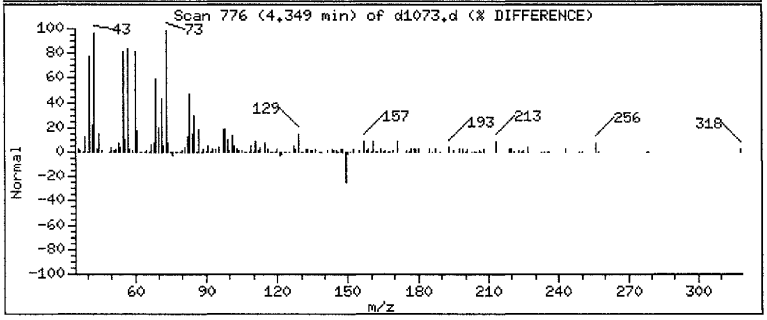












Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d

Date : 06-AUG-2006 16:21

Client ID: 20608043106

Instrument: MSSV5.i

Sample Info: 20608043106*4482*

Volume Injected (uL): 1.0

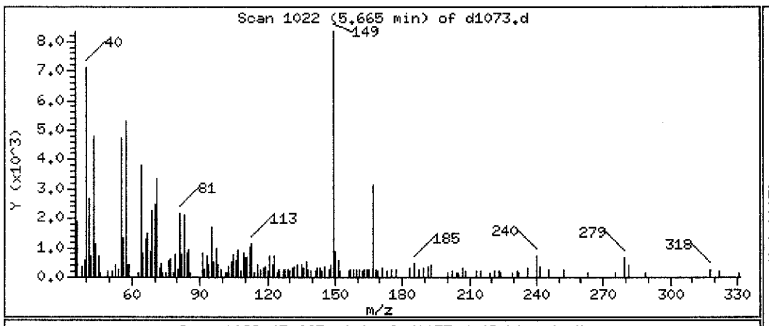
Operator: rrr

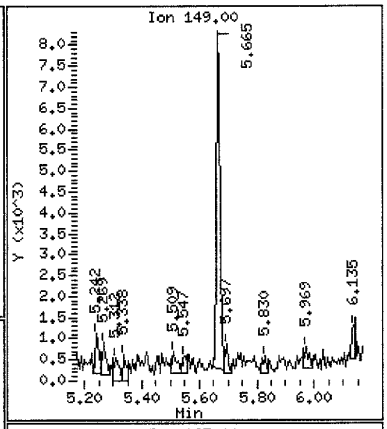
Column phase: RTX-5MS-30M

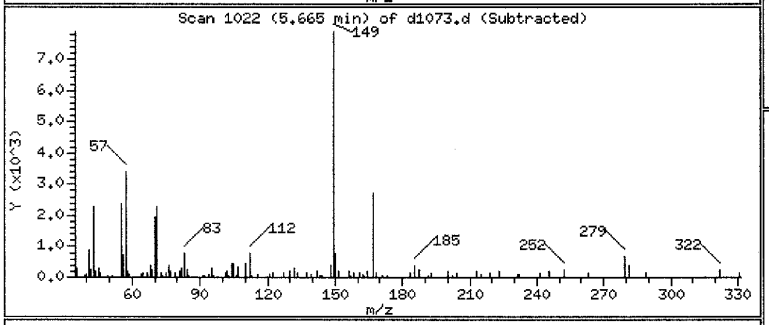
Column diameter: 0.25

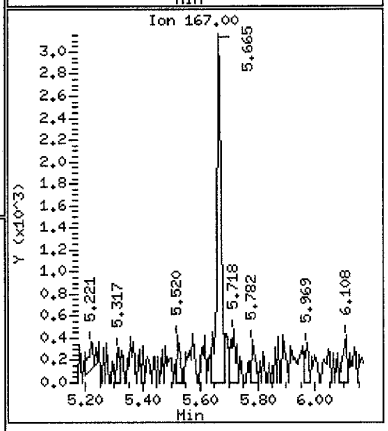
76 bis(2-Ethylhexyl)phthalate

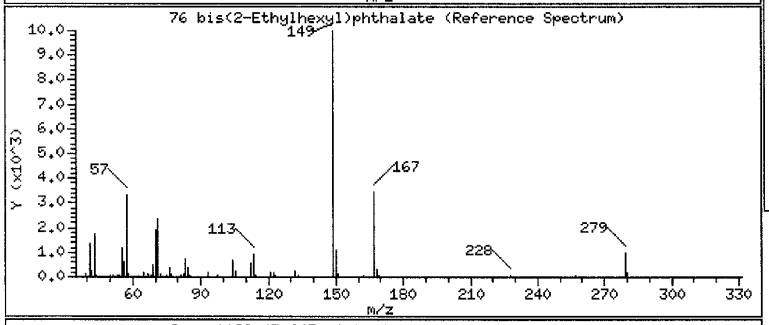
Concentration: 40.8 ug/Kg

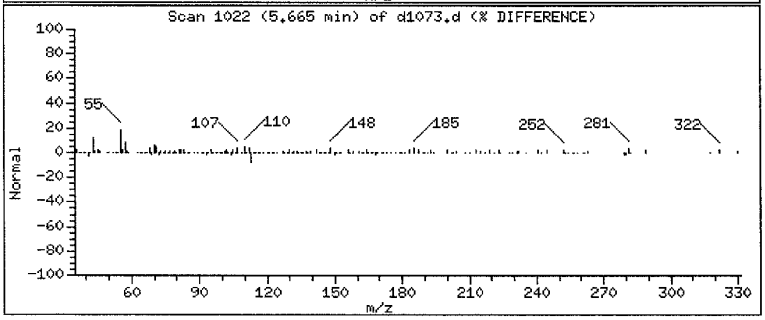












Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d

Date : 06-AUG-2006 16:21

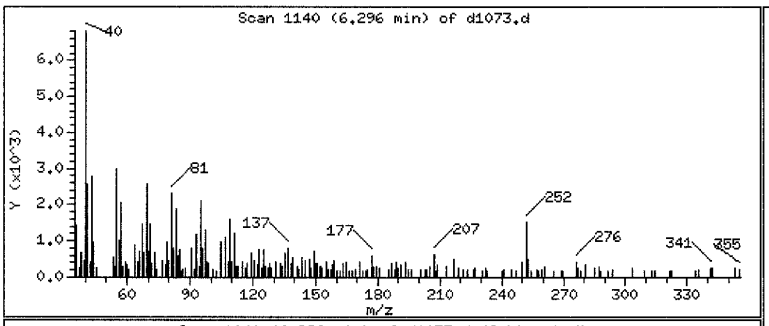
Client ID: 20608043106 Instrument: MSSV5.i

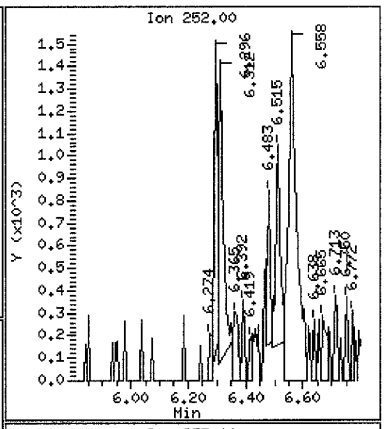
Sample Info: 20608043106*4482*

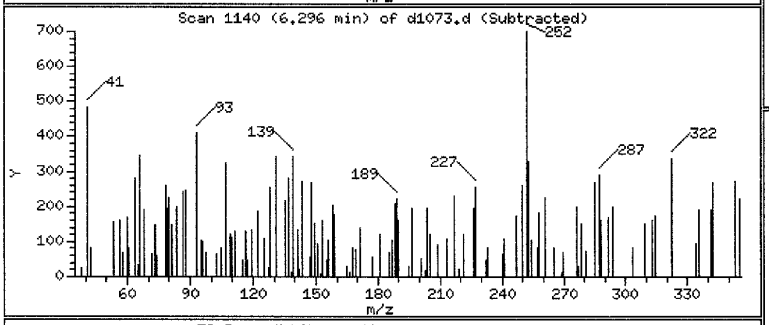
Volume Injected (uL): 1.0 Operator: rrr

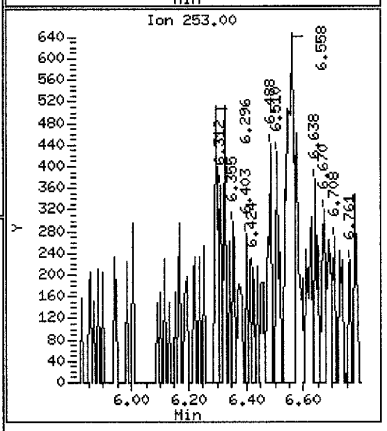
Column phase: RTX-5MS-30M Column diameter: 0.25

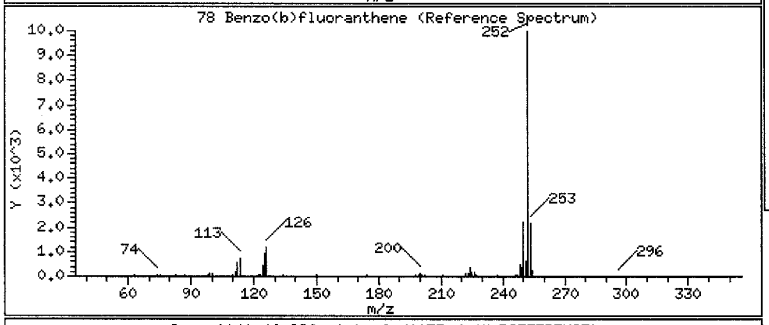
78 Benzo(b)fluoranthene Concentration: 46.8 ug/Kg

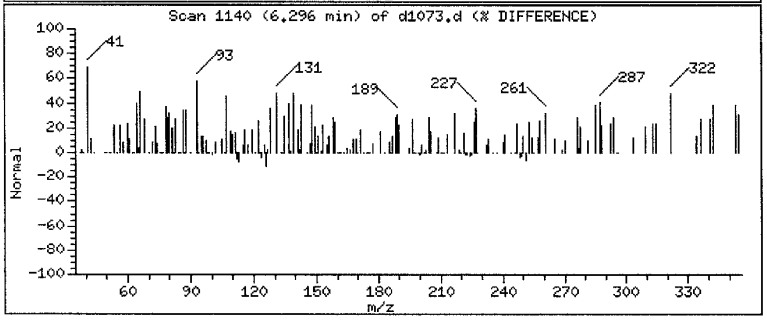












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167142

Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d

Date : 06-AUG-2006 16:21

Client ID: 20608043106

Instrument: MSSV5.i

Sample Info: 20608043106*4482*

Volume Injected (uL): 1.0

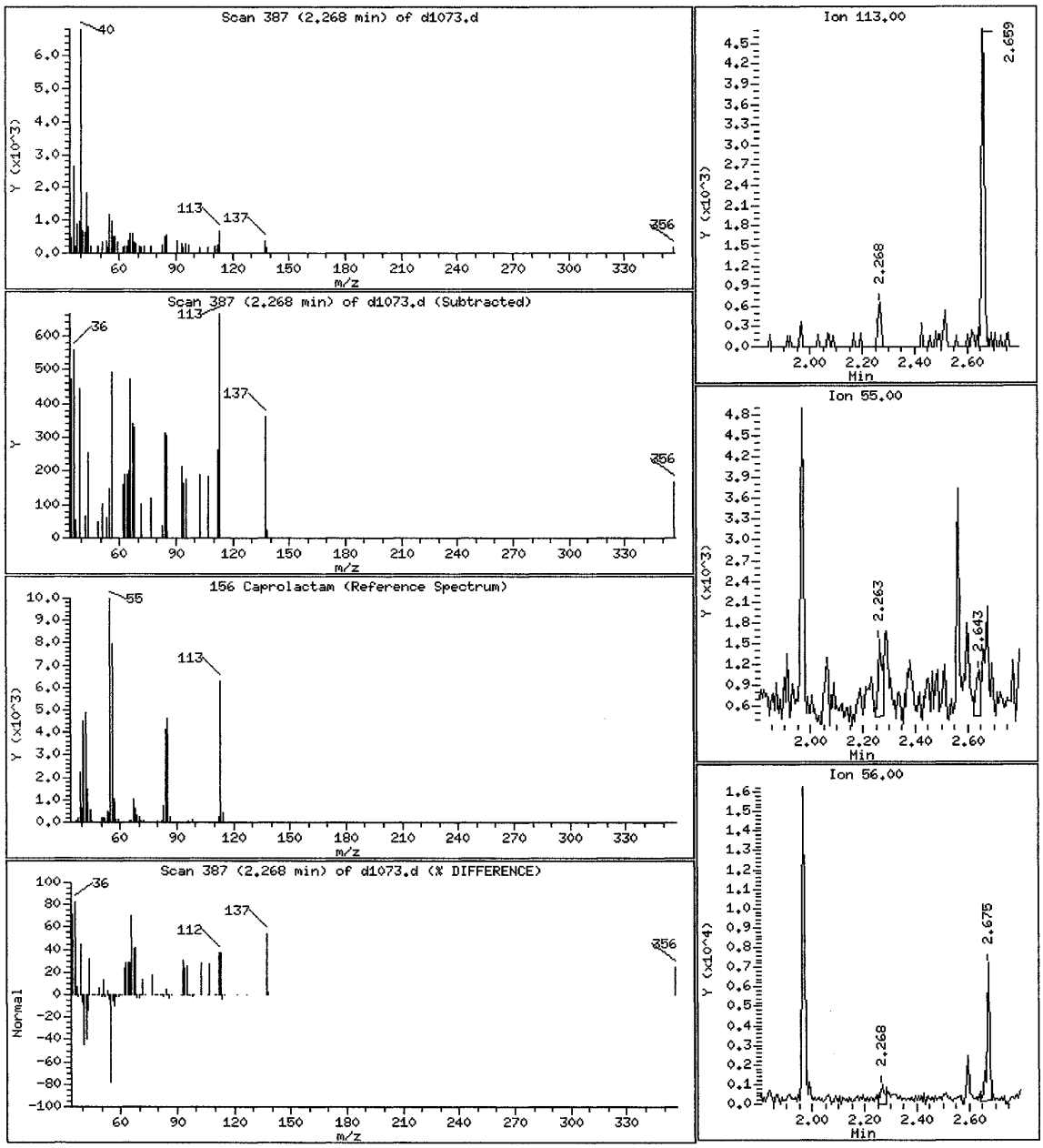
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

156 Caprolactam

Concentration: 8.13 ug/Kg



Data File: /var/chem/MSSV5.i/2060806.s.b/d1073.d

Date : 06-AUG-2006 16:21

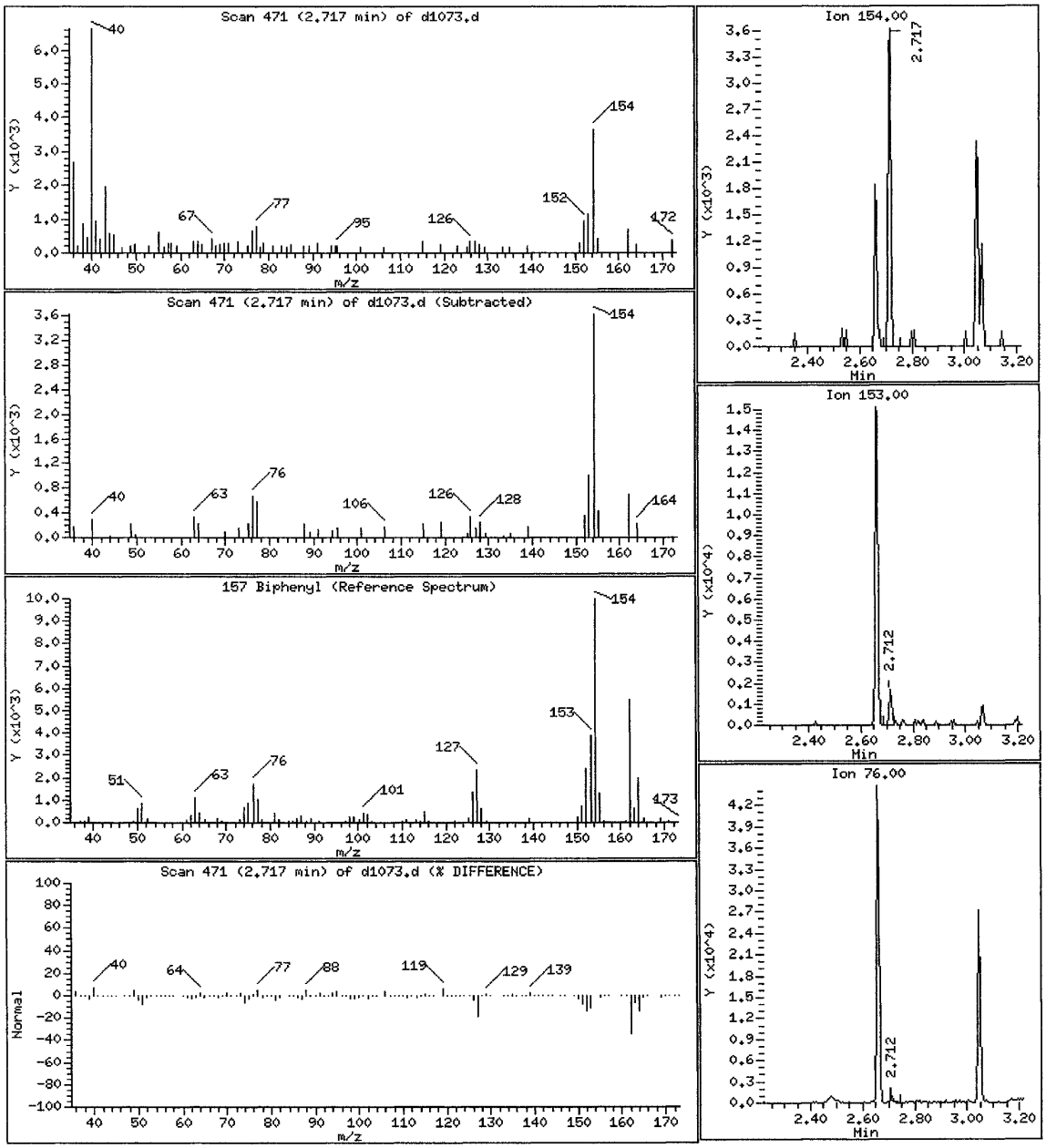
Client ID: 20608043106 Instrument: MSSV5.i

Sample Info: 20608043106*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

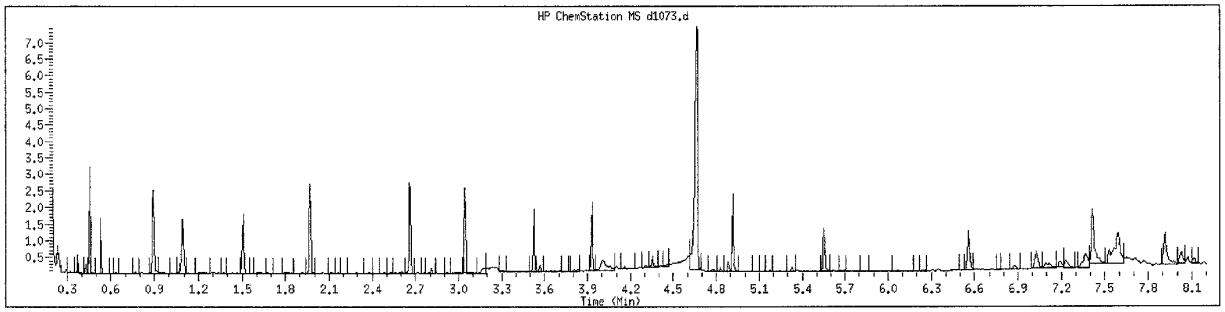
157 Biphenyl Concentration: 169 ug/Kg



Data file : /var/chem/MSSV5.i/2060806.s.b/d1073.d Page: 1
Report Date: 08/06/2006 19:14

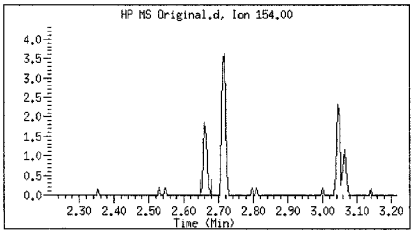
MANUAL INTEGRATION GRAPHIC REPORT

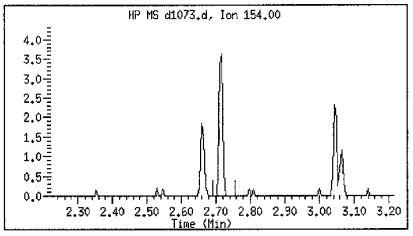
Lab ID : 20608043106 SampleType : SAMPLE
Injection Date: 06-AUG-2006 16:21 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043106*4482*
Misc Info : 20608043106*MSSV~3869~*080431*30.5-1*329588*
Method : /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

157 Biphenyl CAS#: 92-52-4





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167145

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 44.4 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: FWPSE03-003-(0-0.5)
Contract:
Lab File ID: 2060805/D1059
Lab Sample ID: 20608043107
Date Collected: 08/02/06 Time: 1525
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2236
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.583	U	0.013	0.583
95-95-4	2,4,5-Trichlorophenol	0.583	U	0.012	0.583
88-06-2	2,4,6-Trichlorophenol	0.583	U	0.026	0.583
120-83-2	2,4-Dichlorophenol	0.583	U	0.015	0.583
51-28-5	2,4-Dinitrophenol	2.95	U	0.100	2.95
121-14-2	2,4-Dinitrotoluene	0.583	U	0.026	0.583
606-20-2	2,6-Dinitrotoluene	0.583	U	0.014	0.583
91-58-7	2-Chloronaphthalene	0.583	U	0.016	0.583
95-57-8	2-Chlorophenol	0.583	U	0.00933	0.583
91-57-6	2-Methylnaphthalene	0.117	U	0.017	0.117
88-74-4	2-Nitroaniline	2.95	U	0.038	2.95
88-75-5	2-Nitrophenol	0.583	U	0.023	0.583
91-94-1	3,3'-Dichlorobenzidine	1.17	U	0.073	1.17
99-09-2	3-Nitroaniline	2.95	U	0.016	2.95
534-52-1	2-Methyl-4,6-dinitrophenol	2.95	U	0.031	2.95
59-50-7	4-Chloro-3-methylphenol	0.583	U	0.023	0.583
106-47-8	4-Chloroaniline	0.583	U	0.051	0.583
7005-72-3	4-Chlorophenyl-phenylether	0.583	U	0.016	0.583
83-32-9	Acenaphthene	0.117	U	0.015	0.117
208-96-8	Acenaphthylene	0.117	U	0.017	0.117
98-86-2	Acetophenone	0.583	U	0.013	0.583
62-53-3	Aniline	0.583	U	0.011	0.583
120-12-7	Anthracene	0.117	U	0.017	0.117
1912-24-9	Atrazine (Aatrex)	1.17	U	0.030	1.17
100-52-7	Benzaldehyde	1.17	U	0.045	1.17
92-87-5	Benzidine	2.33	U	0.079	2.33
56-55-3	Benzo(a)anthracene	0.117	U	0.016	0.117
50-32-8	Benzo(a)pyrene	0.117	U	0.015	0.117
205-99-2	Benzo(b)fluoranthene	0.583	U	0.011	0.583

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 44.4 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: FWPSE03-003-(0-0.5)
Contract:
Lab File ID: 2060805/D1059
Lab Sample ID: 20608043107
Date Collected: 08/02/06 Time: 1525
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2236
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.583	U	0.015	0.583
207-08-9	Benzo(k)fluoranthene	0.583	U	0.024	0.583
65-85-0	Benzoic acid	2.95	U	0.272	2.95
100-51-6	Benzyl alcohol	0.583	U	0.017	0.583
92-52-4	Biphenyl	0.302	JB	0.017	0.583
111-91-1	Bis(2-Chloroethoxy)methane	0.583	U	0.020	0.583
111-44-4	Bis(2-Chloroethyl)ether	0.583	U	0.018	0.583
108-60-1	bis(2-Chloroisopropyl)ether	0.583	U	0.023	0.583
117-81-7	bis(2-ethylhexyl)phthalate	0.038	JB	0.016	0.117
101-55-3	4-Bromophenyl-phenylether	0.583	U	0.014	0.583
85-68-7	Butylbenzylphthalate	0.583	U	0.019	0.583
105-60-2	Caprolactam	0.583	U	0.121	0.583
86-74-8	Carbazole	0.583	U	0.015	0.583
218-01-9	Chrysene	0.583	U	0.014	0.583
84-74-2	Di-n-butylphthalate	0.583	U	0.044	0.583
117-84-0	Di-n-octylphthalate	0.583	U	0.013	0.583
53-70-3	Dibenz(a,h)anthracene	0.117	U	0.015	0.117
132-64-9	Dibenzofuran	0.583	U	0.022	0.583
84-66-2	Diethylphthalate	0.583	U	0.026	0.583
131-11-3	Dimethyl-phthalate	0.583	U	0.019	0.583
105-67-9	2,4-Dimethylphenol	0.583	U	0.040	0.583
206-44-0	Fluoranthene	0.583	U	0.017	0.583
86-73-7	Fluorene	0.117	U	0.015	0.117
118-74-1	Hexachlorobenzene	0.583	U	0.019	0.583
77-47-4	Hexachlorocyclopentadiene	0.583	U	0.013	0.583
67-72-1	Hexachloroethane	0.583	U	0.024	0.583
193-39-5	Indeno(1,2,3-cd)pyrene	0.583	U	0.025	0.583
78-59-1	Isophorone	0.583	U	0.015	0.583
100-01-6	4-Nitroaniline	2.95	U	0.042	2.95

000686

167147

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 44.4 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: FWPSE03-003-(0-0.5)
Contract:
Lab File ID: 2060805/D1059
Lab Sample ID: 20608043107
Date Collected: 08/02/06 Time: 1525
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2236
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.583	U	0.022	0.583
100-02-7	4-Nitrophenol	2.95	U	0.077	2.95
87-86-5	Pentachlorophenol	2.95	U	0.152	2.95
85-01-8	Phenanthrene	0.117	U	0.019	0.117
108-95-2	Phenol	0.583	U	0.019	0.583
129-00-0	Pyrene	0.583	U	0.018	0.583
110-86-1	Pyridine	0.583	U	0.035	0.583
1319-77-3M	m,p-Cresol	0.583	U	0.022	0.583
621-64-7	N-Nitroso-di-n-propylamine	0.117	U	0.016	0.117
62-75-9	N-Nitrosodimethylamine	0.583	U	0.076	0.583
86-30-6	N-Nitrosodiphenylamine	0.583	U	0.017	0.583
95-48-7	o-Cresol	0.583	U	0.024	0.583

000687

167148

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1059.d
Lab Smp Id: 20608043107 Client Smp ID: 20608043107
Inj Date : 05-AUG-2006 22:36
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043107*4482*
Misc Info : 20608043107*MSSV~3868~*080431*30.5-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 49
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	0.540	0.540	(0.481)	200426	64.6596	2120
$ 4 Phenol-d5	99	0.920	0.920	(0.819)	856892	59.2453	1940
* 10 1,4-Dichlorobenzene-d4	152	1.123	1.123	(1.000)	337788	40.0000	
$ 19 Nitrobenzene-d5	82	1.541	1.546	(0.770)	534821	32.1005	1050
* 28 Naphthalene-d8	136	2.001	2.000	(1.000)	1242892	40.0000	
$ 37 2-Fluorobiphenyl	172	2.691	2.690	(0.876)	768181	33.7256	1110
* 44 Acenaphthene-d10	164	3.070	3.076	(1.000)	640329	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.552	3.557	(1.157)	181463	63.4582	2080
* 61 Phenanthrene-d10	188	3.958	3.958	(1.000)	847710	40.0000	
$ 70 Terphenyl-d14	244	4.942	4.942	(0.885)	695092	33.3974	1090
* 74 Chrysene-d12	240	5.584	5.589	(1.000)	782942	40.0000	

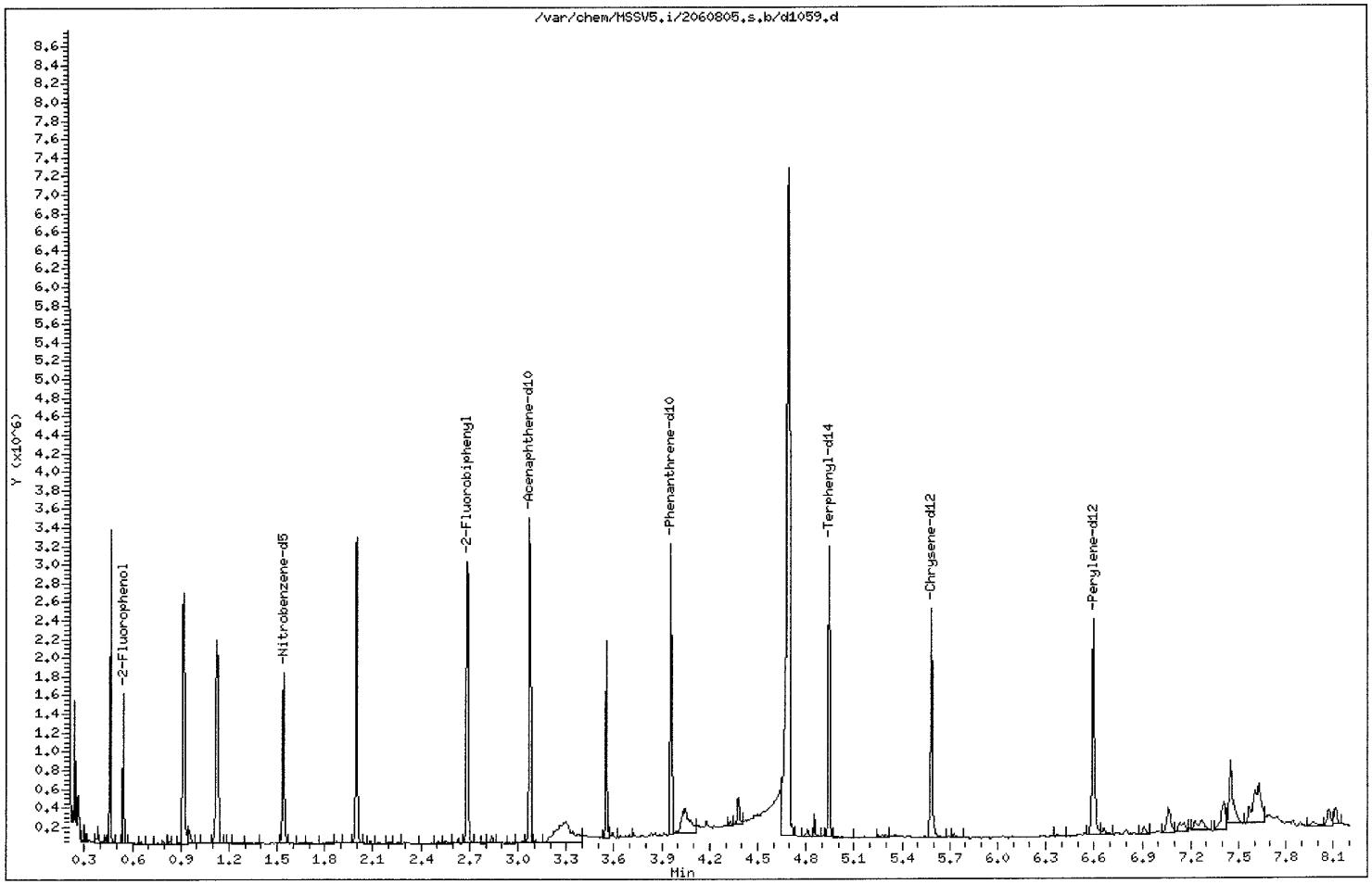
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.697	5.696	(1.020)	4582	0.65347	21.4
* 81 Perylene-d12	264	6.595	6.595	(1.000)	894203	40.0000	
157 Biphenyl	154	2.744	2.744	(1.372)	2413	5.12606	168(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060805.s.b/d1059.d
Date : 05-AUG-2006 22:36
Client ID: 20608043107
Sample Info: 20608043107*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



000690

Data File: /var/chem/MSSV5.i/2060805.s.b/d1059.d

Date : 05-AUG-2006 22:36

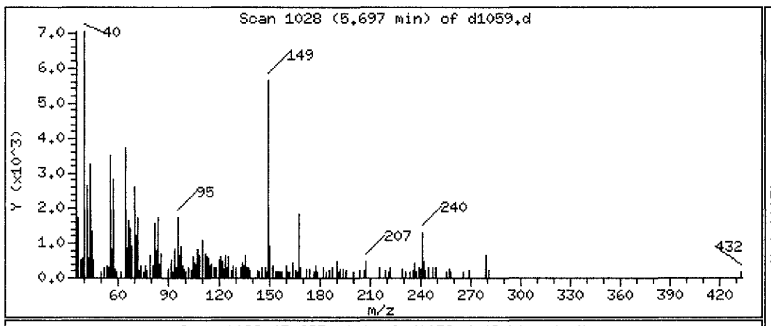
Client ID: 20608043107 Instrument: MSSV5.i

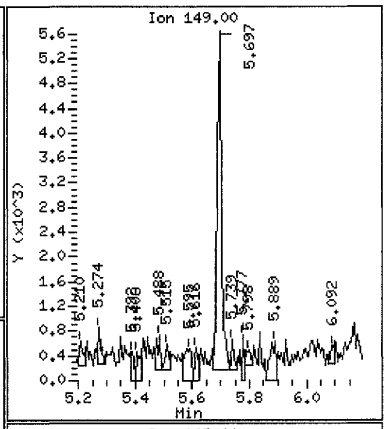
Sample Info: 20608043107*4482*

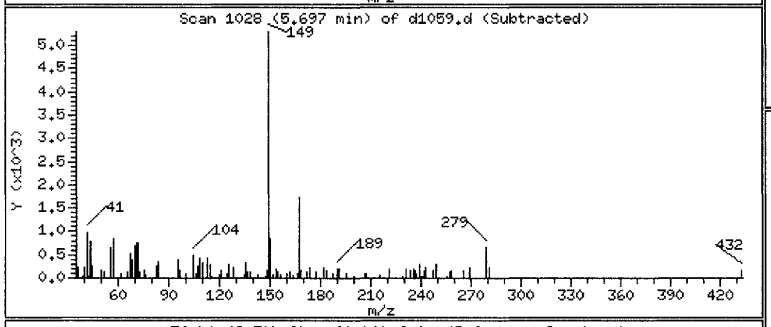
Volume Injected (uL): 1.0 Operator: rrr

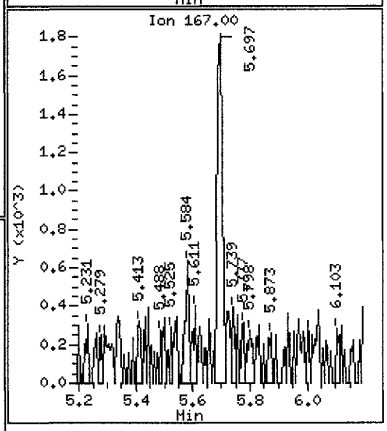
Column phase: RTX-5MS-30M Column diameter: 0.25

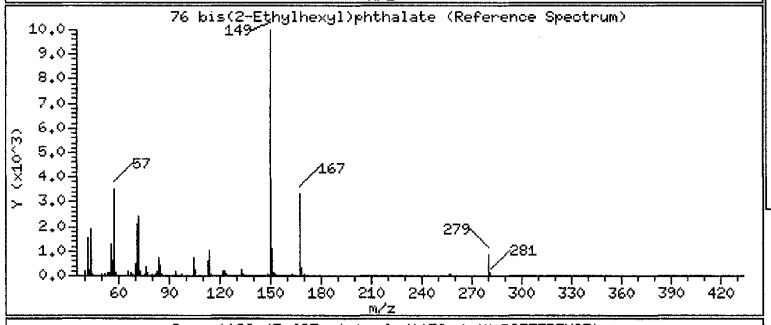
76 bis(2-Ethylhexyl)phthalate Concentration: 21.4 ug/Kg

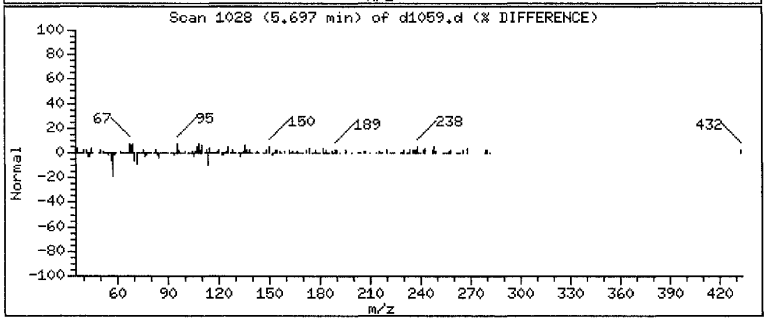












Data File: /var/chem/MSSV5.i/2060805.s.b/d1059.d

Date : 05-AUG-2006 22:36

Client ID: 20608043107

Instrument: MSSV5.i

Sample Info: 20608043107*4482*

Volume Injected (uL): 1.0

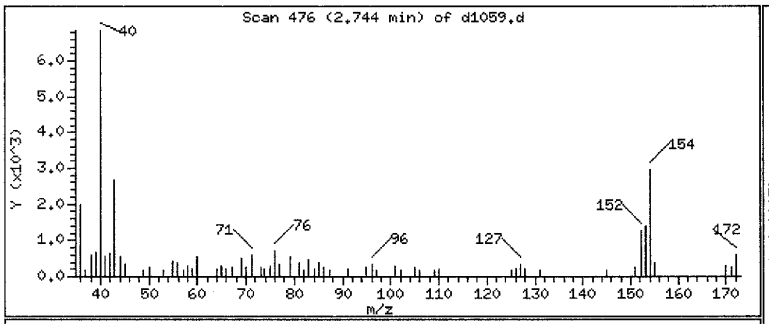
Operator: rrr

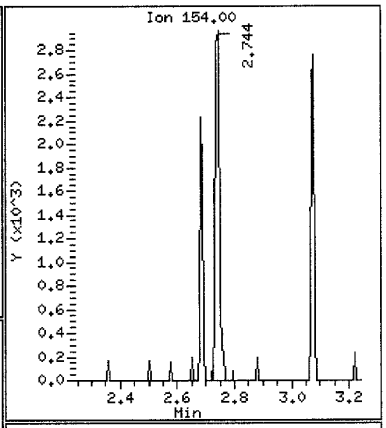
Column phase: RTX-5MS-30M

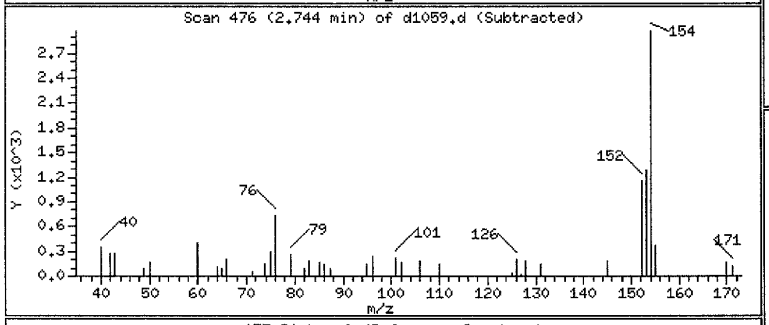
Column diameter: 0.25

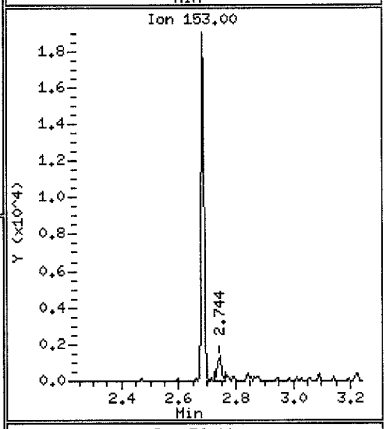
157 Biphenyl

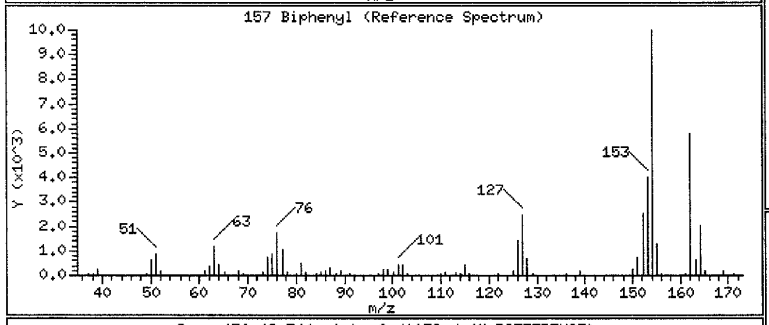
Concentration: 168 ug/Kg

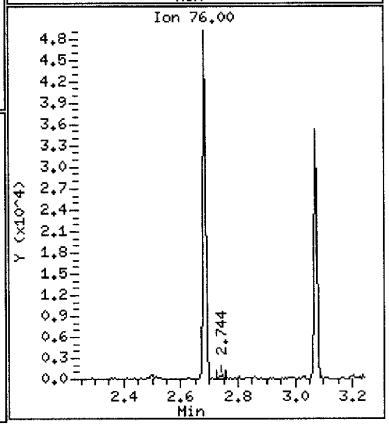


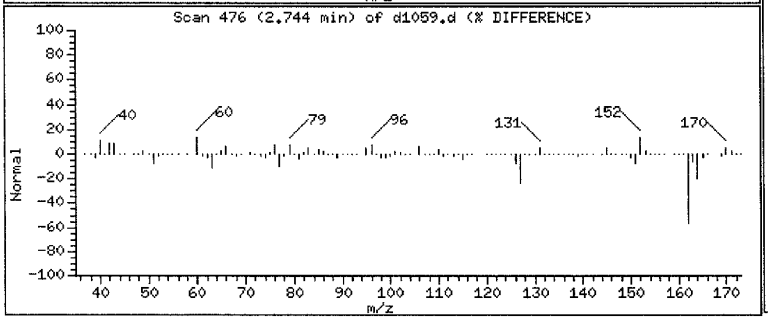












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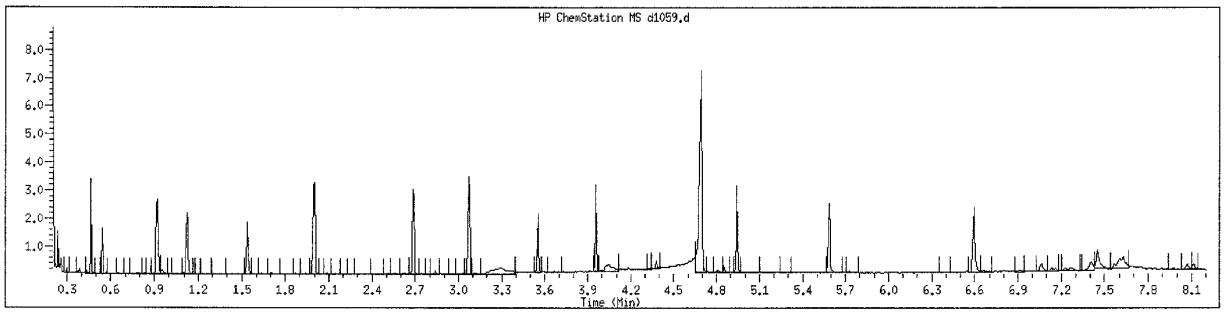
Data file : /var/chem/MSSV5.i/2060805.s.b/d1059.d Page: 1
Report Date: 08/06/2006 09:40

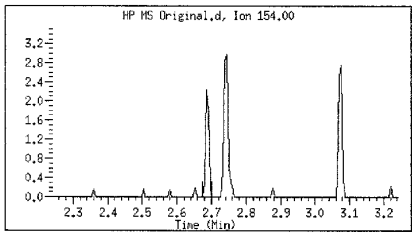
MANUAL INTEGRATION GRAPHIC REPORT

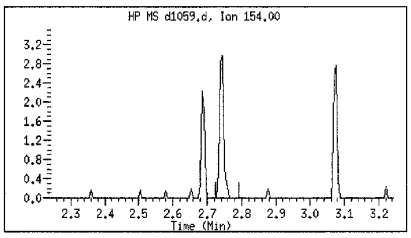
Lab ID : 20608043107 SampleType : SAMPLE
Injection Date: 05-AUG-2006 22:36 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043107*4482*
Misc Info : 20608043107*MSSV~3868~*080431*30.5-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

157 Biphenyl CAS#: 92-52-4





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167154

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 46.8 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: FWPSE05-005-(0-0.5)
Contract:
Lab File ID: 2060805/D1060
Lab Sample ID: 20608043108
Date Collected: 08/02/06 Time: 1550
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2251
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.610	U	0.013	0.610
95-95-4	2,4,5-Trichlorophenol	0.610	U	0.012	0.610
88-06-2	2,4,6-Trichlorophenol	0.610	U	0.027	0.610
120-83-2	2,4-Dichlorophenol	0.610	U	0.016	0.610
51-28-5	2,4-Dinitrophenol	3.08	U	0.104	3.08
121-14-2	2,4-Dinitrotoluene	0.610	U	0.027	0.610
606-20-2	2,6-Dinitrotoluene	0.610	U	0.015	0.610
91-58-7	2-Chloronaphthalene	0.610	U	0.016	0.610
95-57-8	2-Chlorophenol	0.610	U	0.00975	0.610
91-57-6	2-Methylnaphthalene	0.122	U	0.017	0.122
88-74-4	2-Nitroaniline	3.08	U	0.040	3.08
88-75-5	2-Nitrophenol	0.610	U	0.024	0.610
91-94-1	3,3'-Dichlorobenzidine	1.22	U	0.077	1.22
99-09-2	3-Nitroaniline	3.08	U	0.017	3.08
534-52-1	2-Methyl-4,6-dinitrophenol	3.08	U	0.032	3.08
59-50-7	4-Chloro-3-methylphenol	0.610	U	0.024	0.610
106-47-8	4-Chloroaniline	0.610	U	0.054	0.610
7005-72-3	4-Chlorophenyl-phenylether	0.610	U	0.016	0.610
83-32-9	Acenaphthene	0.122	U	0.016	0.122
208-96-8	Acenaphthylene	0.122	U	0.018	0.122
98-86-2	Acetophenone	0.610	U	0.013	0.610
62-53-3	Aniline	0.610	U	0.012	0.610
120-12-7	Anthracene	0.122	U	0.017	0.122
1912-24-9	Atrazine (Aatrex)	1.22	U	0.031	1.22
100-52-7	Benzaldehyde	1.22	U	0.047	1.22
92-87-5	Benzidine	2.44	U	0.082	2.44
56-55-3	Benzo(a)anthracene	0.122	U	0.016	0.122
50-32-8	Benzo(a)pyrene	0.122	U	0.016	0.122
205-99-2	Benzo(b)fluoranthene	0.085	J	0.011	0.610

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 46.8 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: FWPSE05-005-(0-0.5)
Contract:
Lab File ID: 2060805/D1060
Lab Sample ID: 20608043108
Date Collected: 08/02/06 Time: 1550
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2251
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.610	U	0.016	0.610
207-08-9	Benzo(k)fluoranthene	0.610	U	0.025	0.610
65-85-0	Benzoic acid	3.08	U	0.284	3.08
100-51-6	Benzyl alcohol	0.610	U	0.018	0.610
92-52-4	Biphenyl	0.316	JB	0.018	0.610
111-91-1	Bis(2-Chloroethoxy)methane	0.610	U	0.021	0.610
111-44-4	Bis(2-Chloroethyl)ether	0.610	U	0.019	0.610
108-60-1	bis(2-Chloroisopropyl)ether	0.610	U	0.024	0.610
117-81-7	bis(2-ethylhexyl)phthalate	0.050	JB	0.016	0.122
101-55-3	4-Bromophenyl-phenylether	0.610	U	0.015	0.610
85-68-7	Butylbenzylphthalate	0.610	U	0.020	0.610
105-60-2	Caprolactam	0.610	U	0.126	0.610
86-74-8	Carbazole	0.610	U	0.016	0.610
218-01-9	Chrysene	0.610	U	0.014	0.610
84-74-2	Di-n-butylphthalate	0.610	U	0.046	0.610
117-84-0	Di-n-octylphthalate	0.610	U	0.013	0.610
53-70-3	Dibenz(a,h)anthracene	0.122	U	0.015	0.122
132-64-9	Dibenzofuran	0.610	U	0.023	0.610
84-66-2	Diethylphthalate	0.610	U	0.027	0.610
131-11-3	Dimethyl-phthalate	0.610	U	0.020	0.610
105-67-9	2,4-Dimethylphenol	0.610	U	0.041	0.610
206-44-0	Fluoranthene	0.610	U	0.018	0.610
86-73-7	Fluorene	0.122	U	0.016	0.122
118-74-1	Hexachlorobenzene	0.610	U	0.020	0.610
77-47-4	Hexachlorocyclopentadiene	0.610	U	0.013	0.610
67-72-1	Hexachloroethane	0.610	U	0.026	0.610
193-39-5	Indeno(1,2,3-cd)pyrene	0.610	U	0.026	0.610
78-59-1	Isophorone	0.610	U	0.016	0.610
100-01-6	4-Nitroaniline	3.08	U	0.044	3.08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 46.8 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: FWPSE05-005-(0-0.5)
Contract:
Lab File ID: 2060805/D1060
Lab Sample ID: 20608043108
Date Collected: 08/02/06 Time: 1550
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2251
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.610	U	0.023	0.610
100-02-7	4-Nitrophenol	3.08	U	0.080	3.08
87-86-5	Pentachlorophenol	3.08	U	0.159	3.08
85-01-8	Phenanthrene	0.122	U	0.020	0.122
108-95-2	Phenol	0.610	U	0.020	0.610
129-00-0	Pyrene	0.610	U	0.019	0.610
110-86-1	Pyridine	0.610	U	0.037	0.610
1319-77-3M	m,p-Cresol	0.610	U	0.023	0.610
621-64-7	N-Nitroso-di-n-propylamine	0.122	U	0.016	0.122
62-75-9	N-Nitrosodimethylamine	0.610	U	0.080	0.610
86-30-6	N-Nitrosodiphenylamine	0.610	U	0.018	0.610
95-48-7	o-Cresol	0.610	U	0.025	0.610

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1060.d
Lab Smp Id: 20608043108 Client Smp ID: 20608043108
Inj Date : 05-AUG-2006 22:51
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043108*4482*
Misc Info : 20608043108*MSSV~3868~*080431*30.5-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 50
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	0.546	0.540	(0.483)	203085	60.9659	2000
$ 4 Phenol-d5	99	0.920	0.920	(0.815)	887806	57.1184	1870
* 10 1,4-Dichlorobenzene-d4	152	1.129	1.123	(1.000)	363006	40.0000	
$ 19 Nitrobenzene-d5	82	1.540	1.546	(0.770)	554922	31.0410	1020
* 28 Naphthalene-d8	136	2.000	2.000	(1.000)	1333620	40.0000	
$ 37 2-Fluorobiphenyl	172	2.690	2.690	(0.875)	799168	33.4648	1100
* 44 Acenaphthene-d10	164	3.076	3.076	(1.000)	671349	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.552	3.557	(1.155)	178119	59.4107	1950
* 61 Phenanthrene-d10	188	3.958	3.958	(1.000)	889910	40.0000	
$ 70 Terphenyl-d14	244	4.942	4.942	(0.885)	611557	28.8682	946
* 74 Chrysene-d12	240	5.584	5.589	(1.000)	796926	40.0000	

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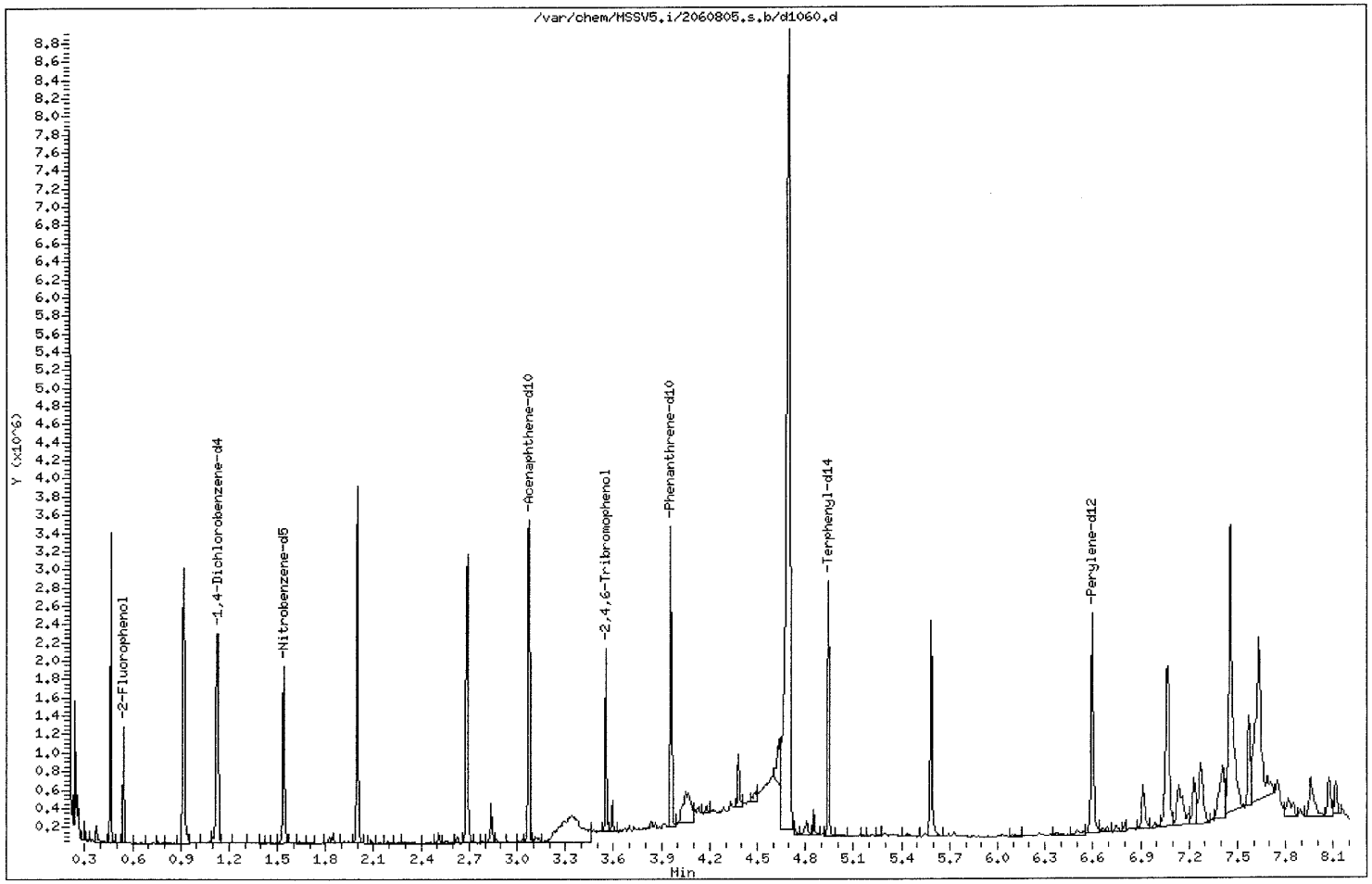
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.696	5.696	(1.020)	7126	0.81805	26.8
78 Benzo(b)fluoranthene	252	6.333	6.338	(0.960)	1320	1.37938	45.2(M)
* 81 Perylene-d12	264	6.595	6.595	(1.000)	952750	40.0000	
157 Biphenyl	154	2.739	2.744	(1.369)	2774	5.12986	168(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060805.s.b/d1060.d
Date : 05-AUG-2006 22:51
Client ID: 20608043108
Sample Info: 20608043108*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



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Date : 05-AUG-2006 22:51

Client ID: 20608043108

Instrument: MSSV5.i

Sample Info: 20608043108*4482*

Volume Injected (uL): 1.0

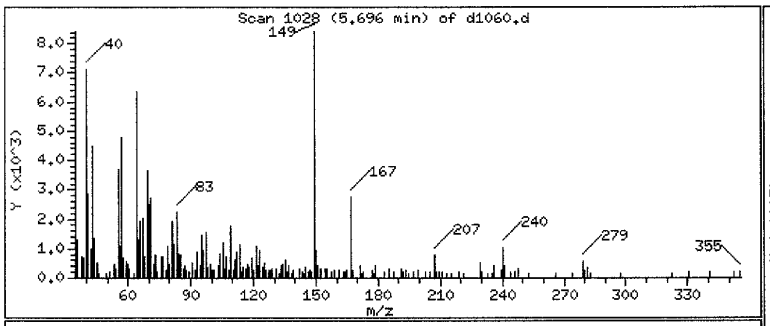
Operator: rrr

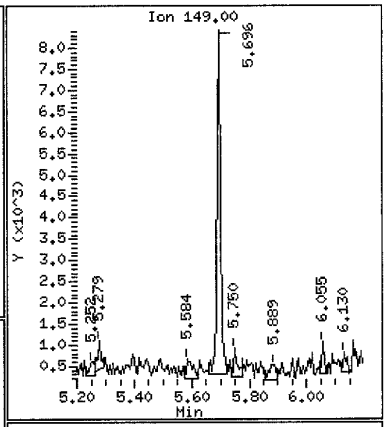
Column phase: RTX-5MS-30M

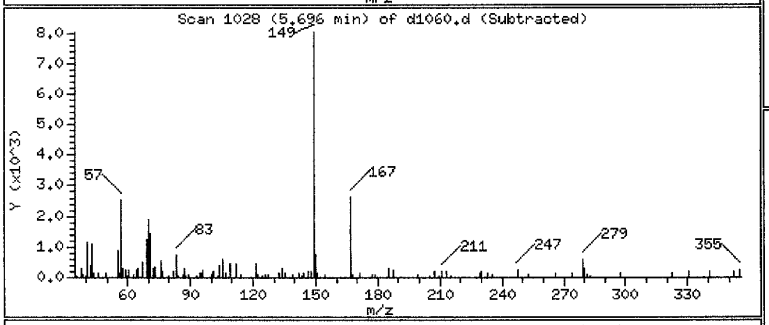
Column diameter: 0.25

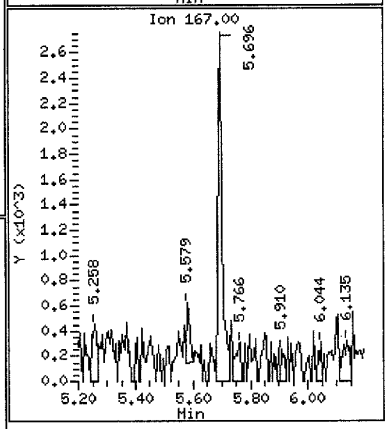
76 bis(2-Ethylhexyl)phthalate

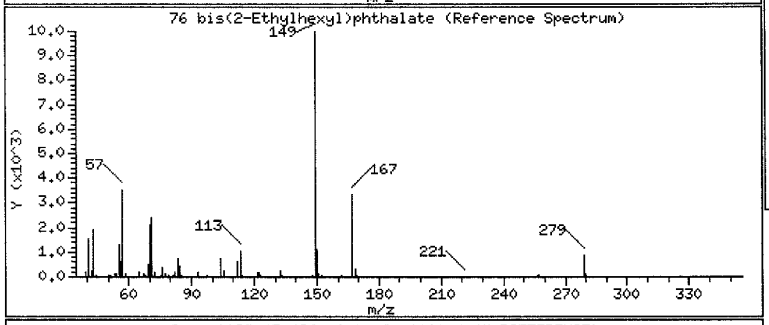
Concentration: 26.8 ug/Kg

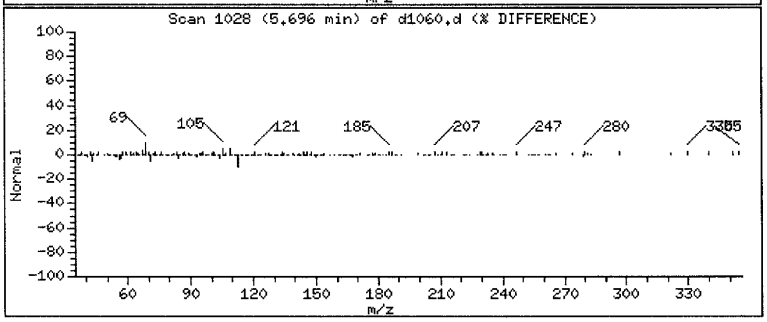












Data File: /var/chem/MSSV5.i/2060805.s.b/d1060.d

Date : 05-AUG-2006 22:51

Client ID: 20608043108

Instrument: MSSV5.i

Sample Info: 20608043108*4482*

Volume Injected (uL): 1.0

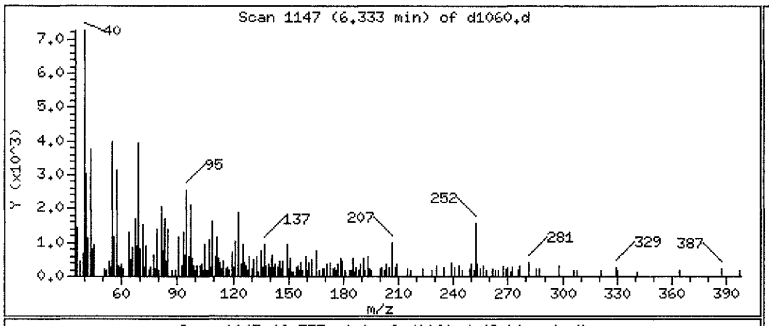
Operator: rrr

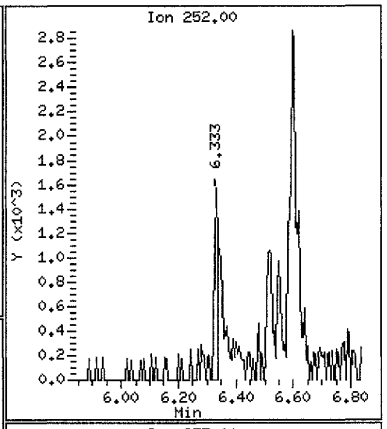
Column phase: RTX-5MS-30M

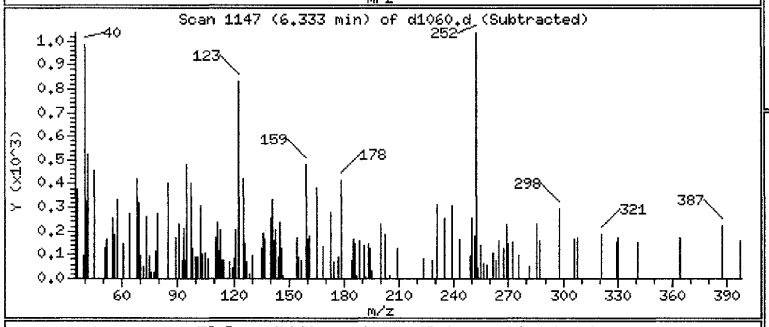
Column diameter: 0.25

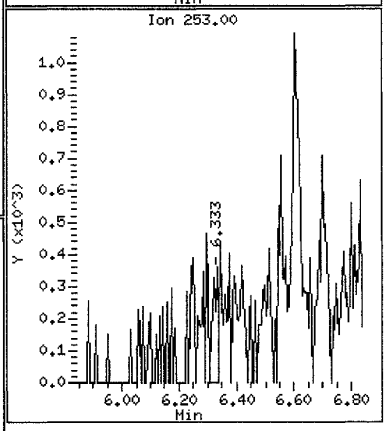
78 Benzo(b)fluoranthene

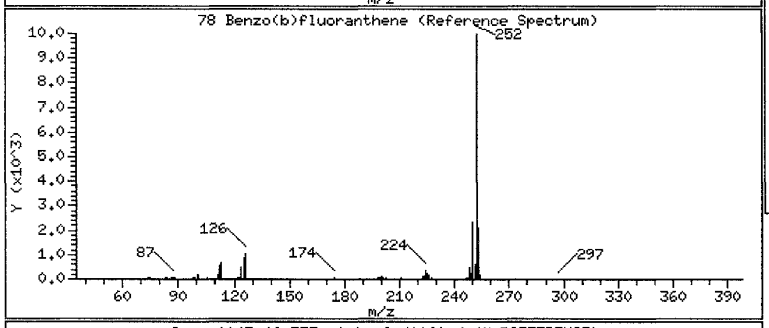
Concentration: 45.2 ug/Kg

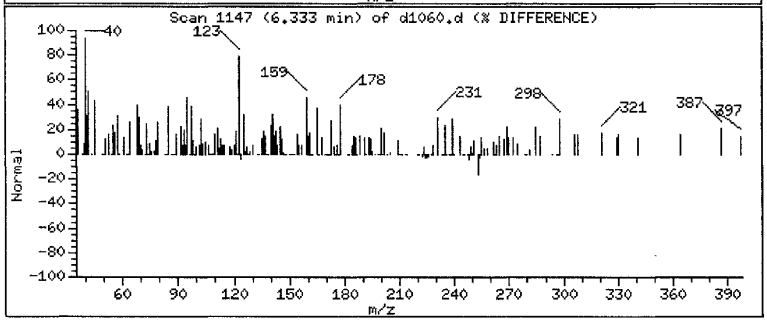












Data File: /var/chem/MSSV5.i/2060805.s.b/d1060.d

Date : 05-AUG-2006 22:51

Client ID: 20608043108

Instrument: MSSV5.i

Sample Info: 20608043108*4482*

Volume Injected (uL): 1.0

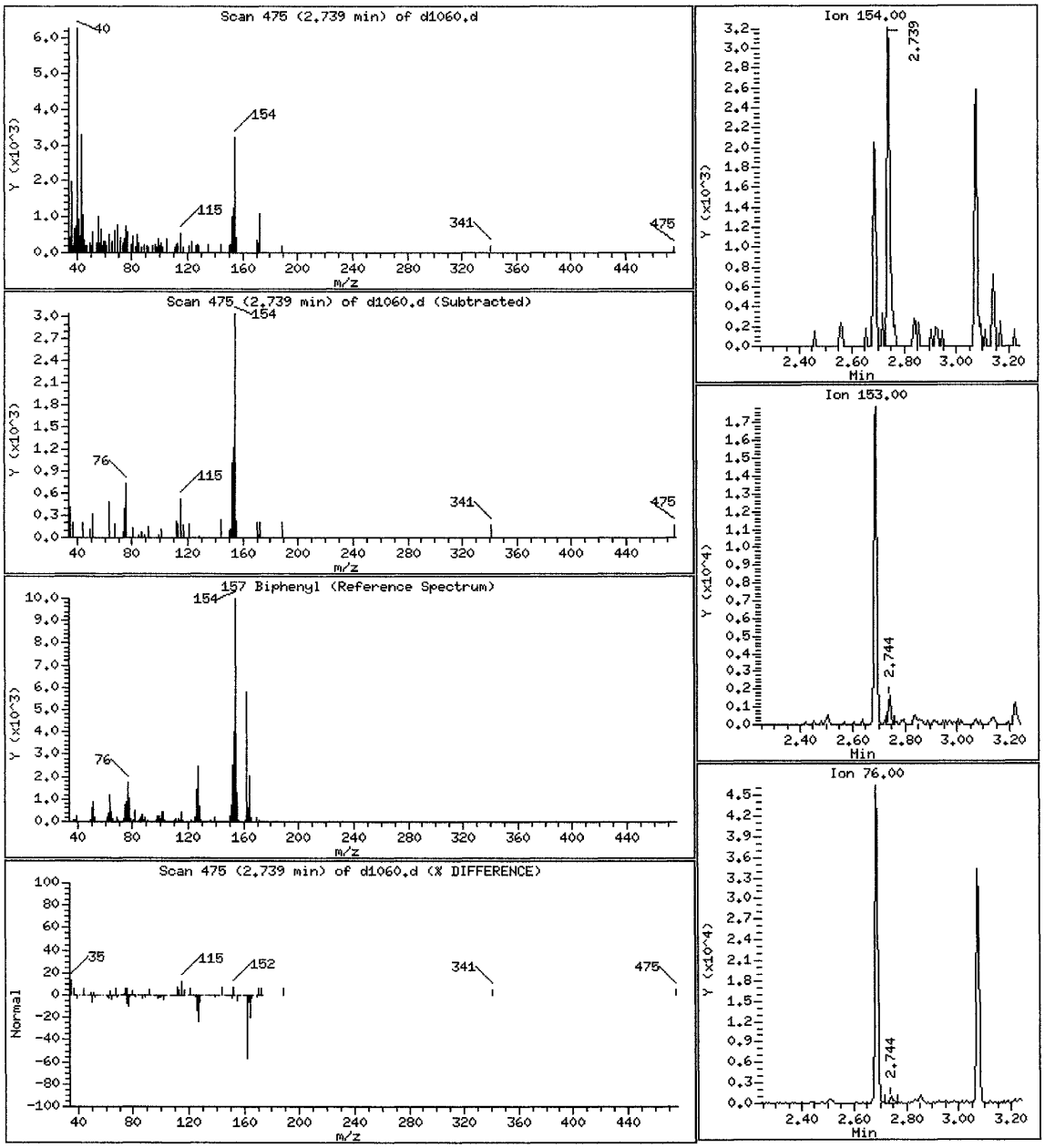
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

157 Biphenyl

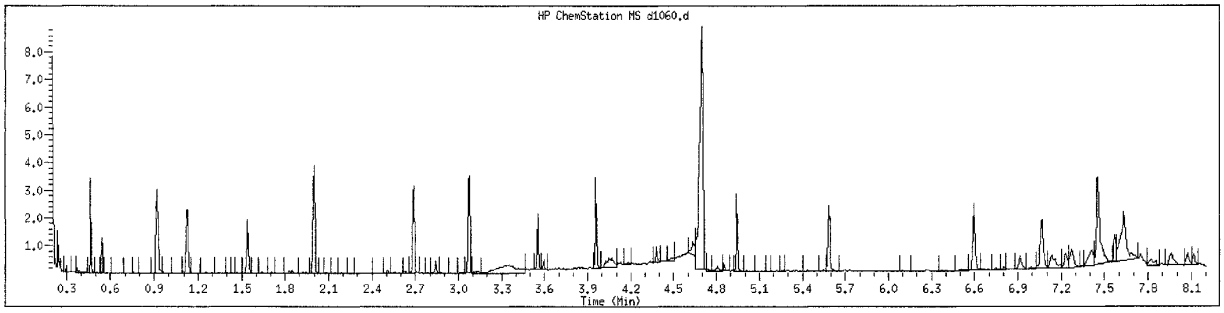
Concentration: 168 ug/Kg



Data file : /var/chem/MSSV5.i/2060805.s.b/d1060.d Page: 1
Report Date: 08/06/2006 09:42

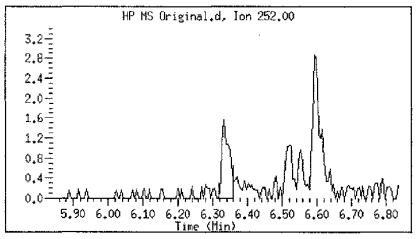
MANUAL INTEGRATION GRAPHIC REPORT

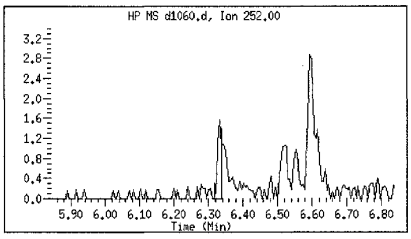
Lab ID : 20608043108 SampleType : SAMPLE
Injection Date: 05-AUG-2006 22:51 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043108*4482*
Misc Info : 20608043108*MSSV~3868~*080431*30.5-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



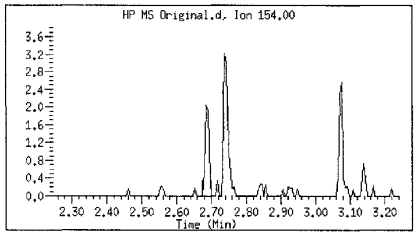
Original Final

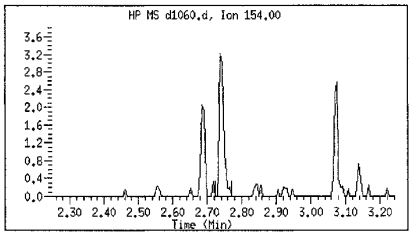
78 Benzo(b)fluoranthene CAS#: 205-99-2





157 Biphenyl CAS#: 92-52-4





000703

167164

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSE-006-EB
Contract:
Lab File ID: 2060807/D1139
Lab Sample ID: 20608043109
Date Collected: 08/02/06 Time: 1615
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1532
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000204	0.010
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000373	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000420	0.010
120-83-2	2,4-Dichlorophenol	0.010	U	0.000292	0.010
51-28-5	2,4-Dinitrophenol	0.050	U	0.00218	0.050
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000400	0.010
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000354	0.010
91-58-7	2-Chloronaphthalene	0.010	U	0.000326	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000321	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000216	0.010
88-74-4	2-Nitroaniline	0.050	U	0.000981	0.050
88-75-5	2-Nitrophenol	0.010	U	0.000378	0.010
91-94-1	3,3'-Dichlorobenzidine	0.020	U	0.000307	0.020
99-09-2	3-Nitroaniline	0.050	U	0.000293	0.050
534-52-1	2-Methyl-4,6-dinitrophenol	0.050	U	0.000759	0.050
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000283	0.010
106-47-8	4-Chloroaniline	0.000884	J	0.000341	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000355	0.010
83-32-9	Acenaphthene	0.010	U	0.000219	0.010
208-96-8	Acenaphthylene	0.010	U	0.000258	0.010
98-86-2	Acetophenone	0.010	U	0.000397	0.010
62-53-3	Aniline	0.010	U	0.000340	0.010
120-12-7	Anthracene	0.00200	U	0.000350	0.00200
1912-24-9	Atrazine (Aatrex)	0.020	U	0.000473	0.020
100-52-7	Benzaldehyde	0.020	U	0.000470	0.020
92-87-5	Benzidine	0.040	U	0.00718	0.040
56-55-3	Benzo(a)anthracene	0.010	U	0.000205	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000130	0.010
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000244	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSE-006-EB
Contract:
Lab File ID: 2060807/D1139
Lab Sample ID: 20608043109
Date Collected: 08/02/06 Time: 1615
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1532
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000199	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000278	0.010
65-85-0	Benzoic acid	0.050	U	0.00100	0.050
100-51-6	Benzyl alcohol	0.010	U	0.000265	0.010
92-52-4	Biphenyl	0.010	U	0.000176	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000192	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000357	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000283	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.00259	J	0.000585	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000393	0.010
85-68-7	Butylbenzylphthalate	0.010	U	0.000356	0.010
105-60-2	Caprolactam	0.00202	J	0.000309	0.010
86-74-8	Carbazole	0.010	U	0.000214	0.010
218-01-9	Chrysene	0.010	U	0.000311	0.010
84-74-2	Di-n-butylphthalate	0.00500	U	0.000735	0.00500
117-84-0	Di-n-octylphthalate	0.010	U	0.000337	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000287	0.010
132-64-9	Dibenzofuran	0.010	U	0.000228	0.010
84-66-2	Diethylphthalate	0.000647	J	0.000342	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000206	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.00600	0.010
206-44-0	Fluoranthene	0.00200	U	0.000231	0.00200
86-73-7	Fluorene	0.010	U	0.000230	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000291	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.00185	0.010
67-72-1	Hexachloroethane	0.00500	U	0.00145	0.00500
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000240	0.010
78-59-1	Isophorone	0.010	U	0.000271	0.010
100-01-6	4-Nitroaniline	0.050	U	0.000821	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSE-006-EB
Contract:
Lab File ID: 2060807/D1139
Lab Sample ID: 20608043109
Date Collected: 08/02/06 Time: 1615
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1532
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.010	U	0.000226	0.010
100-02-7	4-Nitrophenol	0.050	U	0.00175	0.050
87-86-5	Pentachlorophenol	0.050	U	0.00187	0.050
85-01-8	Phenanthrene	0.00200	U	0.000191	0.00200
108-95-2	Phenol	0.010	U	0.000132	0.010
129-00-0	Pyrene	0.00200	U	0.000234	0.00200
110-86-1	Pyridine	0.010	U	0.00365	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000933	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000246	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.00113	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000270	0.010
95-48-7	o-Cresol	0.010	U	0.000240	0.010

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1139.d
Lab Smp Id: 20608043109 Client Smp ID: 20608043109
Inj Date : 07-AUG-2006 15:32
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 20608043109*4482*
Misc Info : 20608043109*MSSV~3870~*080431*1000-1*329585*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 12:46 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.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/(Vo * Vi) * CpndVariable

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	0.524	0.524	(0.485)	73374	41.3507	41.4
$	4 Phenol-d5	99	0.883	0.888	(0.817)	202555	24.4643	24.5
*	10 1,4-Dichlorobenzene-d4	152	1.081	1.081	(1.000)	193367	40.0000	
$	19 Nitrobenzene-d5	82	1.498	1.503	(0.763)	427620	43.3305	43.3
*	28 Naphthalene-d8	136	1.963	1.969	(1.000)	736209	40.0000	
	30 4-Chloroaniline	127	2.043	2.043	(1.041)	1091	0.88428	0.884(a)
$	37 2-Fluorobiphenyl	172	2.653	2.659	(0.873)	526977	40.2856	40.3
*	44 Acenaphthene-d10	164	3.038	3.044	(1.000)	367740	40.0000	
	50 Diethylphthalate	149	3.348	3.359	(1.102)	6426	0.64683	0.647(a)
$	57 2,4,6-Tribromophenol	332	3.520	3.525	(1.158)	122431	74.5509	74.6
*	61 Phenanthrene-d10	188	3.926	3.926	(1.000)	527412	40.0000	
	65 Di-n-butylphthalate	149	4.343	4.343	(1.106)	6901	0.48887	0.489(a)
$	70 Terphenyl-d14	244	4.910	4.910	(0.885)	446330	38.4079	38.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
* 74 Chrysene-d12	240	5.547	5.552	(1.000)	437155	40.0000	
76 bis(2-Ethylhexyl)phthalate	149	5.659	5.664	(1.020)	18423	2.58660	2.59(a)
* 81 Perylene-d12	264	6.547	6.552	(1.000)	405146	40.0000	
91 Acetophenone	105	1.402	1.407	(1.297)	2976	0.25278	0.253(a)
156 Caprolactam	113	2.247	2.284	(1.144)	4078	2.01661	2.02(a)

QC Flag Legend

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

Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Page 1

Date : 07-AUG-2006 15:32

Client ID: 20608043109

Instrument: MSSV5.i

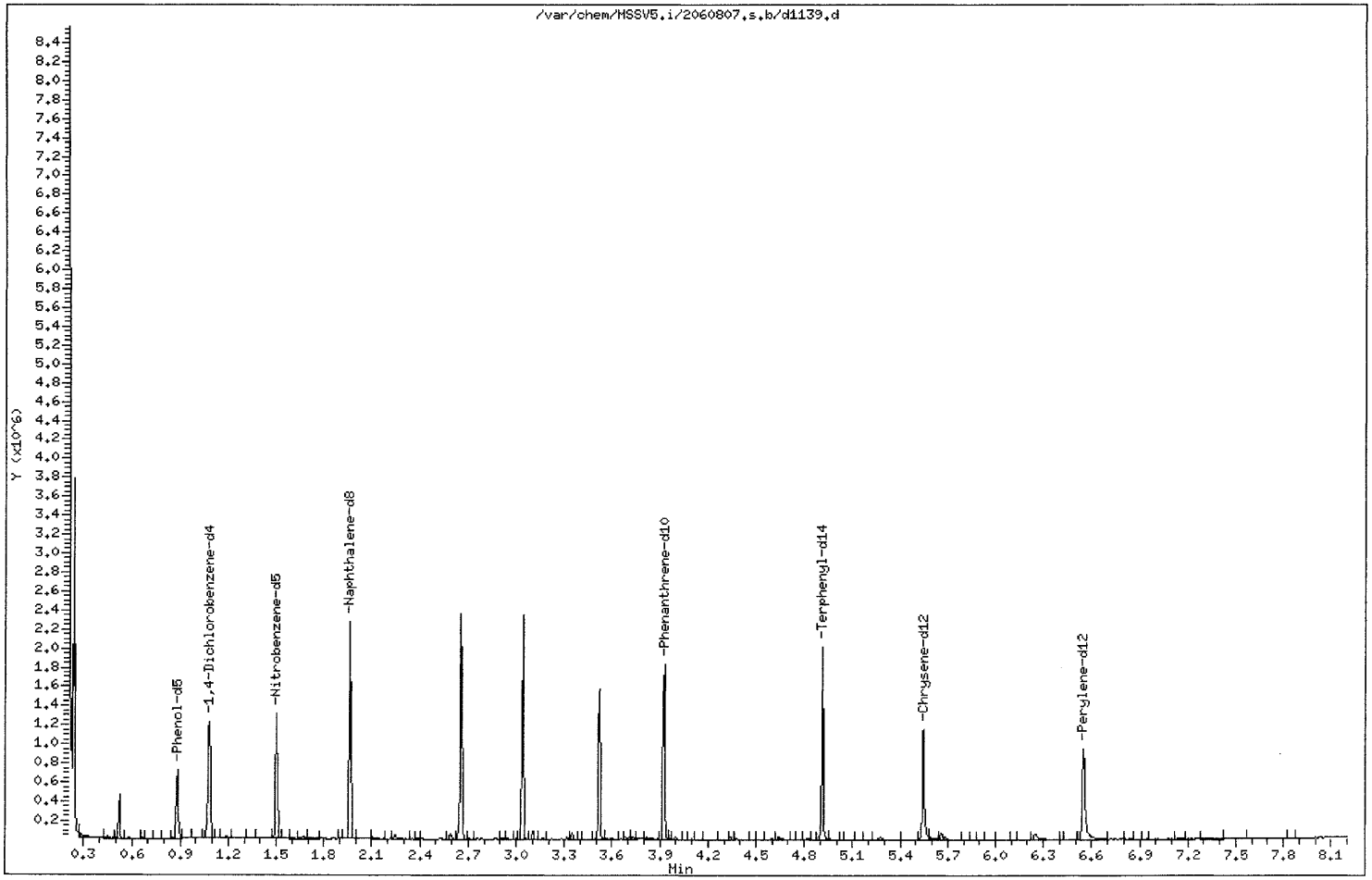
Sample Info: 20608043109*4482*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Date : 07-AUG-2006 15:32

Client ID: 20608043109

Instrument: MSSV5.i

Sample Info: 20608043109*4482*

Volume Injected (uL): 1.0

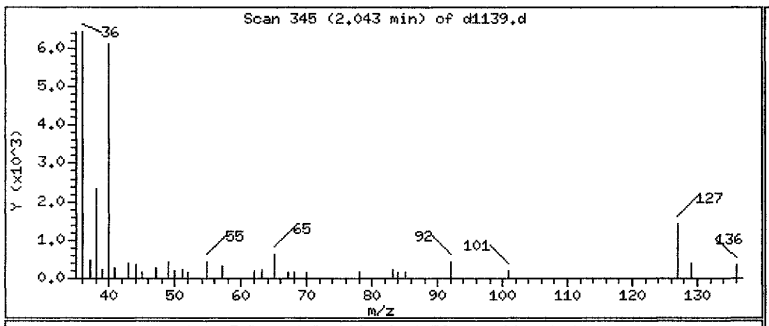
Operator: jar3

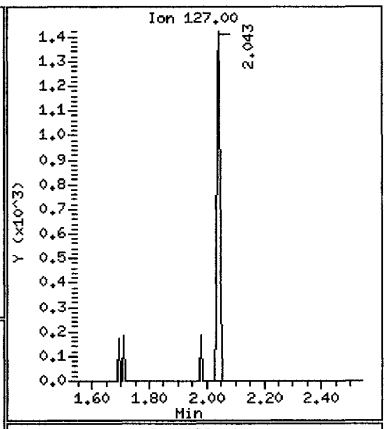
Column phase: RTX-5MS-30M

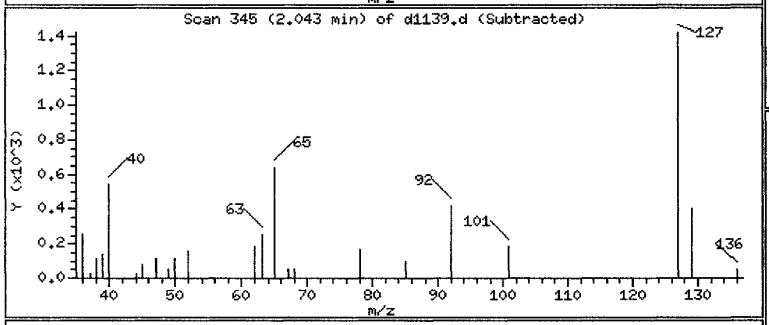
Column diameter: 0.25

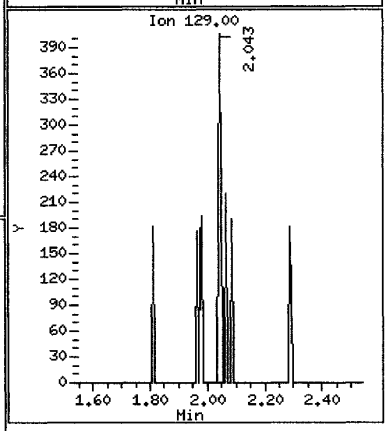
30 4-Chloroaniline

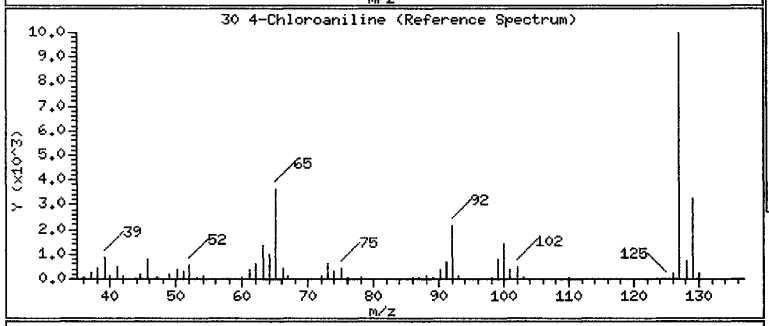
Concentration: 0.884 ug/L

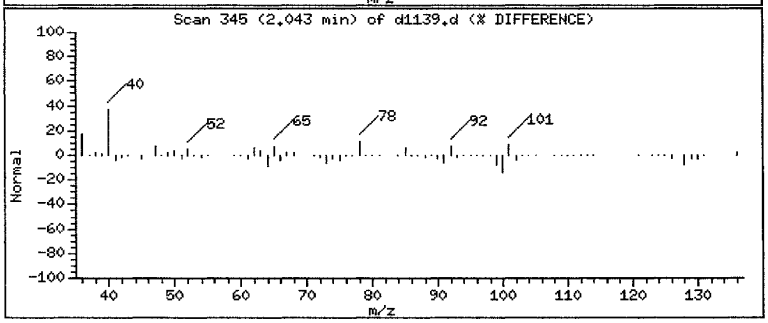












000710

167171

Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Date : 07-AUG-2006 15:32

Client ID: 20608043109

Instrument: MSSV5.i

Sample Info: 20608043109*4482*

Volume Injected (uL): 1.0

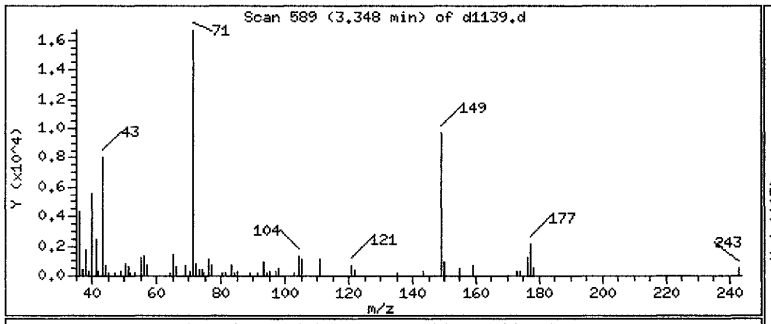
Operator: jar3

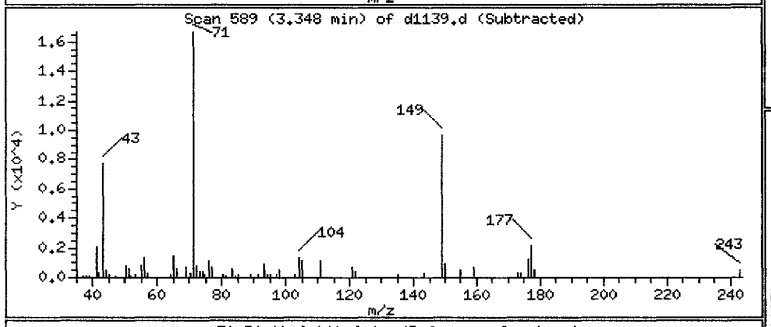
Column phase: RTX-5MS-30M

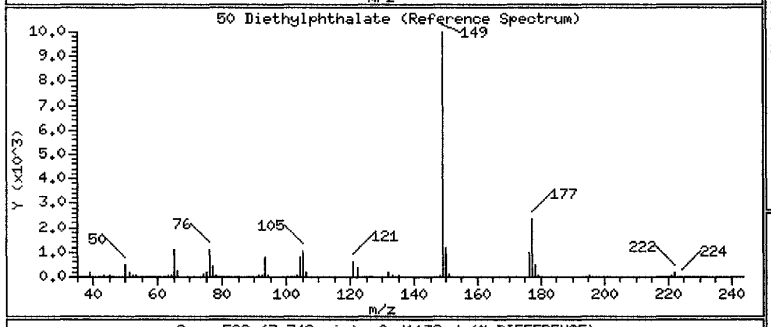
Column diameter: 0.25

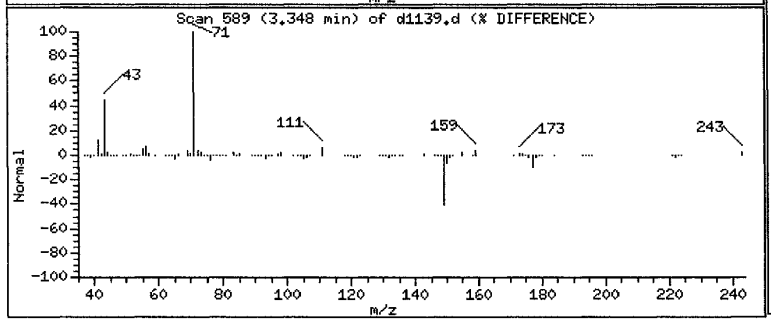
50 Diethylphthalate

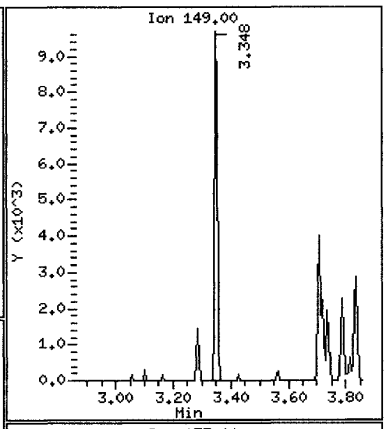
Concentration: 0.647 ug/L

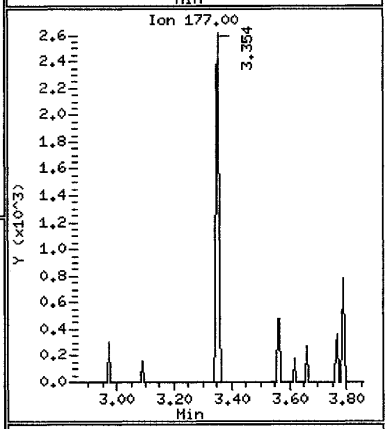


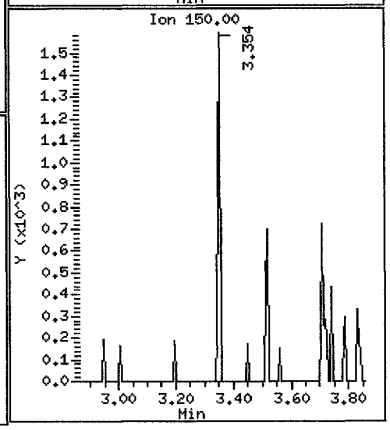












000711

Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Date : 07-AUG-2006 15:32

Client ID: 20608043109

Instrument: MSSV5.i

Sample Info: 20608043109*4482*

Volume Injected (uL): 1.0

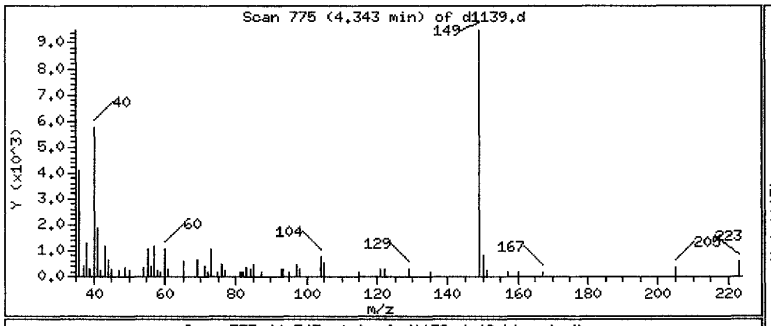
Operator: jar3

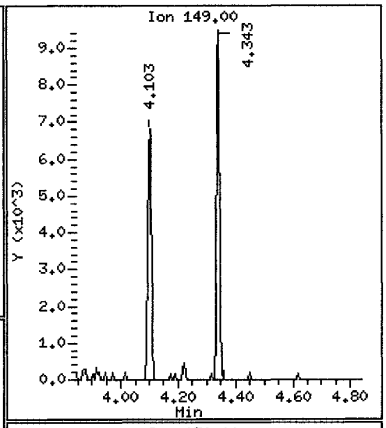
Column phase: RTX-5MS-30M

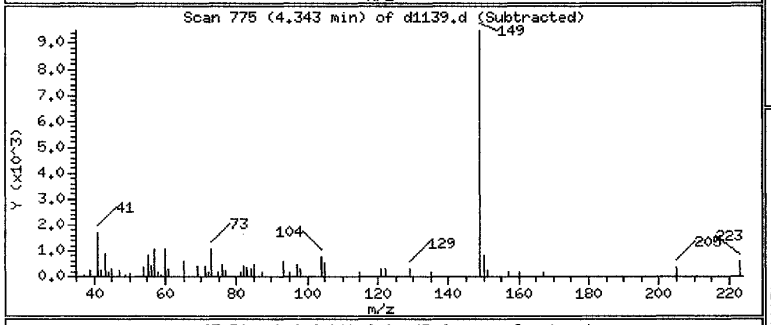
Column diameter: 0.25

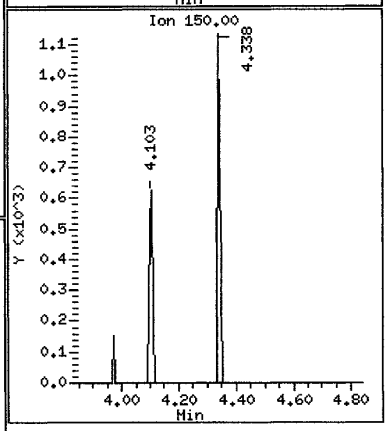
65 Di-n-butylphthalate

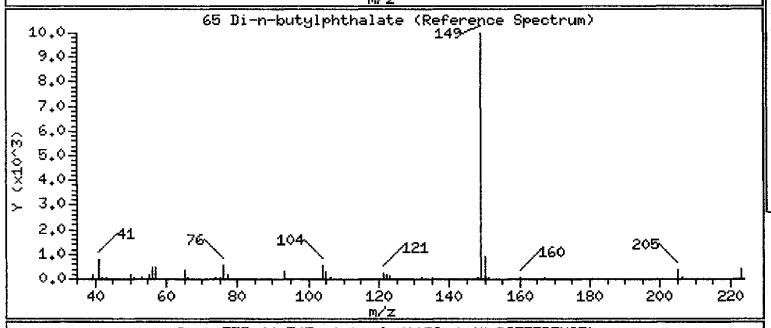
Concentration: 0.489 ug/L

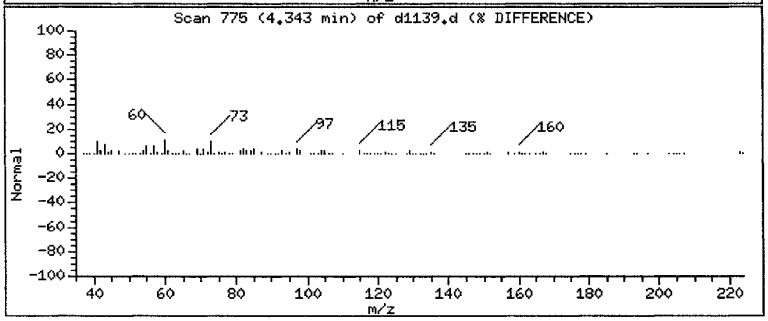












Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Date : 07-AUG-2006 15:32

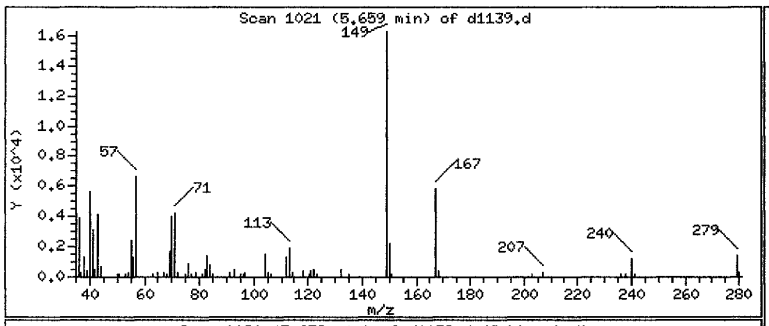
Client ID: 20608043109 Instrument: MSSV5.i

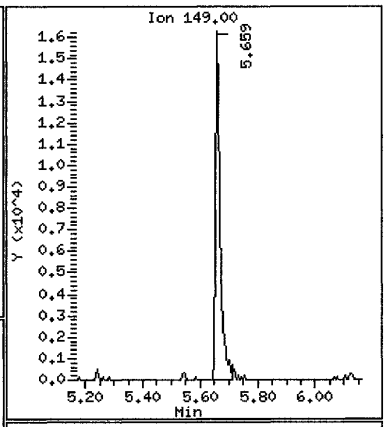
Sample Info: 20608043109x4482x

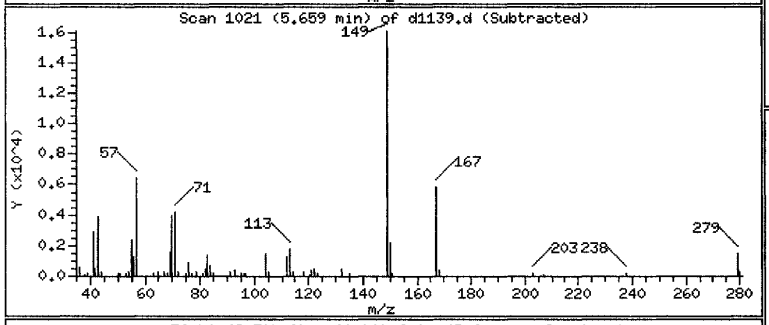
Volume Injected (uL): 1.0 Operator: jar3

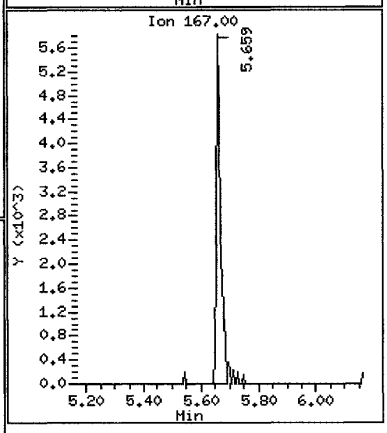
Column phase: RTX-5MS-30M Column diameter: 0.25

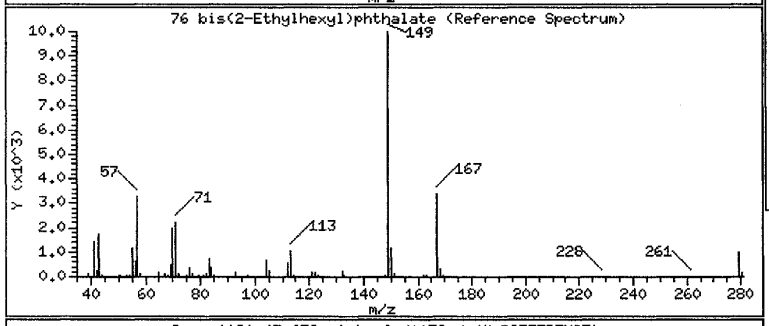
76 bis(2-Ethylhexyl)phthalate Concentration: 2.59 ug/L

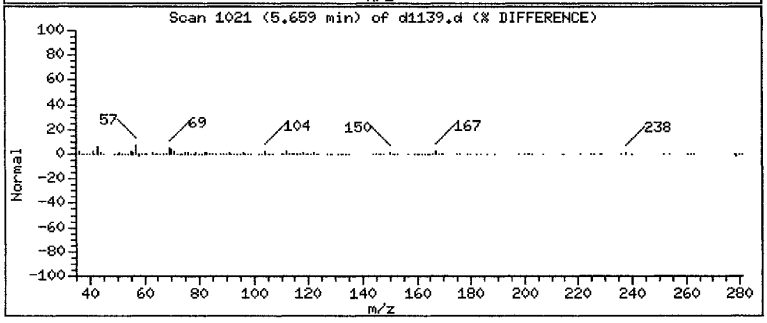












Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Date : 07-AUG-2006 15:32

Client ID: 20608043109

Instrument: MSSV5.i

Sample Info: 20608043109*4482*

Volume Injected (uL): 1.0

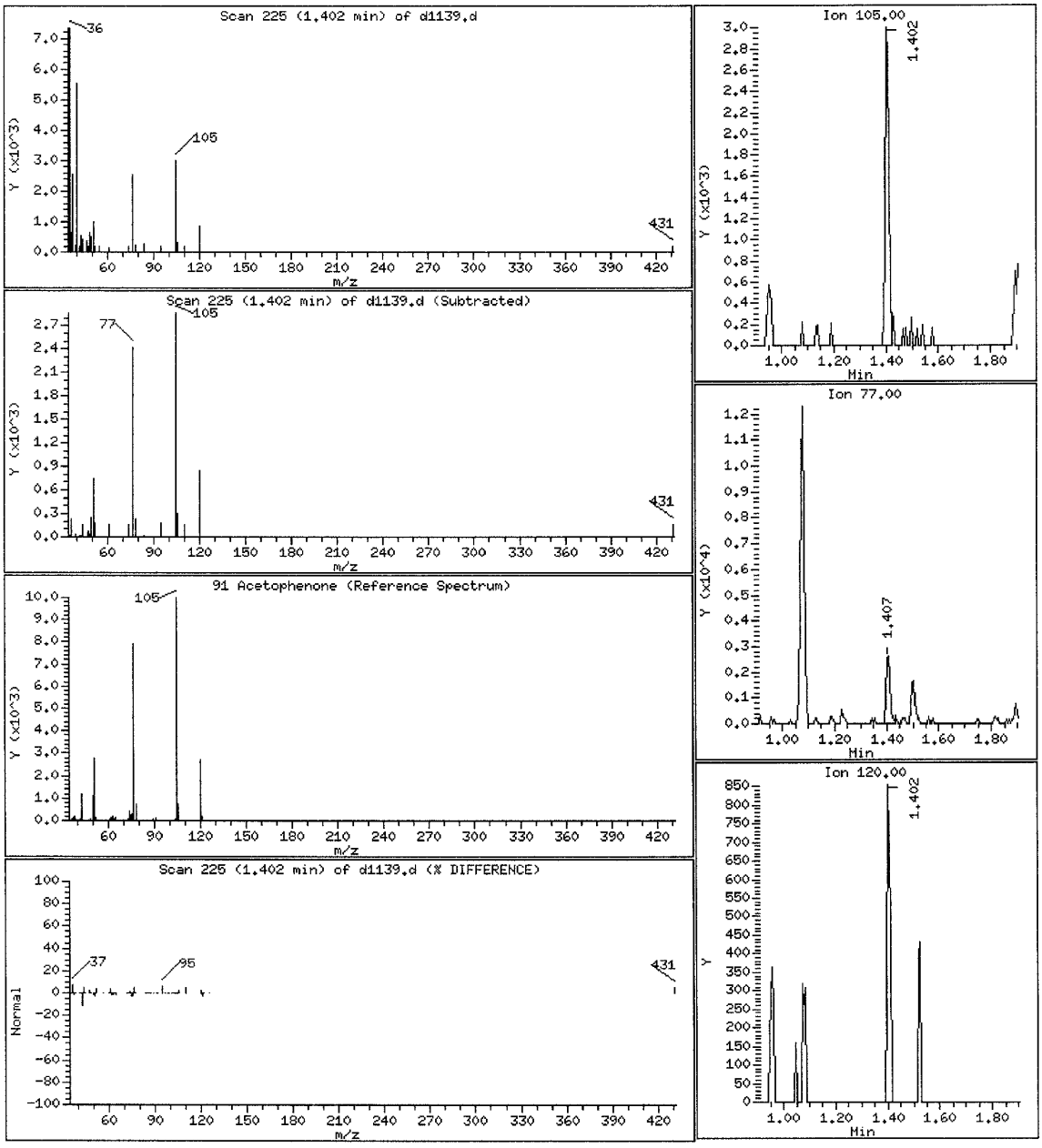
Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25

91 Acetophenone

Concentration: 0.253 ug/L



Data File: /var/chem/MSSV5.i/2060807.s.b/d1139.d

Date : 07-AUG-2006 15:32

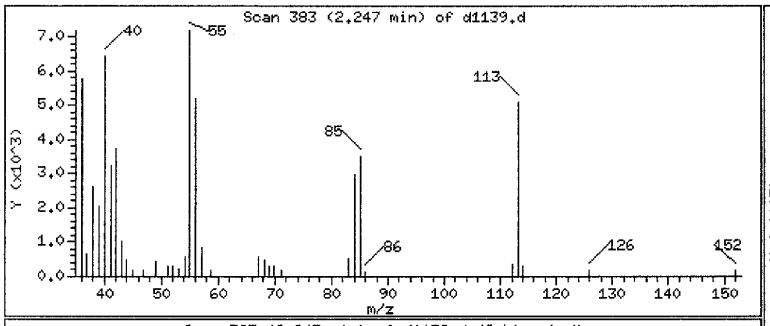
Client ID: 20608043109 Instrument: MSSV5.i

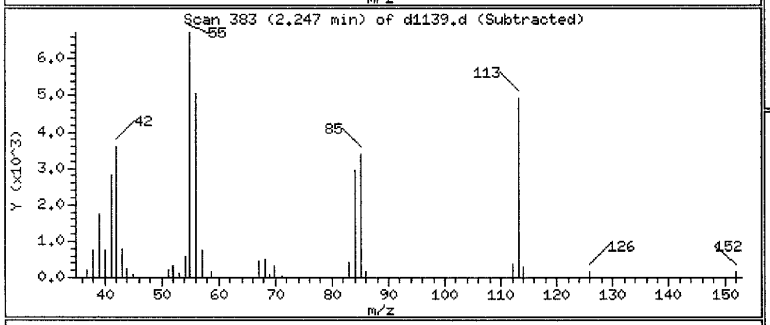
Sample Info: 20608043109*4482*

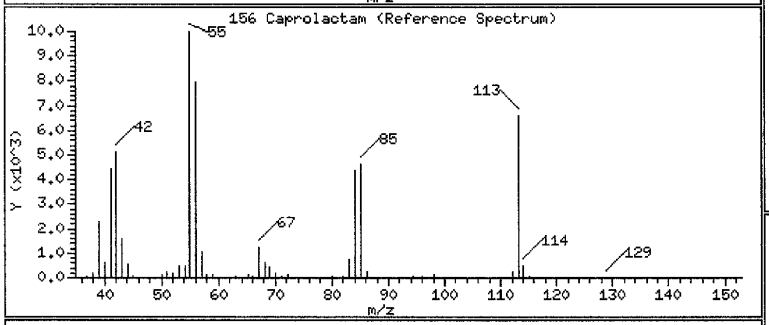
Volume Injected (uL): 1.0 Operator: jar3

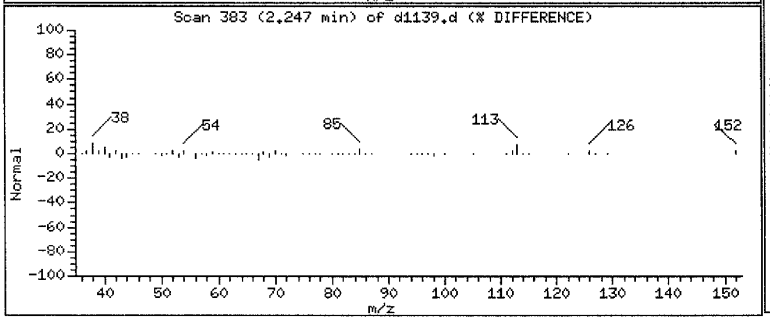
Column phase: RTX-5MS-30M Column diameter: 0.25

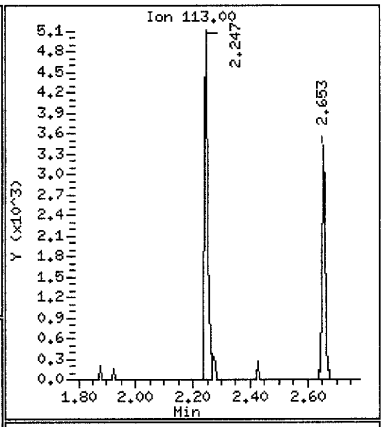
156 Caprolactam Concentration: 2.02 ug/L

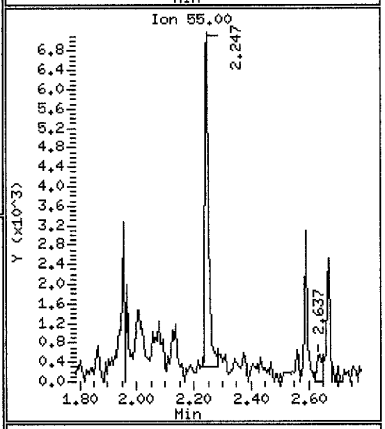


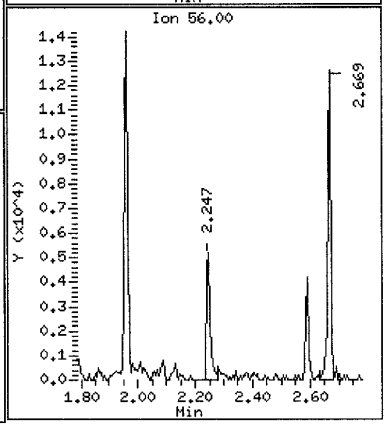








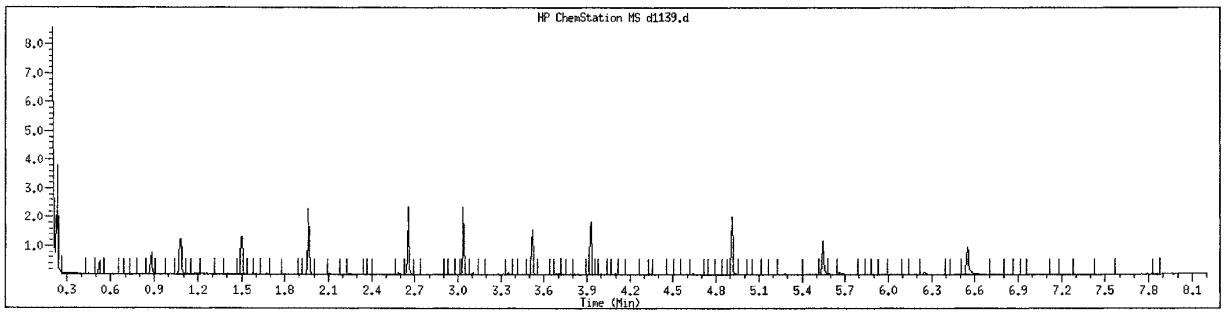




Data file : /var/chem/MSSV5.i/2060807.s.b/d1139.d Page: 1
Report Date: 08/07/2006 16:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20608043109 SampleType : SAMPLE
Injection Date: 07-AUG-2006 15:32 Instrument : MSSV5.i
Operator : jar3
Sample Info : 20608043109*4482*
Misc Info : 20608043109*MSSV~3870~*080431*1000-1*329585*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

167177

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 rlw

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Calibration File Names:
Level 1: /var/chem/MSSV5.i/2060803.s.b/d0930.d
Level 2: /var/chem/MSSV5.i/2060803.s.b/d0929.d
Level 3: /var/chem/MSSV5.i/2060802.s.b/d0893.d
Level 4: /var/chem/MSSV5.i/2060727.s.b/d0767.d
Level 5: /var/chem/MSSV5.i/2060727.s.b/d0768.d
Level 6: /var/chem/MSSV5.i/2060802.s.b/d0890.d
Level 7: /var/chem/MSSV5.i/2060727.s.b/d0769.d
Level 8: /var/chem/MSSV5.i/2060802.s.b/d0892.d
Level 9: /var/chem/MSSV5.i/2060712.s.b/d0226.d

Compound	0.2000000 Level 1	1.0000 Level 2	2.0000 Level 3	10.0000 Level 4	50.0000 Level 5	80.0000 Level 6	Crv Type	Crv Org	Coefficients b	m1	m2	%RSD or R^2
	120.0000 Level 7	160.0000 Level 8	200.0000 Level 9									
1 n-Nitrosodimethylamine	+++++	+++++	+++++	0.29671	0.28609	0.29820						
	0.16624	0.21860	0.15735				AVG	N\A		0.23720		27.58794
2 Pyridine	+++++	+++++	+++++	0.42261	0.26321	0.26169						
	0.44786	0.44853	0.39024				AVG	N\A		0.37236		23.56873
5 Aniline	+++++	+++++	+++++	2.16620	1.53086	1.74581						
	1.69967	1.57554	1.59849				AVG	N\A		1.71943		13.55439

000717

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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 +	+++++	+++++	+++++	2.36507	1.98637	2.13928						
	2.09758	1.97152	1.95792				AVG	N\A		2.08629		7.43464
7 bis(-2-Chloroethyl)Ether	+++++	+++++	2.21797	2.20673	1.88946	1.97261						
	2.08039	1.94569	1.75711				AVG	N\A		2.00999		8.39708
8 2-Chlorophenol	+++++	+++++	1.81774	1.88290	1.62266	1.67389						
	1.67450	1.60434	1.54095				AVG	N\A		1.68814		7.17769
9 1,3-Dichlorobenzene	+++++	+++++	2.20881	2.15709	1.85885	1.93094						
	1.93389	1.87898	1.80769				AVG	N\A		1.96804		7.81201
11 1,4-Dichlorobenzene +	+++++	+++++	2.16698	2.13312	1.86907	1.93662						
	1.96048	1.86732	1.76136				AVG	N\A		1.95642		7.51168
12 Benzyl alcohol	+++++	+++++	1.51257	1.55326	1.29894	1.37115						
	1.39384	1.30318	1.29156				AVG	N\A		1.38921		7.63849
13 1,2-Dichlorobenzene	+++++	+++++	2.09728	2.08804	1.78721	1.85273						
	1.86104	1.76856	1.69183				AVG	N\A		1.87810		8.36270

000718

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	+++++	3.52478	2.77362	2.90001						
	2.81389	2.57416	2.31153				AVG	N\A		2.81633		14.41606
15 2-Methylphenol	+++++	+++++	2.21614	2.25178	1.75528	1.92416						
	1.88145	1.76932	1.70651				AVG	N\A		1.92923		11.47582
16 N-Nitroso-di-n-propylamine+	+++++	+++++	26217	138387	522898	791422						
	1080111	1284084	1795116				QUA	NO	0.09515	0.30854	0.11761	0.99343
17 3- & 4-Methylphenol	+++++	+++++	+++++	2.35996	1.82690	1.91867						
	1.84852	1.71147	1.55882				AVG	N\A		1.87072		14.47653
18 Hexachloroethane	+++++	+++++	0.85707	0.84471	0.71700	0.71846						
	0.70223	0.65434	0.62175				AVG	N\A		0.73079		12.21586
20 Nitrobenzene	+++++	+++++	0.61835	0.62547	0.53793	0.53907						
	0.52903	0.50610	0.48500				AVG	N\A		0.54871		9.76110
21 Isophorone	+++++	+++++	+++++	1.17003	0.91601	0.96553						
	1.00578	0.93167	0.89084				AVG	N\A		0.97998		10.34285

000719

167180

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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 +	+++++	+++++	+++++	0.26342	0.22982	0.23301						
	0.23738	0.23745	0.23176				AVG	N\A		0.23881		5.20826
23 2,4-Dimethyphenol	+++++	+++++	0.54361	0.55203	0.46375	0.47146						
	0.45405	0.44625	0.43555				AVG	N\A		0.48096		9.80841
24 bis(-2-Chloroethoxy)methane	+++++	+++++	+++++	0.63945	0.52650	0.54045						
	0.53636	0.52160	0.49196				AVG	N\A		0.54272		9.28203
25 Benzoic Acid	+++++	+++++	0.13340	0.19660	0.17115	0.19287						
	0.18855	0.16898	0.18096				AVG	N\A		0.17607		12.22145
26 2,4-Dichlorophenol +	+++++	+++++	+++++	0.36853	0.31556	0.31755						
	0.31984	0.30638	0.29071				AVG	N\A		0.31976		8.18444
27 1,2,4-Trichlorobenzene	+++++	0.39009	0.39813	0.38593	0.34584	0.35095						
	0.36430	0.36837	0.35477				AVG	N\A		0.36980		5.27385
29 Naphthalene	+++++	1.39496	1.34751	1.33823	1.10802	1.10645						
	1.08712	1.03220	0.96505				AVG	N\A		1.17244		13.90748

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
30 4-Chloroaniline	+++++	12307	26053	151588	526247	818278						
	1181602	1441543	2057694				QUA	NO	0.01900	2.09328	0.70190	0.99832
31 Hexachlorobutadiene +	0.33987	0.24395	0.22292	0.22895	0.21414	0.22076						
	0.22911	0.22899	0.20946				AVG	N\A		0.23757		16.67887
32 4-Chloro-3-Methylphenol +	+++++	+++++	0.42419	0.46022	0.35410	0.36615						
	0.36344	0.34049	0.31158				AVG	N\A		0.37431		13.59679
33 2-Methylnaphthalene	+++++	0.99579	0.96527	0.98034	0.77019	0.77980						
	0.78202	0.75257	0.70199				AVG	N\A		0.84100		14.08361
34 Hexachlorocyclopentadiene +	+++++	+++++	+++++	0.39459	0.44919	0.46820						
	0.47883	0.46963	0.46538				AVG	N\A		0.45430		6.78044
35 2,4,6-Trichlorophenol +	+++++	0.36727	0.38793	0.42245	0.39435	0.41090						
	0.40939	0.39774	0.41012				AVG	N\A		0.40002		4.29644
36 2,4,5-Trichlorphenol	+++++	0.39986	0.42380	0.43879	0.41106	0.41540						
	0.41506	0.40530	0.39737				AVG	N\A		0.41333		3.25984

000721

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	+++++	1.28877	1.13805	1.12530						
	1.06116	0.99414	0.94796				AVG	N\A		1.09256		11.07596
39 2-Nitroaniline	+++++	+++++	0.37499	0.43716	0.37571	0.39044						
	0.38895	0.37109	0.37031				AVG	N\A		0.38695		6.09271
40 Dimethylphthalate	+++++	+++++	1.30161	1.26771	1.07260	1.10894						
	1.12699	1.06831	1.03690				AVG	N\A		1.14044		9.04714
41 2,6-Dinitrotoluene	+++++	+++++	0.31971	0.32812	0.27901	0.28733						
	0.27471	0.26680	0.24436				AVG	N\A		0.28572		10.29454
42 Acenaphthylene	+++++	2.04780	2.06592	2.04166	1.67397	1.68336						
	1.62295	1.55752	1.51603				AVG	N\A		1.77615		13.22506
43 3-Nitroaniline	+++++	0.32044	0.31370	0.32655	0.28002	0.28897						
	0.28042	0.26550	0.23597				AVG	N\A		0.28895		10.56858
45 Acenaphthene +	+++++	1.54674	1.43113	1.42857	1.24260	1.23576						
	1.22740	1.14436	1.08047				AVG	N\A		1.29213		12.38346

000722

167183

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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
46 2,4-Dinitrophenol ++	+++++	+++++	+++++	24865	131460	215195						
	364091	451829	672457				LNR	NO	0.10247	0.20870		0.99901
47 Dibenzofuran	+++++	+++++	1.94658	1.91022	1.65176	1.70121						
	1.66716	1.58648	1.51484				AVG	N\A		1.71118		9.38355
48 2,4-Dinitrotoluene	+++++	+++++	0.38393	0.44099	0.36304	0.37277						
	0.38571	0.36103	0.34495				AVG	N\A		0.37892		8.12587
49 4-Nitrophenol ++	+++++	+++++	0.12440	0.16552	0.14622	0.15190						
	0.15899	0.13963	0.13307				AVG	N\A		0.14568		9.93973
50 Diethylphthalate	+++++	+++++	1.27006	1.25619	1.01867	1.05533						
	1.05770	0.99362	0.91276				AVG	N\A		1.08062		12.38456
51 Fluorene	+++++	1.52234	1.48246	1.52084	1.29666	1.34203						
	1.30998	1.21223	1.13820				AVG	N\A		1.35309		10.62603
52 4-Chlorophenyl-phenylether	+++++	+++++	+++++	0.67272	0.57622	0.58997						
	0.59982	0.56810	0.55410				AVG	N\A		0.59349		7.07847

000723

167184

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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
53 4-Nitroaniline	+++++	+++++	0.31370	0.28357	0.24865	0.24686						
	0.24752	0.22330	0.20052				AVG	N\A		0.25202		14.78901
54 4,6-Dinitro-o-cresol	+++++	+++++	+++++	0.15188	0.17323	0.17887						
	0.19353	0.18264	0.19042				AVG	N\A		0.17843		8.39397
55 N-nitrosodiphenylamine (1)+	+++++	+++++	+++++	0.64692	0.55530	0.59167						
	0.59772	0.58003	0.57054				AVG	N\A		0.59036		5.34773
56 Azobenzene	+++++	1.11906	1.12667	1.20695	1.02105	1.11740						
	1.06583	1.01015	0.93618				AVG	N\A		1.07541		7.88164
58 4-Bromophenyl-phenylether	+++++	0.18952	0.20336	0.22565	0.20335	0.22304						
	0.23069	0.23523	0.23059				AVG	N\A		0.21768		7.64789
59 Hexachlorobenzene	+++++	0.28467	0.28514	0.29098	0.26751	0.28053						
	0.30057	0.29552	0.29459				AVG	N\A		0.28744		3.62350
60 Pentachlorophenol +	+++++	+++++	+++++	0.14516	0.16783	0.17361						
	0.19052	0.18622	0.19098				AVG	N\A		0.17572		10.06076

000724

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
	62 Phenanthrene	+++++	1.37253	1.36268	1.30849	1.12352	1.17636						
		1.16274	1.10930	1.06211				AVG	N\A		1.20972		9.99243
	63 Anthracene	+++++	1.23423	1.29171	1.29779	1.12881	1.18415						
		1.18414	1.13808	1.06119				AVG	N\A		1.19001		6.88711
	64 Carbazole	+++++	+++++	+++++	1.03149	0.94747	0.93727						
		0.94765	0.88624	0.83630				AVG	N\A		0.93107		7.06874
	65 Di-n-butylphthalate	+++++	0.93335	1.05341	1.16207	1.11692	1.12894						
		1.12074	1.05818	0.99113				AVG	N\A		1.07059		7.23794
M	66 Total Methylphenol	+++++	+++++	+++++	2.30587	1.79109	1.92142						
		1.86499	1.74039	1.63267				AVG	N\A		1.87607		12.42725
	67 Fluoranthene +	+++++	1.01277	1.06747	1.08592	1.08233	1.06585						
		1.07244	1.01543	0.92972				AVG	N\A		1.04149		5.11502
	68 Benzidine	+++++	0.12726	0.16572	0.23037	0.08355	0.09686						
		0.05703	+++++	+++++				AVG	N\A		0.12680		49.72386

000725

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
69 Pyrene	+++++	1.73145	1.79965	1.80375	1.38126	1.53673						
	1.52642	1.53821	1.58793				AVG	N\A		1.61317		9.32764
71 Butylbenzylphthalate	+++++	+++++	+++++	0.59399	0.55628	0.59480						
	0.58419	0.58314	0.57971				AVG	N\A		0.58202		2.40640
72 Benzo(a)anthracene	4154	20586	36545	182797	906414	1261949						
	2120757	2368933	3217470				LNR	NO	0.04881	1.26261		0.99804
73 3,3'-Dichlorobenzidine	+++++	+++++	0.32431	0.34587	0.34352	0.34939						
	0.33588	0.32616	0.30757				AVG	N\A		0.33324		4.45450
75 Chrysene	+++++	1.34271	1.60594	1.48359	1.23695	1.32096						
	1.29419	1.25441	1.22759				AVG	N\A		1.34579		9.89462
76 bis(2-Ethylhexyl)phthalate	+++++	+++++	+++++	112650	576760	842286						
	1275633	1466774	1867639				LNR	NO	0.00854	0.75092		0.99932
77 Di-n-octylphthalate +	+++++	+++++	+++++	0.72775	1.09311	1.19220						
	1.19594	1.19939	1.16687				AVG	N\A		1.09588		16.85431

000726

167187

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
78 Benzo(b)fluoranthene	1181	4007	15742	80190	629913	1004242						
	1700392	2388799	+++++				QUA	NO	0.03307	1.02364	-0.05305	0.99934
79 Benzo(k)fluoranthene	+++++	1.34592	1.53838	2.06847	1.83167	1.73578						
	1.73642	1.50737	1.63484				AVG	N\A		1.67486		13.22632
80 Benzo(a)pyrene +	+++++	+++++	+++++	0.88060	1.15372	1.24964						
	1.28145	1.26699	1.24009				AVG	N\A		1.17875		12.95757
82 Indeno(1,2,3-cd)pyrene	760	4855	10067	40177	840149	1342151						
	2257877	3014057	4216218				QUA	NO	0.08068	0.85989	-0.03346	0.99820
83 Dibenzo(a,h)anthracene	+++++	3166	15745	82804	730716	1175280						
	2012598	2673892	3706980				QUA	NO	0.07114	0.80498	-0.02406	0.99907
84 Benzo(g,h,i)perylene	+++++	5917	17338	112045	797748	1305644						
	2122246	2652405	3965393				QUA	NO	0.03399	0.78597	-0.02362	0.99825
85 2-Picoline	+++++	+++++	0.53488	0.40372	0.51399	0.49758						
	0.46746	0.47798	0.44294				AVG	N\A		0.47694		9.28417

127000

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	0.25293	0.24894	0.20897	0.19900						
	0.20520	0.20888	0.20875				AVG	N\A		0.21895		10.12003
87 Methyl methanesulfonate	+++++	+++++	5429	31841	123242	162780						
	212283	318509	442019				QUA	NO	-0.11238	4.31104	-0.43569	0.99675
88 N-Nitrosodiethylamine	+++++	+++++	+++++	0.41497	0.34966	0.34255						
	0.33253	0.33329	0.33358				AVG	N\A		0.35110		9.11759
89 Ethyl methanesulfonate	+++++	+++++	+++++	100765	412653	560295						
	777328	1044703	1395760				LNR	NO	-0.13211	0.85451		0.99981
90 Pentachloroethane	+++++	+++++	+++++	0.61755	0.55417	0.52720						
	0.53714	0.53449	0.50785				AVG	N\A		0.54640		6.94753
91 Acetophenone	+++++	+++++	2.83007	2.86250	2.26016	2.38530						
	2.39407	2.22094	2.09452				AVG	N\A		2.43536		12.26469
92 O-Toluidine	+++++	+++++	56558	341803	1229508	1552998						
	1985048	2372277	+++++				QUA	NO	0.01430	0.21065	0.03471	0.99916

82,000

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
93 N-Nitrosomorpholine	+++++	+++++	26134	149637	539767	719395						
	995803	1252320	1606229				QUA	NO	-0.02297	0.69540	0.05976	0.99950
94 N-Nitrosopiperidine	+++++	+++++	+++++	150116	563379	744630						
	1059388	1348174	1762132				LNR	NO	-0.21093	0.26705		0.99667
95 0,0,0-Triethylphosphorothio	+++++	+++++	+++++	0.21788	0.18158	0.17499						
	0.17749	0.18060	0.17578				AVG	N\A		0.18472		8.90518
96 Alpha,Alpha-Dimethylpheneth	+++++	+++++	+++++	+++++	0.89836	1.10712						
	1.07955	1.06028	0.96265				AVG	N\A		1.02159		8.59386
97 Hexachloropropene	+++++	+++++	+++++	0.19244	0.19967	0.19288						
	0.19589	0.20336	0.19247				AVG	N\A		0.19612		2.30729
98 2,6-Dichlorophenol	+++++	+++++	0.25043	0.31778	0.26681	0.24865						
	0.24524	0.24016	0.23040				AVG	N\A		0.25707		11.26630
99 N-Nitrosodi-n-butylamine	+++++	+++++	+++++	158415	573652	742160						
	1072868	1313587	1777890				LNR	NO	-0.23665	0.26488		0.99770

02/2009

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
100 p-Phenylenediamine	+++++	+++++	0.35885	0.49480	0.12761	0.14069						
	0.12381	+++++	+++++				AVG	N\A		0.24915		67.94185
101 Isosafrole	+++++	+++++	+++++	0.16677	0.13702	0.12898						
	0.13031	0.12540	0.12237				AVG	N\A		0.13514		12.03688
102 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	0.61035	0.59938	0.57255						
	0.57470	0.58401	0.57183				AVG	N\A		0.58547		2.73639
103 Safrole	+++++	+++++	+++++	1.16516	1.06655	1.05151						
	1.00144	1.00014	0.94964				AVG	N\A		1.03907		7.16805
104 1,4-Naphthoquinone	+++++	+++++	18337	121179	340139	422654						
	520319	+++++	+++++				QUA	NO	0.04041	0.98963	3.42562	0.99903
105 m-Dinitrobenzene	+++++	+++++	0.18029	0.25212	0.23260	0.23120						
	0.22917	0.23285	0.22389				AVG	N\A		0.22602		9.73386
106 Pentachlorobenzene	+++++	+++++	+++++	0.54238	0.48880	0.48533						
	0.50450	0.51089	0.50469				AVG	N\A		0.50610		4.02484

000230

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	45657	330764	1029887	1360133						
	1772137	2078818	2578539				QUA	NO	0.02215	0.58585	0.18933	0.99929
108 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	0.26867	0.25223	0.26108						
	0.26547	0.27404	0.25854				AVG	N\A		0.26334		2.93667
109 1-Naphthylamine	+++++	+++++	56450	346482	1090408	1463781						
	1861645	2248924	+++++				QUA	NO	-0.01364	0.67397	0.12392	0.99836
110 Thionazin	+++++	+++++	0.29308	0.35865	0.27707	0.27176						
	0.24424	0.24826	+++++				AVG	N\A		0.28218		14.77532
111 5-Nitro-o-toluidine	+++++	+++++	+++++	89915	306294	431802						
	582554	695284	859553				QUA	NO	0.07089	2.05958	1.40933	0.99771
112 Tetraethyldithiopyrophospha	+++++	+++++	+++++	0.26868	0.24053	0.25291						
	0.27310	0.28101	0.24690				AVG	N\A		0.26052		6.16074
113 Diallate	+++++	+++++	54666	312149	926582	1255384						
	1726584	2074432	+++++				QUA	NO	-0.07113	2.69723	0.51141	0.99935

000731

167192

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
114 Phorate	+++++	+++++	54913	354765	1096125	1579401						
	2107689	2662480	3224363				LNR	NO	-0.17111	0.64974		0.99574
115 sym-Trinitrobenzene	+++++	+++++	+++++	0.07794	0.08543	0.09649						
	0.09477	0.09765	0.09812				AVG	N\A		0.09173		8.95947
116 Phenacetin	+++++	+++++	+++++	0.46702	0.40991	0.42397						
	0.39371	0.38322	0.36493				AVG	N\A		0.40713		8.79553
117 Dimethoate	+++++	+++++	+++++	172683	536527	834661						
	1110362	1391935	1669719				LNR	NO	-0.23766	0.33231		0.99539
118 Pentachloronitrobenzene	+++++	+++++	+++++	0.08784	0.07743	0.07690						
	0.07766	0.07670	0.07393				AVG	N\A		0.07841		6.13722
119 4-Aminobiphenyl	+++++	+++++	50497	320485	993115	1442483						
	1810977	2162178	+++++				QUA	NO	0.00900	0.99985	0.36033	0.99946
120 Pronamide	+++++	+++++	+++++	0.35135	0.30087	0.30412						
	0.30091	0.31569	0.29125				AVG	N\A		0.31070		6.89068

000232

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
121 Dinoseb	+++++	+++++	+++++	0.17152	0.19579	0.20804						
	0.21804	0.23097	0.22046				AVG	N\A		0.20747		10.25112
122 Disulfoton	+++++	+++++	34751	221242	649861	946166						
	1304962	1567983	+++++				LNR	NO	-0.13644	0.40313		0.99544
123 Methyl parathion	+++++	+++++	0.25756	0.35530	0.29303	0.29350						
	0.26764	0.26702	0.24542				AVG	N\A		0.28278		12.90366
124 4-Nitroquinoline-1-oxide	+++++	+++++	+++++	21040	98917	182771						
	259553	345109	456893				QUA	NO	0.09940	11.96112	-2.87439	0.99889
125 Parathion	+++++	+++++	+++++	0.20211	0.16434	0.17042						
	0.15706	0.15513	0.14496				AVG	N\A		0.16567		11.97045
126 Metapyrilene	+++++	+++++	27975	175507	421782	633958						
	750966	865269	+++++				QUA	NO	0.02359	1.59609	3.19930	0.99673
127 Isodrin	+++++	+++++	+++++	0.14659	0.12415	0.12367						
	0.12385	0.12356	0.11979				AVG	N\A		0.12694		7.69289

000733

167194

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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
128 Aramite	+++++	+++++	+++++	0.05374	0.04492	0.04227						
	0.04245	0.04259	0.03903				AVG	N\A		0.04417		11.43472
129 p-(Dimethylamino)azobenzene	+++++	+++++	18928	134381	464004	766307						
	998378	1302996	1621425				QUA	NO	0.00842	2.10308	0.56387	0.99633
130 Chlorobenzilate	+++++	+++++	+++++	0.45881	0.38002	0.38328						
	0.39157	0.40517	0.37188				AVG	N\A		0.39845		7.94559
131 Famphur	+++++	+++++	0.35197	0.39929	0.20099	0.09565						
	0.04721	+++++	+++++				AVG	N\A		0.21902		70.45271
132 3,3'-Dimethyl benzidine	+++++	+++++	28294	207815	645398	970758						
	1107468	1298723	1634546				QUA	NO	0.05501	0.57383	1.52041	0.99983
133 2-Acetylaminofluorene	+++++	+++++	+++++	0.45872	0.49486	0.46955						
	0.50172	0.48448	0.46279				AVG	N\A		0.47869		3.69052
134 7,12-Dimethylbenz(a)anthrac	+++++	+++++	+++++	0.62484	0.58294	0.61835						
	0.61687	0.64446	0.62179				AVG	N\A		0.61821		3.22814

0007734

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
135 Hexachlorophene	+++++	+++++	+++++	0.00298	0.03296	0.05677						
	0.06757	0.06112	0.06872				AVG	N\A		0.04835		53.23786
136 3-Methyl cholanthrene	+++++	+++++	12250	101747	513208	886928						
	1302283	1655815	2270531				LNR	NO	0.05996	0.57296		0.99955
137 Acrylamide	+++++	+++++	0.14453	0.14490	0.10556	0.12281						
	0.12633	0.13175	+++++				AVG	N\A		0.12931		11.44755
138 N-Nitrosopyrrolidine	+++++	+++++	1.41412	1.12286	0.98275	1.08882						
	1.08365	1.05030	+++++				AVG	N\A		1.12375		13.34323
139 Pthalic Acid & Anhydride	+++++	+++++	+++++	0.11456	0.13821	0.14024						
	0.12208	0.11742	+++++				AVG	N\A		0.12650		9.44119
140 1,4-Dinitrobenzene	+++++	+++++	0.32554	0.32172	0.28312	0.30369						
	0.28332	0.28169	+++++				AVG	N\A		0.29985		6.73067
141 Kepone	+++++	+++++	0.08805	0.09250	0.08673	0.09867						
	0.09147	0.09583	+++++				AVG	N\A		0.09221		4.91836

000235

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	0.17195	0.20159	0.17938	0.18244						
	0.16820	0.17905	+++++				AVG	N\A		0.18044		6.44576
143 Tris2,3Dibromopropylphospha	+++++	+++++	572	38758	20922	65351						
	58693	90004	+++++				QUA	NO	0.00418	13.09039	-15.87940	0.99825
144 Maleic Anhydride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
145 1-Methylnapthalene	+++++	0.79711	0.75410	0.79271	0.62847	0.65128						
	0.65066	0.60811	0.57279				AVG	N\A		0.68190		12.74637
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	+++++	+++++	+++++	294536	1769669	+++++						
	1516837	+++++	+++++				LNR	NO	-0.12297	1.55666		0.99932

000736

167197

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
149 3/4-Chlorophenol	+++++	+++++	55503	165767	735526	1118849						
	1603833	2877853	+++++				QUA	NO	-0.25408	1.13976	-0.03175	0.99264
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	+++++	+++++	17225	65561	323740	519781						
	716571	1433647	+++++				QUA	NO	-0.05934	2.64417	-0.37586	0.99744
154 Dimethyl Benzyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
155 Benzaldehyde	+++++	1866	4026	55450	184351	219706						
	258681	291060	+++++				QUA	NO	0.10675	-0.96563	4.28432	0.99029
156 Caprolactam	+++++	0.12226	0.12481	0.13171	0.10259	0.10817						
	0.09914	0.10538	0.08490				AVG	N\A		0.10987		14.05042

000237

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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
157 Biphenyl	+++++ / 2392087	+++++ / 2829973	+++++ / 3884791	330347	1125424	1683498	QUA	NO	0.12682	0.68410	0.32091	0.99328
158 Atrazine	0.16735 / 0.21430	0.15186 / 0.20936	0.18008 / 0.19845	0.18637	0.14683	0.18898	AVG	N\A		0.18262		12.97340
159 Dicyclopentadiene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
169 Benzenethiol	+++++ / 0.02814	+++++ / 0.02488	+++++ / 0.02311	0.02614	0.02919	0.02796	AVG	N\A		0.02657		8.63494
170 Indene	+++++ / 0.92636	+++++ / 0.90112	+++++ / 0.88766	1.04209	0.94735	0.92323	AVG	N\A		0.93797		5.87252
171 Quinoline	+++++ / 0.78163	+++++ / 0.71313	+++++ / 0.68427	0.91398	0.82829	0.78153	AVG	N\A		0.78380		10.49538
172 Methyl Chrysene	+++++ / 0.50187	+++++ / 0.58968	+++++ / 0.43023	0.35894	0.46295	0.51726	AVG	N\A		0.47682		16.58264

000738

167199

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
173 Dibenz(a,h)acridine	+++++	+++++	+++++	3369	43976	119497						
	203372	315058	315959				QUA	NO	0.21062	5.43365	-1.35741	0.99451
174 1,4-Dioxane	+++++	+++++	0.28978	0.29184	0.23631	0.23840						
	0.30772	0.08562	0.09271				AVG	N\A		0.22034		42.48937
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

000739

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000740

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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									
187 2-3H Benzothiazolone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
188 2-3H Benzothiazolethione	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
189 2-tet-Butyl-4-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
190 Methylbenzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
191 2,3,4-Trichlorophenol	+++++	+++++	15571	48573	232691	369247						
	533133	+++++	+++++				LNR	NO	-0.04131	0.17153		0.99901
192 2,3,5,6-Tetrachlorophenol	+++++	+++++	11390	38328	205846	330057						
	570561	1027633	+++++				QUA	NO	0.01566	3.64891	-0.75955	0.99739
193 3,4,5-Trichlorophenol	+++++	+++++	11779	38570	214791	351749						
	484924	1071071	+++++				QUA	NO	-0.05113	4.01278	-0.95406	0.99691

000741

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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	+++++	+++++	55819	177169	797591	1266502						
	1873588	3432390	+++++				QUA	NO	-0.21236	1.01185	-0.02735	0.99547
196 2,3,4,5-Tetrachlorophenol	+++++	+++++	0.88716	0.59498	0.78181	0.77343						
	0.61735	1.09269	+++++				AVG	N\A		0.79124		23.25144
197 Dimethylformamide	+++++	+++++	+++++	0.19728	0.41093	0.39737						
	0.35320	0.27162	0.23066				AVG	N\A		0.31018		28.89464
198 4,4-Isopropylidene	+++++	+++++	+++++	0.24715	0.31086	0.34687						
	0.34008	0.38426	0.33825				AVG	N\A		0.32791		14.04420
$ 3 2-Fluorophenol	+++++	+++++	+++++	0.36898	0.34587	0.35888						
	0.39315	0.38300	0.35248				AVG	N\A		0.36706		4.97488
$ 4 Phenol-d5	+++++	+++++	+++++	1.89333	1.60061	1.71816						
	1.72801	1.66783	1.66842				AVG	N\A		1.71273		5.80514

0001242

167203

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 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
$ 19 Nitrobenzene-d5	+++++	+++++	+++++	0.62437	0.52670	0.53170						
	0.53048	0.51471	0.48921				AVG	N\A		0.53620		8.58210
$ 37 2-Fluorobiphenyl	+++++	1.49771	1.50700	1.52389	1.40020	1.42773						
	1.38733	1.34602	1.29298				AVG	N\A		1.42286		5.78715
$ 57 2,4,6-Tribromophenol	+++++	+++++	+++++	0.17375	0.16436	0.17639						
	0.18909	0.18369	0.18451				AVG	N\A		0.17863		5.01856
$ 70 Terphenyl-d14	+++++	+++++	+++++	1.14255	0.95880	1.03807						
	1.07958	1.06497	1.09589				AVG	N\A		1.06331		5.82296

000743

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 10:53
End Cal Date : 03-AUG-2006 11:36
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Cal Date : 31-Aug-2006 08:32 rlw

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Average %RSD Results.
Calculated Average %RSD = 11.67902
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

000744

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2060803.s.b/d0921.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 03-AUG-2006 09:30
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1100*4-55-15*
Misc Info : DFTPP*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/dftpp_05.m
Meth Date : 27-Jul-2006 08:02 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		
4.220	4.379	-0.159	198	146024			100.00- 100.00	100.00
4.220	4.379	-0.159	51	63290			30.00- 60.00	43.34
4.220	4.379	-0.159	68	780			0.00- 2.00	1.18
4.220	4.379	-0.159	69	66066			0.00- 0.00	45.24
4.220	4.379	-0.159	70	265			0.00- 2.00	0.40
4.220	4.379	-0.159	127	66539			40.00- 60.00	45.57
4.220	4.379	-0.159	197	453			0.00- 1.00	0.31
4.220	4.379	-0.159	199	9293			5.00- 9.00	6.36
4.220	4.379	-0.159	275	32368			10.00- 30.00	22.17
4.220	4.379	-0.159	365	4034			1.00- 0.00	2.76
4.220	4.379	-0.159	441	18738			0.01- 99.99	72.67
4.220	4.379	-0.159	442	130861			40.00- 100.00	89.62

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.220	4.379	-0.159	443	25786			17.00- 23.00	19.70

Data File: /var/chem/MSSV5.i/2060803.s.b/d0921.d

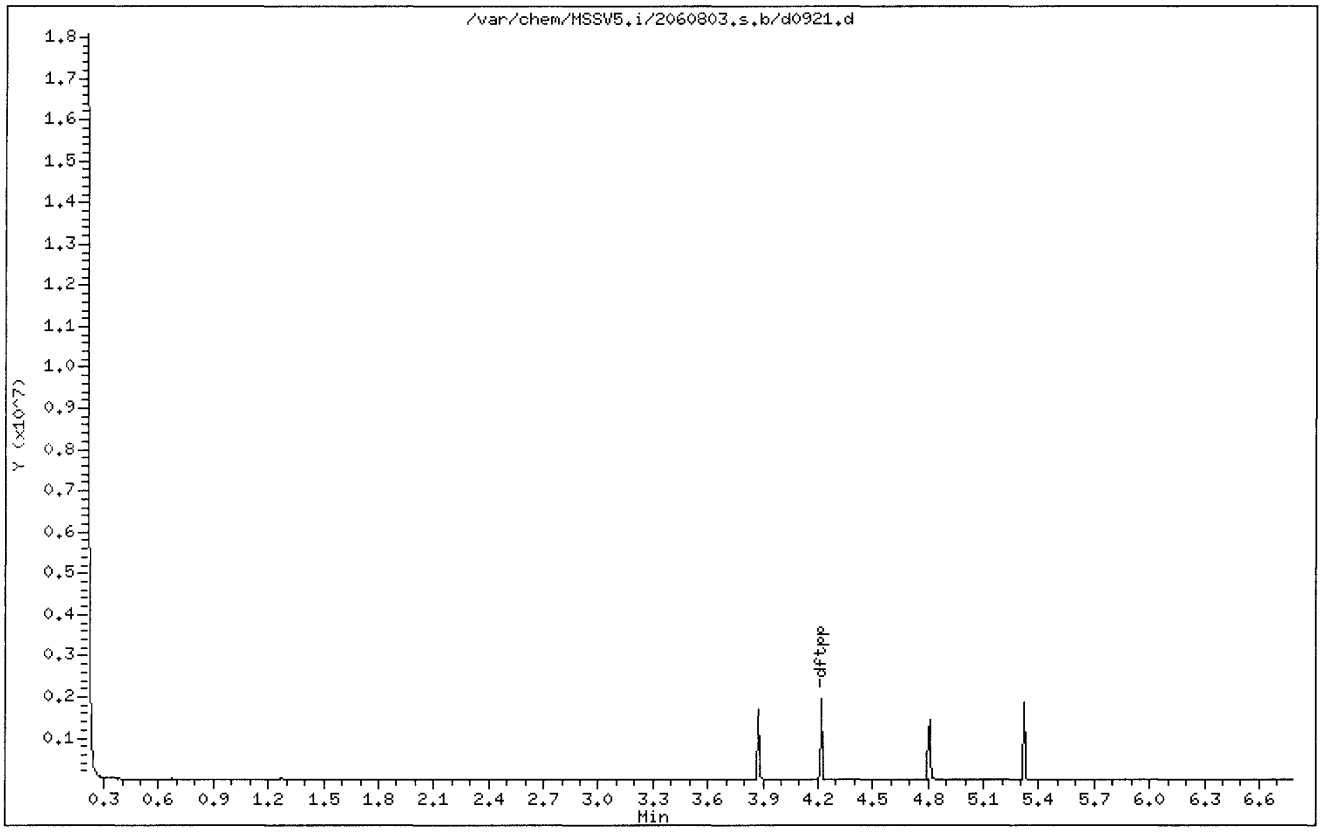
Date : 03-AUG-2006 09:30

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



000747

167208

Data File: /var/chem/MSSV5.i/2060803.s.b/d0921.d

Date : 03-AUG-2006 09:30

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

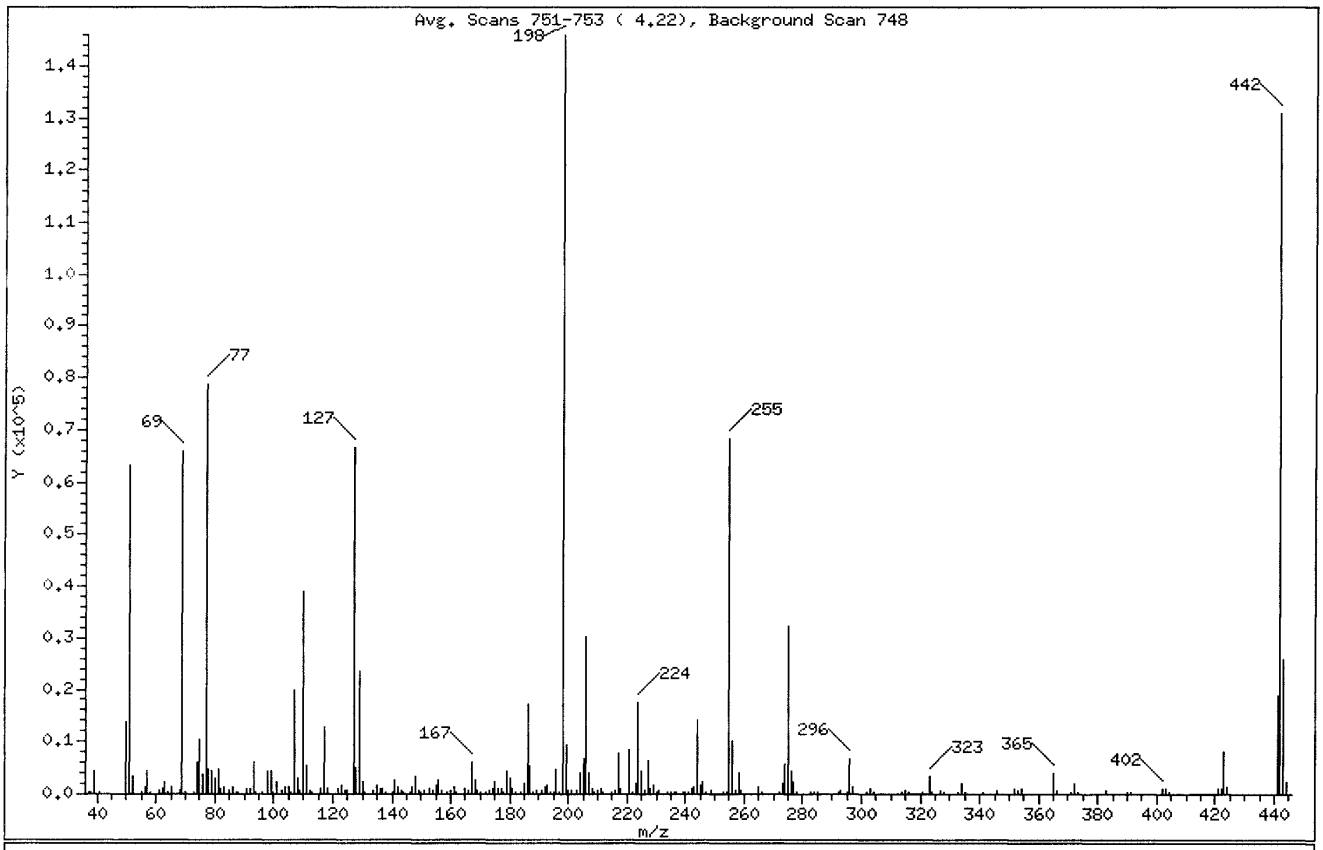
Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 2.00

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	43.34
68	Less than 2.00% of mass 69	0.53 (1.18)
69	Mass 69 relative abundance	45.24
70	Less than 2.00% of mass 69	0.18 (0.40)
127	40.00 - 60.00% of mass 198	45.57
197	Less than 1.00% of mass 198	0.31
199	5.00 - 9.00% of mass 198	6.36
275	10.00 - 30.00% of mass 198	22.17
365	Greater than 1.00% of mass 198	2.76
441	Present, but less than mass 443	12.83
442	40.00 - 100.00% of mass 198	89.62
443	17.00 - 23.00% of mass 442	17.66 (19.70)

Data File: /var/chem/MSSV5.i/2060803.s.b/d0921.d

Date : 03-AUG-2006 09:30

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: d0921.d
Spectrum: Avg. Scans 751-753 (4.22), Background Scan 748
Location of Maximum: 198.00
Number of points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	257	128.00	5055	202.00	78	289.00	63
38.00	395	129.00	23432	203.00	655	290.00	91
39.00	4442	130.00	2201	204.00	3905	291.00	71
41.00	210	131.00	296	205.00	6690	292.00	198
45.00	99	132.00	161	206.00	30120	293.00	638
49.00	26	133.00	106	207.00	4086	294.00	110
50.00	13727	134.00	614	208.00	1012	295.00	198
51.00	63288	135.00	1622	209.00	206	296.00	6656
52.00	3312	136.00	865	210.00	594	297.00	1357
53.00	100	137.00	992	211.00	1080	298.00	62
55.00	257	138.00	253	212.00	196	302.00	184
56.00	1428	140.00	205	213.00	139	303.00	1082
57.00	4408	141.00	2785	215.00	401	304.00	272
58.00	200	142.00	1183	216.00	531	309.00	57
61.00	787	143.00	646	217.00	7825	310.00	67
62.00	871	144.00	215	218.00	899	313.00	71
63.00	2516	145.00	131	219.00	53	314.00	315
64.00	351	146.00	440	221.00	8378	315.00	707
65.00	1224	147.00	1354	222.00	342	316.00	460
66.00	52	148.00	3225	223.00	1897	321.00	209
67.00	55	149.00	560	224.00	17376	322.00	74
68.00	780	150.00	217	225.00	4482	323.00	3352
69.00	66064	151.00	525	226.00	593	324.00	415
70.00	265	152.00	87	227.00	6432	326.00	54
73.00	284	153.00	1077	228.00	991	327.00	640
74.00	5951	154.00	646	229.00	1719	328.00	342
75.00	10276	155.00	1612	230.00	402	332.00	133
76.00	3596	156.00	2591	231.00	594	333.00	281
77.00	78584	157.00	835	233.00	57	334.00	1974
78.00	4651	158.00	167	234.00	328	335.00	491
79.00	4228	159.00	378	235.00	417	336.00	50
80.00	3195	160.00	810	236.00	232	341.00	462
81.00	4639	161.00	1507	237.00	460	342.00	86
82.00	1078	162.00	437	238.00	60	346.00	628
83.00	1321	163.00	119	239.00	269	347.00	123

167210

Data File: /var/chem/MSSV5.i/2060803.s.b/d0921.d

Date : 03-AUG-2006 09:30

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: d0921.d
Spectrum: Avg. Scans 751-753 (4.22), Background Scan 748
Location of Maximum: 198.00
Number of points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	761	164.00	165	240.00	202	351.00	52
86.00	1283	165.00	1109	241.00	424	352.00	1071
87.00	492	166.00	703	242.00	913	353.00	620
88.00	410	167.00	6091	243.00	1202	354.00	1023
89.00	108	168.00	2637	244.00	14008	355.00	90
91.00	959	169.00	510	245.00	1707	359.00	92
92.00	949	170.00	206	246.00	2418	365.00	4034
93.00	5930	171.00	63	247.00	463	366.00	512
94.00	453	172.00	434	249.00	690	370.00	70
96.00	418	173.00	626	252.00	76	371.00	314
97.00	166	174.00	1113	253.00	187	372.00	2045
98.00	4498	175.00	2479	254.00	419	373.00	458
99.00	4460	176.00	876	255.00	68360	374.00	52
100.00	305	177.00	1032	256.00	10066	381.00	65
101.00	2512	178.00	369	257.00	684	383.00	564
103.00	808	179.00	4444	258.00	4103	390.00	348
104.00	1203	180.00	2948	259.00	667	391.00	185
105.00	1379	181.00	1139	260.00	89	392.00	137
106.00	331	182.00	233	261.00	77	401.00	66
107.00	19936	184.00	260	264.00	119	402.00	1132
108.00	2874	185.00	1882	265.00	1399	403.00	980
109.00	547	186.00	17104	266.00	269	404.00	430
110.00	39136	187.00	5255	268.00	60	405.00	50
111.00	5361	188.00	314	270.00	135	410.00	63
112.00	513	189.00	798	271.00	146	415.00	66
113.00	287	190.00	150	272.00	187	421.00	1162
115.00	91	191.00	514	273.00	1958	422.00	998
116.00	890	192.00	1261	274.00	5615	423.00	8042
117.00	12719	193.00	1571	275.00	32368	424.00	1365
118.00	1109	194.00	270	276.00	4436	425.00	92
119.00	68	195.00	186	277.00	2205	441.00	18736
120.00	94	196.00	4554	278.00	426	442.00	130856
122.00	1098	197.00	453	279.00	113	443.00	25784
123.00	1780	198.00	145984	282.00	59	444.00	2313
124.00	766	199.00	9293	283.00	321	445.00	163

167211

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0922.d
Lab Smp Id: 1205 Client Smp ID: STD050
Inj Date : 03-AUG-2006 09:42
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1205*4-57-9*
Misc Info : STD050*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 09:42 Cal File: d0922.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)	ON-COL (ppm)
	2 Pyridine	79	0.316	0.316	(0.276)	97409	50.0000	50.0(M)
	1 n-Nitrosodimethylamine	42	0.310	0.310	(0.271)	105874	50.0000	50.0
$	3 2-Fluorophenol	112	0.546	0.546	(0.477)	127996	50.0000	50.0
$	4 Phenol-d5	99	0.931	0.931	(0.813)	592346	50.0000	50.0
	5 Aniline	93	0.904	0.904	(0.790)	566532	50.0000	50.0
	6 Phenol +	94	0.942	0.942	(0.822)	735105	50.0000	50.0
	7 bis(-2-Chloroethyl)Ether	63	0.968	0.968	(0.846)	699241	50.0000	50.0
	8 2-Chlorophenol	128	0.984	0.984	(0.860)	600506	50.0000	50.0
	9 1,3-Dichlorobenzene	146	1.097	1.097	(0.958)	687914	50.0000	50.0
*	10 1,4-Dichlorobenzene-d4	152	1.139	1.139	(1.000)	296060	40.0000	
	11 1,4-Dichlorobenzene +	146	1.155	1.155	(1.009)	691695	50.0000	50.0
	12 Benzyl alcohol	108	1.284	1.284	(1.121)	480706	50.0000	50.0
	13 1,2-Dichlorobenzene	146	1.268	1.268	(1.107)	661401	50.0000	50.0

			QUANT SIG					AMOUNTS	
								CAL-AMT	ON-COL
	Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	15	2-Methylphenol	108	1.396	1.396	(1.220)	649585	50.0000	50.0
	14	Bis(2-chloroisopropyl)ether	45	1.385	1.385	(1.210)	1026447	50.0000	50.0
	17	3- & 4-Methylphenol	108	1.514	1.514	(1.322)	676089	50.0000	50.0
	16	N-Nitroso-di-n-propylamine++	70	1.487	1.487	(1.299)	522898	50.0000	50.0
	18	Hexachloroethane	117	1.503	1.503	(1.313)	265342	50.0000	50.0
$	19	Nitrobenzene-d5	82	1.557	1.557	(0.772)	759016	50.0000	50.0
	20	Nitrobenzene	77	1.573	1.573	(0.780)	775190	50.0000	50.0
	21	Isophorone	82	1.744	1.744	(0.865)	1320030	50.0000	50.0
	22	2-Nitrophenol +	139	1.787	1.787	(0.886)	331191	50.0000	50.0
	23	2,4-Dimethyphenol	107	1.861	1.861	(0.923)	668301	50.0000	50.0
	24	bis(-2-Chloroethoxy)methane	93	1.910	1.910	(0.947)	758726	50.0000	50.0
	25	Benzoic Acid	122	1.990	1.990	(0.987)	246639	50.0000	50.0
	26	2,4-Dichlorophenol +	162	1.952	1.952	(0.968)	454738	50.0000	50.0
	27	1,2,4-Trichlorobenzene	180	1.990	1.990	(0.987)	498374	50.0000	50.0
*	28	Naphthalene-d8	136	2.017	2.017	(1.000)	1152854	40.0000	
	29	Naphthalene	128	2.027	2.027	(1.005)	1596733	50.0000	50.0
	30	4-Chloroaniline	127	2.091	2.091	(1.037)	526247	50.0000	50.0
	31	Hexachlorobutadiene +	225	2.129	2.129	(1.056)	308593	50.0000	50.0
	32	4-Chloro-3-Methylphenol +	107	2.434	2.434	(1.207)	510276	50.0000	50.0
	33	2-Methylnaphthalene	142	2.461	2.461	(1.220)	1109896	50.0000	50.0
	145	1-Methylnapthalene	142	2.519	2.519	(1.249)	905664	50.0000	50.0
	34	Hexachlorocyclopentadiene ++	237	2.568	2.568	(0.832)	318089	50.0000	50.0
	35	2,4,6-Trichlorophenol +	196	2.658	2.658	(0.861)	279253	50.0000	50.0
	36	2,4,5-Trichlorphenol	196	2.685	2.685	(0.870)	291090	50.0000	50.0
$	37	2-Fluorobiphenyl	172	2.701	2.701	(0.875)	991540	50.0000	50.0
	38	2-Chloronaphthalene	162	2.755	2.755	(0.893)	805897	50.0000	50.0
	39	2-Nitroaniline	138	2.840	2.840	(0.920)	266055	50.0000	50.0
	40	Dimethylphthalate	163	2.969	2.969	(0.962)	759555	50.0000	50.0
	41	2,6-Dinitrotoluene	165	2.995	2.995	(0.971)	197582	50.0000	50.0
	42	Acenaphthylene	152	3.001	3.001	(0.972)	1185407	50.0000	50.0
	43	3-Nitroaniline	138	3.092	3.092	(1.002)	198291	50.0000	50.0
*	44	Acenaphthene-d10	164	3.086	3.086	(1.000)	566513	40.0000	
	45	Acenaphthene +	153	3.108	3.108	(1.007)	879937	50.0000	50.0
	46	2,4-Dinitrophenol ++	184	3.156	3.156	(1.023)	131460	50.0000	50.0
	49	4-Nitrophenol ++	109	3.241	3.241	(1.050)	103544	50.0000	50.0
	47	Dibenzofuran	168	3.215	3.215	(1.042)	1169682	50.0000	50.0
	48	2,4-Dinitrotoluene	165	3.236	3.236	(1.049)	257085	50.0000	50.0
	50	Diethylphthalate	149	3.402	3.402	(1.102)	721359	50.0000	50.0
	52	4-Chlorophenyl-phenylether	204	3.439	3.439	(1.114)	408042	50.0000	50.0
	51	Fluorene	166	3.418	3.418	(1.107)	918220	50.0000	50.0
	53	4-Nitroaniline	138	3.461	3.461	(1.121)	176077	50.0000	50.0
	54	4,6-Dinitro-o-cresol	198	3.482	3.482	(0.876)	173567	50.0000	50.0
	55	N-nitrosodiphenylamine (1)+	169	3.514	3.514	(0.884)	556387	50.0000	50.0
	56	Azobenzene	77	3.530	3.530	(0.888)	1023052	50.0000	50.0
$	57	2,4,6-Tribromophenol	332	3.568	3.568	(1.156)	116393	50.0000	50.0
	58	4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	203745	50.0000	50.0
	59	Hexachlorobenzene	284	3.750	3.750	(0.943)	268037	50.0000	50.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.878	3.878	(0.976)	168161	50.0000	50.0
*	61 Phenanthrene-d10	188	3.974	3.974	(1.000)	801570	40.0000	
	62 Phenanthrene	178	3.990	3.990	(1.004)	1125720	50.0000	50.0
	63 Anthracene	178	4.017	4.017	(1.011)	1131029	50.0000	50.0
	64 Carbazole	167	4.135	4.135	(1.040)	949332	50.0000	50.0
	65 Di-n-butylphthalate	149	4.386	4.386	(1.104)	1119114	50.0000	50.0
	67 Fluoranthene +	202	4.696	4.696	(1.182)	1084453	50.0000	50.0
	68 Benzidine	184	4.809	4.809	(0.858)	66715	50.0000	50.0
	69 Pyrene	202	4.825	4.825	(0.861)	1102922	50.0000	50.0
$	70 Terphenyl-d14	244	4.958	4.958	(0.885)	765593	50.0000	50.0
	71 Butylbenzylphthalate	149	5.290	5.290	(0.944)	444181	50.0000	50.0
	73 3,3'-Dichlorobenzidine	252	5.611	5.611	(1.001)	274298	50.0000	50.0
	72 Benzo(a)anthracene	228	5.600	5.600	(0.999)	906414	50.0000	50.0
*	74 Chrysene-d12	240	5.606	5.606	(1.000)	638793	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.713	5.713	(1.019)	576760	50.0000	50.0
	75 Chrysene	228	5.622	5.622	(1.003)	987697	50.0000	50.0
	77 Di-n-octylphthalate +	149	6.189	6.189	(1.104)	872840	50.0000	50.0
	78 Benzo(b)fluoranthene	252	6.354	6.354	(0.960)	629913	50.0000	50.0
	79 Benzo(k)fluoranthene	252	6.376	6.376	(0.964)	1214745	50.0000	50.0
	80 Benzo(a)pyrene +	252	6.574	6.574	(0.994)	765135	50.0000	50.0
*	81 Perylene-d12	264	6.616	6.616	(1.000)	530551	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.328	7.328	(1.307)	840149	50.0000	50.0
	83 Dibenzo(a,h)anthracene	278	7.349	7.349	(1.111)	730716	50.0000	50.0
	84 Benzo(g,h,i)perylene	276	7.488	7.488	(1.132)	797748	50.0000	50.0
M	66 Total Methylphenol	108				1325674	100.000	100
	91 Acetophenone	105	1.466	1.466	(1.280)	836429	50.0000	50.0
	155 Benzaldehyde	77	0.835	0.835	(0.729)	184351	50.0000	50.0
	156 Caprolactam	113	2.332	2.332	(1.156)	147840	50.0000	50.0
	157 Biphenyl	154	2.760	2.760	(1.369)	1125424	50.0000	50.0
	158 Atrazine	200	3.862	3.862	(0.972)	147122	50.0000	50.0
	174 1,4-Dioxane	88	0.278	0.278	(0.243)	87451	50.0000	50.0

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060803.s.b/d0922.d

Date : 03-AUG-2006 09:42

Client ID: STD050

Sample Info: 1205*4-57-9*

Volume Injected (uL): 1.0

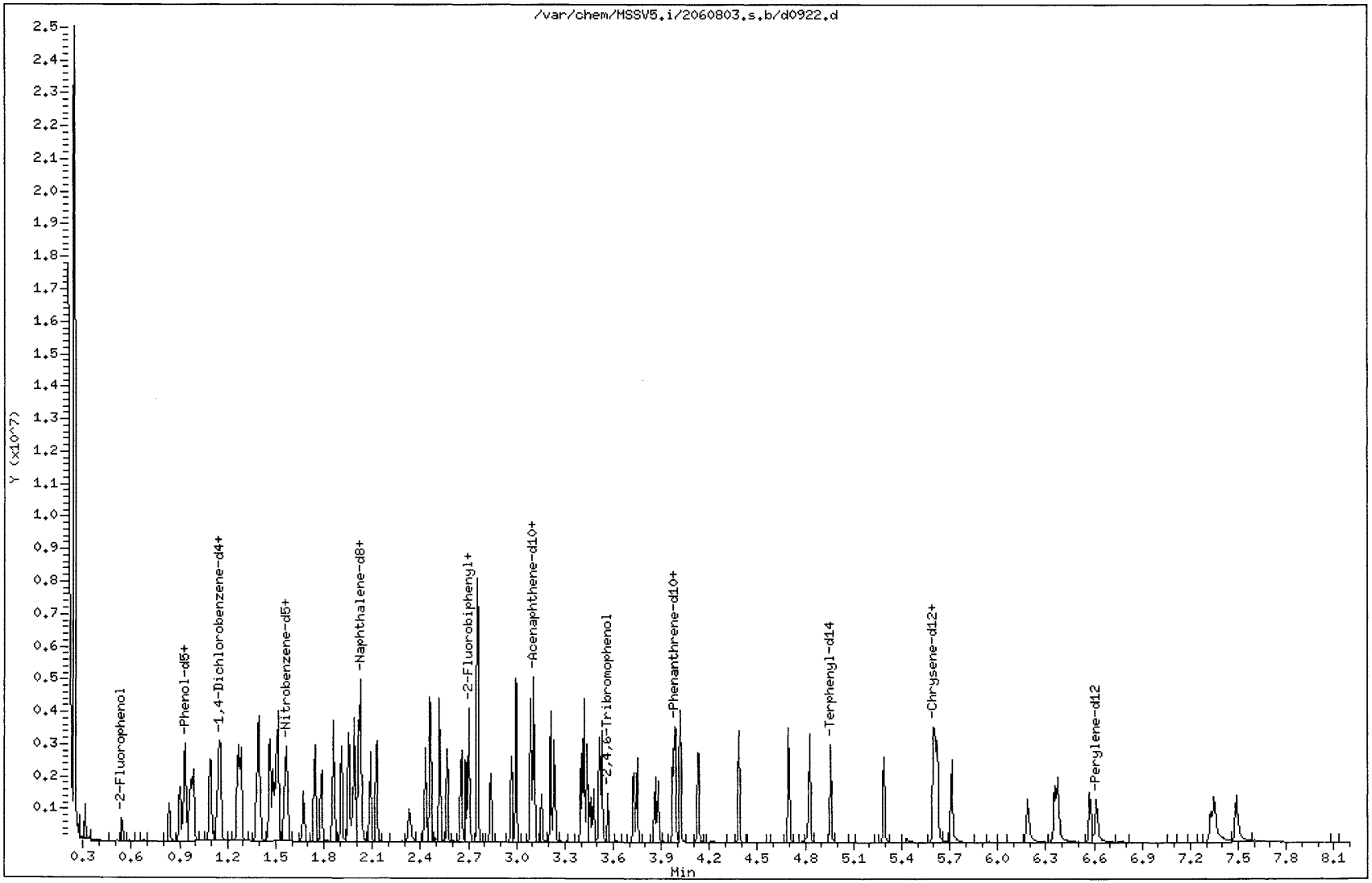
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: jar3

Column diameter: 0.25

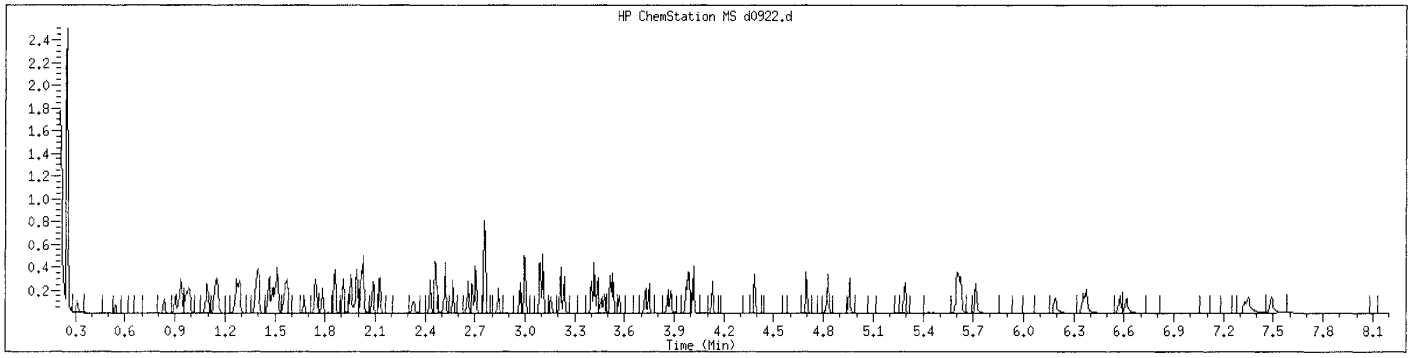
000754



Report Date: 08/24/2006 08:22

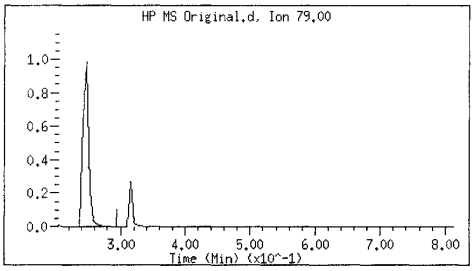
MANUAL INTEGRATION GRAPHIC REPORT

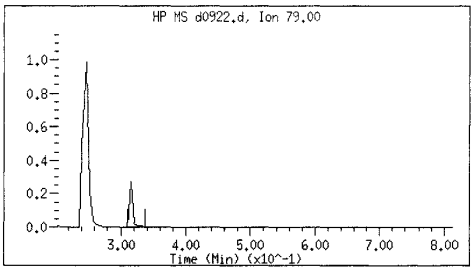
Lab ID : 1205 SampleType : CALIB_5
Injection Date: 03-AUG-2006 09:42 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1205*4-57-9*
Misc Info : STD050*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

2 Pyridine CAS#: 110-86-1





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167216

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0923.d
Lab Smp Id: 1204 Client Smp ID: STD010
Inj Date : 03-AUG-2006 09:56
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1204*4-57-10
Misc Info : STD010*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 09:56 Cal File: d0923.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	0.316	0.316	(0.277)	30636	10.0000	10.0(M)
	1 n-Nitrosodimethylamine	42	0.310	0.310	(0.272)	21509	10.0000	10.2
$	3 2-Fluorophenol	112	0.540	0.540	(0.474)	26748	10.0000	10.3
$	4 Phenol-d5	99	0.925	0.925	(0.812)	137251	10.0000	10.8
	5 Aniline	93	0.904	0.904	(0.793)	157032	10.0000	10.0
	6 Phenol +	94	0.931	0.931	(0.817)	171449	10.0000	10.9
	7 bis(-2-Chloroethyl)Ether	63	0.963	0.963	(0.845)	159970	10.0000	10.8
	8 2-Chlorophenol	128	0.984	0.984	(0.864)	136495	10.0000	10.7
	9 1,3-Dichlorobenzene	146	1.091	1.091	(0.958)	156372	10.0000	10.7
*	10 1,4-Dichlorobenzene-d4	152	1.139	1.139	(1.000)	289968	40.0000	
	11 1,4-Dichlorobenzene +	146	1.155	1.155	(1.014)	154634	10.0000	10.7
	12 Benzyl alcohol	108	1.278	1.278	(1.122)	112599	10.0000	10.9
	13 1,2-Dichlorobenzene	146	1.268	1.268	(1.113)	151366	10.0000	10.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.391	1.391	(1.221)	163236	10.0000	10.0
	14 Bis(2-chloroisopropyl)ether	45	1.385	1.385	(1.216)	255518	10.0000	10.0
	17 3- & 4-Methylphenol	108	1.508	1.508	(1.324)	171078	10.0000	10.0
	16 N-Nitroso-di-n-propylamine++	70	1.476	1.476	(1.296)	138387	10.0000	10.0
	18 Hexachloroethane	117	1.503	1.503	(1.319)	61235	10.0000	10.8
$	19 Nitrobenzene-d5	82	1.557	1.557	(0.772)	193121	10.0000	10.8
	20 Nitrobenzene	77	1.567	1.567	(0.777)	193460	10.0000	10.8
	21 Isophorone	82	1.738	1.738	(0.862)	361895	10.0000	10.0
	22 2-Nitrophenol +	139	1.781	1.781	(0.883)	81476	10.0000	10.7
	23 2,4-Dimethyphenol	107	1.856	1.856	(0.920)	170743	10.0000	10.9
	24 bis(-2-Chloroethoxy)methane	93	1.904	1.904	(0.944)	197785	10.0000	11.0
	25 Benzoic Acid	122	1.947	1.947	(0.966)	60808	10.0000	10.7
	26 2,4-Dichlorophenol +	162	1.952	1.952	(0.968)	113988	10.0000	10.8
	27 1,2,4-Trichlorobenzene	180	1.990	1.990	(0.987)	119368	10.0000	10.5
*	28 Naphthalene-d8	136	2.017	2.017	(1.000)	1237212	40.0000	
	29 Naphthalene	128	2.027	2.027	(1.005)	413918	10.0000	10.9
	30 4-Chloroaniline	127	2.086	2.086	(1.034)	151588	10.0000	10.0
	31 Hexachlorobutadiene +	225	2.123	2.123	(1.053)	70814	10.0000	10.3
	32 4-Chloro-3-Methylphenol +	107	2.428	2.428	(1.204)	142348	10.0000	11.3
	33 2-Methylnaphthalene	142	2.460	2.460	(1.220)	303221	10.0000	10.0
	145 1-Methylnapthalene	142	2.519	2.519	(1.249)	245188	10.0000	10.0
	34 Hexachlorocyclopentadiene ++	237	2.567	2.567	(0.832)	71083	10.0000	9.35(a)
	35 2,4,6-Trichlorophenol +	196	2.653	2.653	(0.860)	76103	10.0000	10.3
	36 2,4,5-Trichlorphenol	196	2.680	2.680	(0.868)	79046	10.0000	10.3
$	37 2-Fluorobiphenyl	172	2.701	2.701	(0.875)	274521	10.0000	10.4
	38 2-Chloronaphthalene	162	2.755	2.755	(0.893)	232165	10.0000	10.6
	39 2-Nitroaniline	138	2.835	2.835	(0.919)	78752	10.0000	10.8
	40 Dimethylphthalate	163	2.969	2.969	(0.962)	228372	10.0000	10.8(M)
	41 2,6-Dinitrotoluene	165	2.995	2.995	(0.971)	59109	10.0000	10.8
	42 Acenaphthylene	152	2.995	2.995	(0.971)	367794	10.0000	11.0
	43 3-Nitroaniline	138	3.086	3.086	(1.000)	58827	10.0000	10.8
*	44 Acenaphthene-d10	164	3.086	3.086	(1.000)	720580	40.0000	
	45 Acenaphthene +	153	3.108	3.108	(1.007)	257349	10.0000	10.7
	46 2,4-Dinitrophenol ++	184	3.156	3.156	(1.023)	24865	10.0000	10.0
	49 4-Nitrophenol ++	109	3.236	3.236	(1.049)	29817	10.0000	10.6
	47 Dibenzofuran	168	3.215	3.215	(1.042)	344116	10.0000	10.7
	48 2,4-Dinitrotoluene	165	3.231	3.231	(1.047)	79443	10.0000	11.0
	50 Diethylphthalate	149	3.396	3.396	(1.101)	226296	10.0000	11.0
	52 4-Chlorophenyl-phenylether	204	3.434	3.434	(1.113)	121187	10.0000	10.8
	51 Fluorene	166	3.418	3.418	(1.107)	273972	10.0000	10.8
	53 4-Nitroaniline	138	3.450	3.450	(1.118)	51084	10.0000	10.7
	54 4,6-Dinitro-o-cresol	198	3.477	3.477	(0.875)	40531	10.0000	9.34(a)
	55 N-nitrosodiphenylamine (1)+	169	3.514	3.514	(0.884)	172641	10.0000	10.8
	56 Azobenzene	77	3.530	3.530	(0.888)	322094	10.0000	10.8
$	57 2,4,6-Tribromophenol	332	3.568	3.568	(1.156)	31300	10.0000	10.3
	58 4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	60218	10.0000	10.5
	59 Hexachlorobenzene	284	3.749	3.749	(0.943)	77652	10.0000	10.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.878	3.878	(0.976)	38739	10.0000	9.28(a)
*	61 Phenanthrene-d10	188	3.974	3.974	(1.000)	1067466	40.0000	
	62 Phenanthrene	178	3.985	3.985	(1.003)	349192	10.0000	10.8
	63 Anthracene	178	4.017	4.017	(1.011)	346336	10.0000	10.7
	64 Carbazole	167	4.129	4.129	(1.039)	275269	10.0000	10.4
	65 Di-n-butylphthalate	149	4.386	4.386	(1.104)	310117	10.0000	10.2
	67 Fluoranthene +	202	4.696	4.696	(1.182)	289797	10.0000	10.0
	68 Benzidine	184	4.808	4.808	(0.859)	38269	10.0000	10.0
	69 Pyrene	202	4.825	4.825	(0.862)	299640	10.0000	10.0
$	70 Terphenyl-d14	244	4.953	4.953	(0.884)	189802	10.0000	10.9
	71 Butylbenzylphthalate	149	5.290	5.290	(0.945)	98675	10.0000	10.3
	73 3,3'-Dichlorobenzidine	252	5.611	5.611	(1.002)	57457	10.0000	10.0
	72 Benzo(a)anthracene	228	5.595	5.595	(0.999)	182797	10.0000	10.0
*	74 Chrysene-d12	240	5.600	5.600	(1.000)	664484	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.712	5.712	(1.020)	112650	10.0000	10.0
	75 Chrysene	228	5.616	5.616	(1.003)	246455	10.0000	10.9
	77 Di-n-octylphthalate +	149	6.183	6.183	(1.104)	120894	10.0000	7.99(a)
	78 Benzo(b)fluoranthene	252	6.349	6.349	(0.960)	80190	10.0000	10.0
	79 Benzo(k)fluoranthene	252	6.365	6.365	(0.962)	234493	10.0000	10.6
	80 Benzo(a)pyrene +	252	6.574	6.574	(0.994)	99829	10.0000	8.66(a)
*	81 Perylene-d12	264	6.616	6.616	(1.000)	453461	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.322	7.322	(1.308)	40177	10.0000	10.0
	83 Dibenzo(a,h)anthracene	278	7.344	7.344	(1.110)	82804	10.0000	10.0
	84 Benzo(g,h,i)perylene	276	7.483	7.483	(1.131)	112045	10.0000	9.02(a)
M	66 Total Methylphenol	108				334314	20.0000	20.0
	91 Acetophenone	105	1.460	1.460	(1.282)	207508	10.0000	10.0
	155 Benzaldehyde	77	0.834	0.834	(0.732)	55450	10.0000	10.0
	156 Caprolactam	113	2.300	2.300	(1.141)	40737	10.0000	10.0
	157 Biphenyl	154	2.755	2.755	(1.366)	330347	10.0000	10.0
	158 Atrazine	200	3.856	3.856	(0.970)	49737	10.0000	10.0
	174 1,4-Dioxane	88	0.278	0.278	(0.244)	21156	10.0000	11.1

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060803.s.b/d0923.d

Date : 03-AUG-2006 09:56

Client ID: STD010

Sample Info: 1204*4-57-10

Volume Injected (uL): 1.0

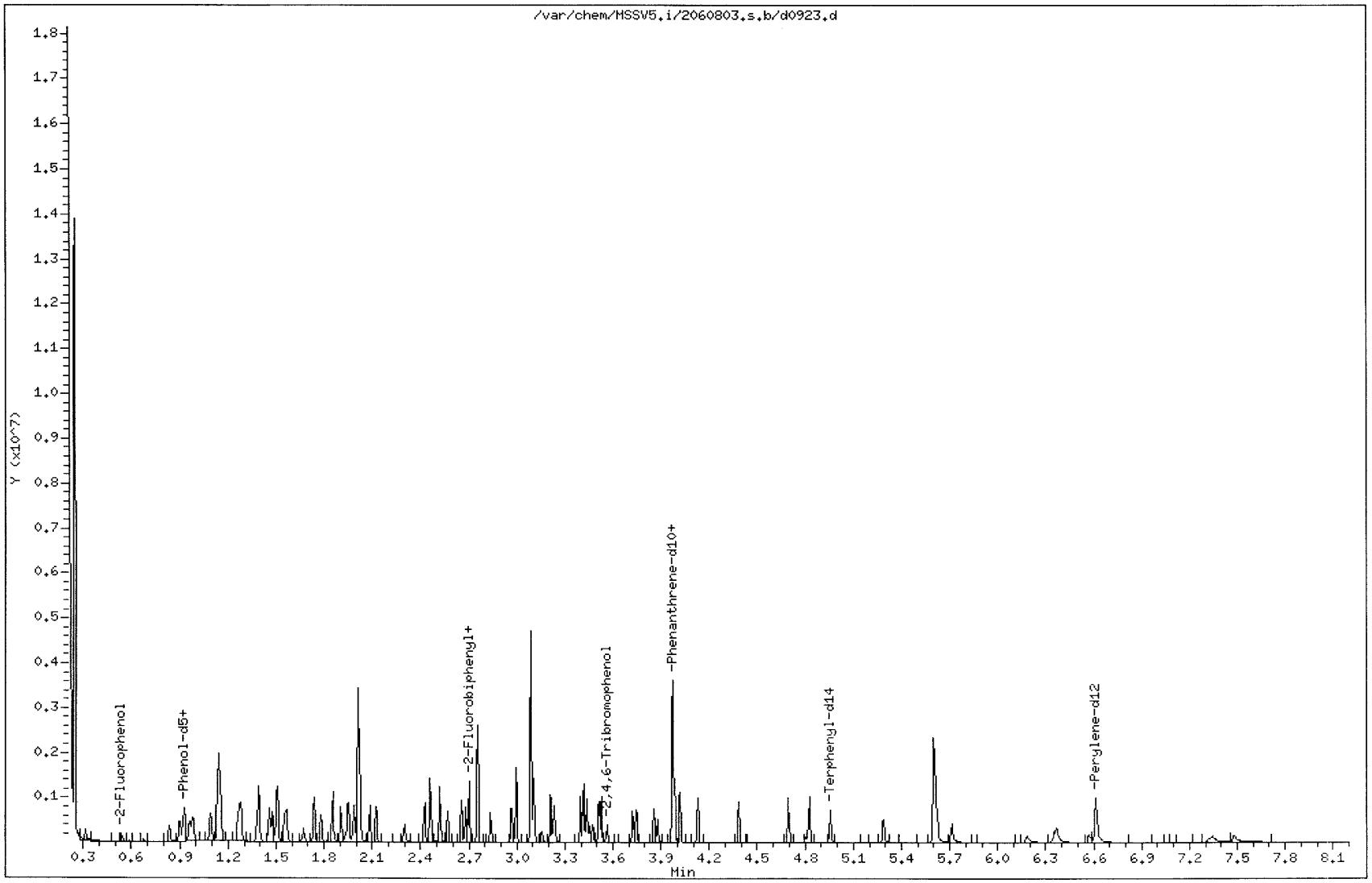
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: jar3

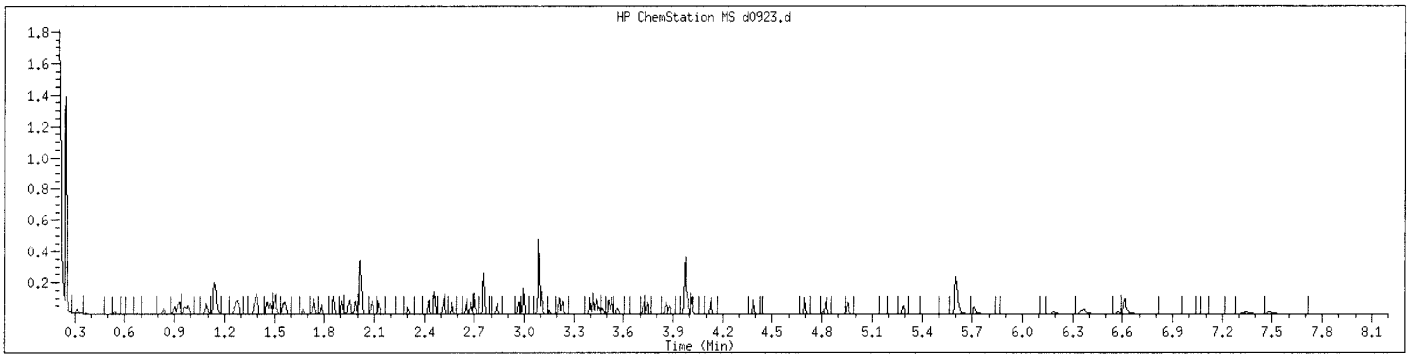
Column diameter: 0.25

000759



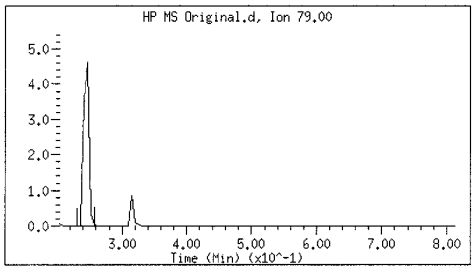
MANUAL INTEGRATION GRAPHIC REPORT

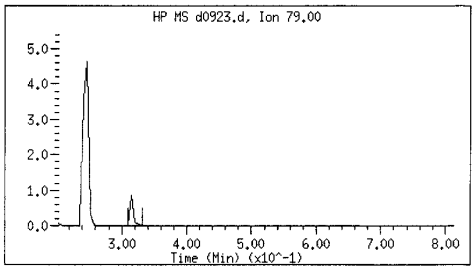
Lab ID : 1204 SampleType : CALIB_4
Injection Date: 03-AUG-2006 09:56 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1204*4-57-10
Misc Info : STD010*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



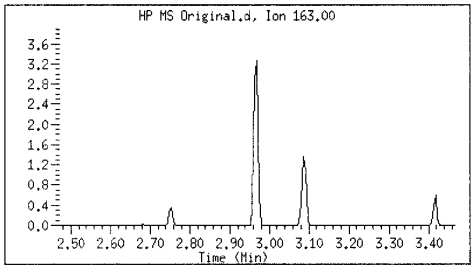
Original Final

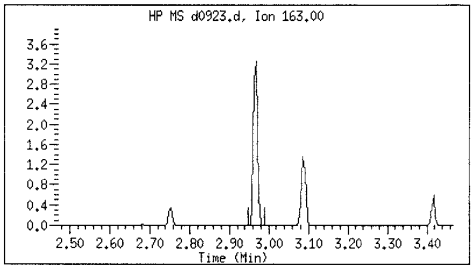
2 Pyridine CAS#: 110-86-1





40 Dimethylphthalate CAS#: 131-11-3





000760

167221

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0924.d
Lab Smp Id: 1206 Client Smp ID: STD080
Inj Date : 03-AUG-2006 10:10
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1206*4-57-11
Misc Info : STD080*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 10:10 Cal File: d0924.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	0.316	0.316	(0.276)	139988	80.0000	80.9(H)
1	n-Nitrosodimethylamine	42	0.310	0.310	(0.271)	159521	80.0000	81.2
$ 3	2-Fluorophenol	112	0.546	0.546	(0.477)	191980	80.0000	80.2
$ 4	Phenol-d5	99	0.936	0.936	(0.818)	919122	80.0000	79.1
5	Aniline	93	0.904	0.904	(0.790)	933911	80.0000	80.0
6	Phenol +	94	0.947	0.947	(0.827)	1144396	80.0000	79.1
7	bis(-2-Chloroethyl)Ether	63	0.974	0.974	(0.850)	1055235	80.0000	78.0
8	2-Chlorophenol	128	0.990	0.990	(0.864)	895436	80.0000	77.6
9	1,3-Dichlorobenzene	146	1.097	1.097	(0.958)	1032946	80.0000	77.9
* 10	1,4-Dichlorobenzene-d4	152	1.145	1.145	(1.000)	267472	40.0000	
11	1,4-Dichlorobenzene +	146	1.155	1.155	(1.009)	1035981	80.0000	78.3
12	Benzyl alcohol	108	1.289	1.289	(1.126)	733488	80.0000	77.9
13	1,2-Dichlorobenzene	146	1.268	1.268	(1.107)	991108	80.0000	77.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
15	2-Methylphenol	108	1.401	1.401	(1.224)	1029318	80.0000	77.9
14	Bis(2-chloroisopropyl)ether	45	1.385	1.385	(1.210)	1551344	80.0000	81.1
17	3- & 4-Methylphenol	108	1.519	1.519	(1.327)	1026383	80.0000	81.2
16	N-Nitroso-di-n-propylamine++	70	1.492	1.492	(1.304)	791422	80.0000	81.3
18	Hexachloroethane	117	1.503	1.503	(1.313)	384334	80.0000	75.6
$ 19	Nitrobenzene-d5	82	1.562	1.562	(0.775)	1161869	80.0000	75.8
20	Nitrobenzene	77	1.578	1.578	(0.782)	1177981	80.0000	76.0
21	Isophorone	82	1.749	1.749	(0.867)	2109870	80.0000	81.2
22	2-Nitrophenol +	139	1.787	1.787	(0.886)	509176	80.0000	77.0
23	2,4-Dimethyphenol	107	1.861	1.861	(0.923)	1030242	80.0000	76.1
24	bis(-2-Chloroethoxy)methane	93	1.910	1.910	(0.947)	1180989	80.0000	76.0
25	Benzoic Acid	122	2.006	2.006	(0.995)	421461	80.0000	82.6
26	2,4-Dichlorophenol +	162	1.958	1.958	(0.971)	693909	80.0000	76.1
27	1,2,4-Trichlorobenzene	180	1.990	1.990	(0.987)	766884	80.0000	77.8
* 28	Naphthalene-d8	136	2.017	2.017	(1.000)	1092598	40.0000	
29	Naphthalene	128	2.033	2.033	(1.008)	2417810	80.0000	74.7
30	4-Chloroaniline	127	2.091	2.091	(1.037)	818278	80.0000	81.0
31	Hexachlorobutadiene +	225	2.129	2.129	(1.056)	482405	80.0000	79.8
32	4-Chloro-3-Methylphenol +	107	2.434	2.434	(1.207)	800120	80.0000	74.4
33	2-Methylnaphthalene	142	2.466	2.466	(1.223)	1704011	80.0000	80.6
145	1-Methylnapthalene	142	2.525	2.525	(1.252)	1423169	80.0000	81.0
34	Hexachlorocyclopentadiene ++	237	2.567	2.567	(0.830)	517667	80.0000	85.6
35	2,4,6-Trichlorophenol +	196	2.658	2.658	(0.860)	454313	80.0000	80.3
36	2,4,5-Trichlorphenol	196	2.685	2.685	(0.869)	459287	80.0000	78.8
$ 37	2-Fluorobiphenyl	172	2.707	2.707	(0.875)	1578580	80.0000	78.7
38	2-Chloronaphthalene	162	2.760	2.760	(0.893)	1244197	80.0000	76.0
39	2-Nitroaniline	138	2.840	2.840	(0.919)	431691	80.0000	77.9
40	Dimethylphthalate	163	2.974	2.974	(0.962)	1226107	80.0000	77.2
41	2,6-Dinitrotoluene	165	3.001	3.001	(0.971)	317685	80.0000	77.1
42	Acenaphthylene	152	3.001	3.001	(0.971)	1861213	80.0000	74.8
43	3-Nitroaniline	138	3.097	3.097	(1.002)	319497	80.0000	77.4
* 44	Acenaphthene-d10	164	3.092	3.092	(1.000)	552827	40.0000	
45	Acenaphthene +	153	3.113	3.113	(1.007)	1366324	80.0000	75.9
46	2,4-Dinitrophenol ++	184	3.161	3.161	(1.022)	215195	80.0000	80.4(M)
49	4-Nitrophenol ++	109	3.241	3.241	(1.048)	167952	80.0000	78.6
47	Dibenzofuran	168	3.215	3.215	(1.040)	1880954	80.0000	77.6
48	2,4-Dinitrotoluene	165	3.236	3.236	(1.047)	412156	80.0000	76.0
50	Diethylphthalate	149	3.402	3.402	(1.100)	1166828	80.0000	76.1
52	4-Chlorophenyl-phenylether	204	3.439	3.439	(1.112)	652301	80.0000	77.0
51	Fluorene	166	3.418	3.418	(1.106)	1483820	80.0000	77.4
53	4-Nitroaniline	138	3.466	3.466	(1.121)	272942	80.0000	76.0
54	4,6-Dinitro-o-cresol	198	3.482	3.482	(0.876)	272483	80.0000	85.2
55	N-nitrosodiphenylamine (1)+	169	3.520	3.520	(0.886)	901311	80.0000	79.2
56	Azobenzene	77	3.536	3.536	(0.890)	1702168	80.0000	80.2
$ 57	2,4,6-Tribromophenol	332	3.573	3.573	(1.156)	195029	80.0000	82.3
58	4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	339761	80.0000	82.1
59	Hexachlorobenzene	284	3.750	3.750	(0.943)	427336	80.0000	80.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.883	3.883	(0.977)	264470	80.0000	85.6
*	61 Phenanthrene-d10	188	3.974	3.974	(1.000)	761663	40.0000	
	62 Phenanthrene	178	3.990	3.990	(1.004)	1791982	80.0000	78.2
	63 Anthracene	178	4.022	4.022	(1.012)	1803842	80.0000	78.7
	64 Carbazole	167	4.135	4.135	(1.040)	1427769	80.0000	77.1
	65 Di-n-butylphthalate	149	4.386	4.386	(1.104)	1719746	80.0000	79.5
	67 Fluoranthene +	202	4.702	4.702	(1.183)	1623635	80.0000	79.1
	68 Benzidine	184	4.809	4.809	(0.858)	104415	80.0000	56.6
	69 Pyrene	202	4.830	4.830	(0.862)	1656605	80.0000	78.1
$	70 Terphenyl-d14	244	4.958	4.958	(0.885)	1119040	80.0000	79.4
	71 Butylbenzylphthalate	149	5.290	5.290	(0.944)	641196	80.0000	81.8
	73 3,3'-Dichlorobenzidine	252	5.611	5.611	(1.001)	376641	80.0000	80.7
	72 Benzo(a)anthracene	228	5.600	5.600	(0.999)	1261949	80.0000	80.5
*	74 Chrysene-d12	240	5.606	5.606	(1.000)	539002	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.712	5.712	(1.019)	842286	80.0000	81.1
	75 Chrysene	228	5.627	5.627	(1.004)	1424004	80.0000	78.4
	77 Di-n-octylphthalate +	149	6.189	6.189	(1.104)	1285201	80.0000	95.0
	78 Benzo(b)fluoranthene	252	6.360	6.360	(0.961)	1004242	80.0000	80.0
	79 Benzo(k)fluoranthene	252	6.376	6.376	(0.964)	1574018	80.0000	73.9(H)
	80 Benzo(a)pyrene +	252	6.579	6.579	(0.994)	1133185	80.0000	91.3
*	81 Perylene-d12	264	6.616	6.616	(1.000)	453403	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.333	7.333	(1.308)	1342151	80.0000	81.3
	83 Dibenzo(a,h)anthracene	278	7.355	7.355	(1.112)	1175280	80.0000	80.0
	84 Benzo(g,h,i)perylene	276	7.494	7.494	(1.133)	1305644	80.0000	80.0
M	66 Total Methylphenol	108				2055701	160.000	159
	91 Acetophenone	105	1.471	1.471	(1.285)	1276000	80.0000	81.2
	155 Benzaldehyde	77	0.835	0.835	(0.729)	219706	80.0000	80.0
	156 Caprolactam	113	2.354	2.354	(1.167)	236363	80.0000	81.3
	157 Biphenyl	154	2.760	2.760	(1.369)	1683498	80.0000	80.4
	158 Atrazine	200	3.867	3.867	(0.973)	287879	80.0000	86.9
	174 1,4-Dioxane	88	0.278	0.278	(0.243)	127532	80.0000	74.6

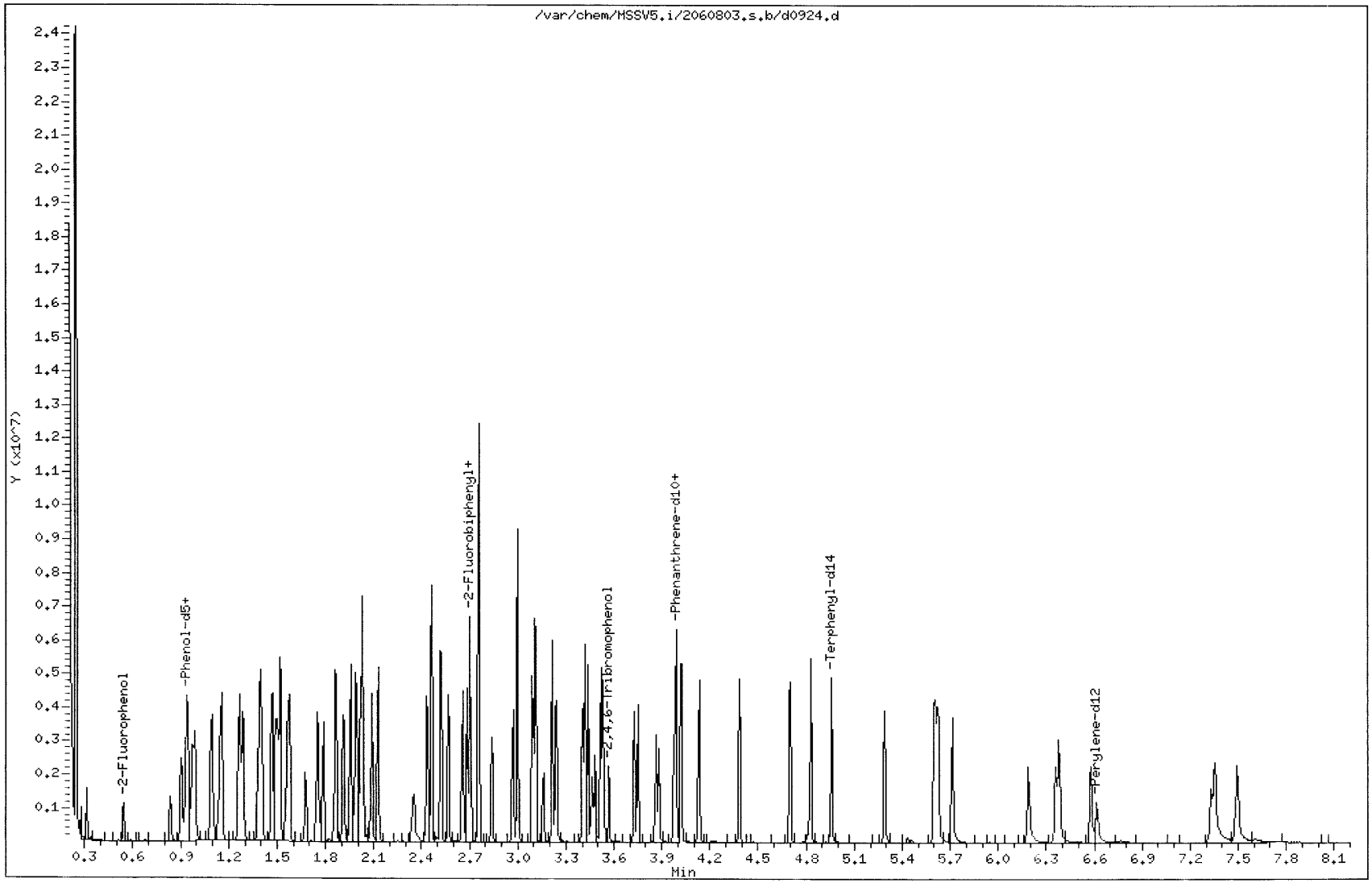
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

0007764

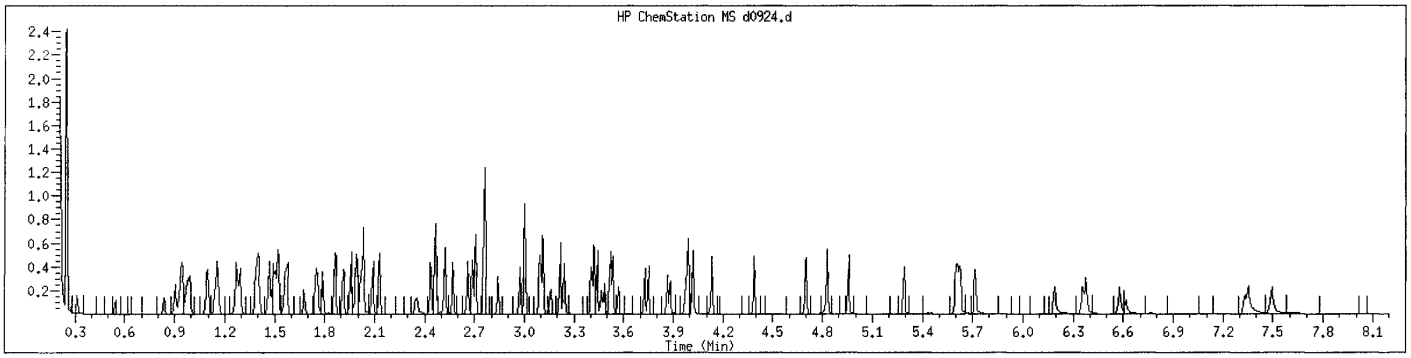
Data File: /var/chem/MSSV5.i/2060803.s.b/d0924.d
Date : 03-AUG-2006 10:10
Client ID: STD080
Sample Info: 1206*4-57-11
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: jar3
Column diameter: 0.25



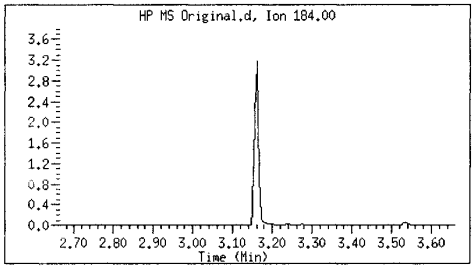
MANUAL INTEGRATION GRAPHIC REPORT

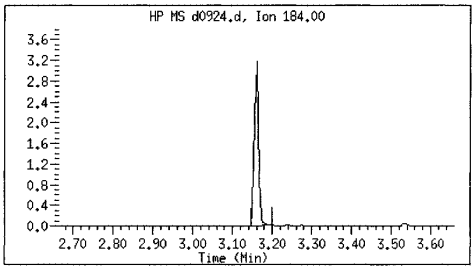
Lab ID : 1206 SampleType : CALIB_6
Injection Date: 03-AUG-2006 10:10 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1206*4-57-11
Misc Info : STD080*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5





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GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0925.d
Lab Smp Id: 1207 Client Smp ID: STD120
Inj Date : 03-AUG-2006 10:24
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1207*4-57-12
Misc Info : STD120*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 10:24 Cal File: d0925.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	0.316	0.316	(0.276)	361957	120.000	120(H)
	1 n-Nitrosodimethylamine	42	0.310	0.310	(0.271)	134354	120.000	76.2
$	3 2-Fluorophenol	112	0.546	0.546	(0.477)	317744	120.000	129
$	4 Phenol-d5	99	0.942	0.942	(0.822)	1396562	120.000	120
	5 Aniline	93	0.910	0.910	(0.794)	1373659	120.000	119
	6 Phenol +	94	0.952	0.952	(0.832)	1695247	120.000	117
	7 bis(-2-Chloroethyl)Ether	63	0.979	0.979	(0.855)	1681354	120.000	123
	8 2-Chlorophenol	128	0.995	0.995	(0.869)	1353313	120.000	117
	9 1,3-Dichlorobenzene	146	1.097	1.097	(0.958)	1562955	120.000	118
*	10 1,4-Dichlorobenzene-d4	152	1.145	1.145	(1.000)	269397	40.0000	
	11 1,4-Dichlorobenzene +	146	1.161	1.161	(1.014)	1584444	120.000	119
	12 Benzyl alcohol	108	1.300	1.300	(1.135)	1126491	120.000	119
	13 1,2-Dichlorobenzene	146	1.273	1.273	(1.112)	1504079	120.000	118

			QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	15	2-Methylphenol	108	1.407	1.407	(1.229)	1520570	120.000	116
	14	Bis(2-chloroisopropyl)ether	45	1.391	1.391	(1.215)	2274159	120.000	120
	17	3- & 4-Methylphenol	108	1.530	1.530	(1.336)	1493960	120.000	119
	16	N-Nitroso-di-n-propylamine++	70	1.498	1.498	(1.308)	1080111	120.000	119
	18	Hexachloroethane	117	1.509	1.509	(1.318)	567538	120.000	113
$	19	Nitrobenzene-d5	82	1.567	1.567	(0.775)	1743088	120.000	115
	20	Nitrobenzene	77	1.583	1.583	(0.783)	1738347	120.000	114
	21	Isophorone	82	1.760	1.760	(0.870)	3304883	120.000	122
	22	2-Nitrophenol +	139	1.792	1.792	(0.886)	780009	120.000	118
	23	2,4-Dimethyphenol	107	1.872	1.872	(0.926)	1491966	120.000	112
	24	bis(-2-Chloroethoxy)methane	93	1.920	1.920	(0.950)	1762417	120.000	115
	25	Benzoic Acid	122	2.027	2.027	(1.003)	619547	120.000	121
	26	2,4-Dichlorophenol +	162	1.963	1.963	(0.971)	1050958	120.000	116
	27	1,2,4-Trichlorobenzene	180	1.995	1.995	(0.987)	1197049	120.000	121
*	28	Naphthalene-d8	136	2.022	2.022	(1.000)	1095300	40.0000	
	29	Naphthalene	128	2.038	2.038	(1.008)	3572154	120.000	112
	30	4-Chloroaniline	127	2.097	2.097	(1.037)	1181602	120.000	119
	31	Hexachlorobutadiene +	225	2.129	2.129	(1.053)	752847	120.000	123
	32	4-Chloro-3-Methylphenol +	107	2.445	2.445	(1.209)	1194214	120.000	113
	33	2-Methylnaphthalene	142	2.471	2.471	(1.222)	2569652	120.000	121
	145	1-Methylnapthalene	142	2.525	2.525	(1.249)	2137993	120.000	121
	34	Hexachlorocyclopentadiene ++	237	2.573	2.573	(0.832)	835065	120.000	128
	35	2,4,6-Trichlorophenol +	196	2.664	2.664	(0.862)	713965	120.000	120
	36	2,4,5-Trichlorphenol	196	2.696	2.696	(0.872)	723850	120.000	119
$	37	2-Fluorobiphenyl	172	2.712	2.712	(0.877)	2419469	120.000	116
	38	2-Chloronaphthalene	162	2.760	2.760	(0.893)	1850647	120.000	110
	39	2-Nitroaniline	138	2.846	2.846	(0.920)	678322	120.000	117
	40	Dimethylphthalate	163	2.979	2.979	(0.964)	1965441	120.000	118
	41	2,6 Dinitrotoluene	165	3.006	3.006	(0.972)	479081	120.000	113
	42	Acenaphthylene	152	3.006	3.006	(0.972)	2830383	120.000	111
	43	3-Nitroaniline	138	3.103	3.103	(1.003)	489038	120.000	114
*	44	Acenaphthene-d10	164	3.092	3.092	(1.000)	581326	40.0000	
	45	Acenaphthene +	153	3.113	3.113	(1.007)	2140553	120.000	115
	46	2,4-Dinitrophenol ++	184	3.167	3.167	(1.024)	364091	120.000	122(M)
	49	4-Nitrophenol ++	109	3.252	3.252	(1.052)	277278	120.000	123
	47	Dibenzofuran	168	3.220	3.220	(1.042)	2907483	120.000	115
	48	2,4-Dinitrotoluene	165	3.247	3.247	(1.050)	672674	120.000	118
	50	Diethylphthalate	149	3.407	3.407	(1.102)	1844600	120.000	116
	52	4-Chlorophenyl-phenylether	204	3.445	3.445	(1.114)	1046071	120.000	118
	51	Fluorene	166	3.423	3.423	(1.107)	2284572	120.000	115
	53	4-Nitroaniline	138	3.477	3.477	(1.125)	431666	120.000	116
	54	4,6-Dinitro-o-cresol	198	3.493	3.493	(0.878)	466453	120.000	133
	55	N-nitrosodiphenylamine (1)+	169	3.525	3.525	(0.886)	1440673	120.000	120
	56	Azobenzene	77	3.541	3.541	(0.890)	2568965	120.000	116
$	57	2,4,6-Tribromophenol	332	3.579	3.579	(1.157)	329765	120.000	129
	58	4-Bromophenyl-phenylether	248	3.734	3.734	(0.938)	556031	120.000	125
	59	Hexachlorobenzene	284	3.755	3.755	(0.944)	724471	120.000	127

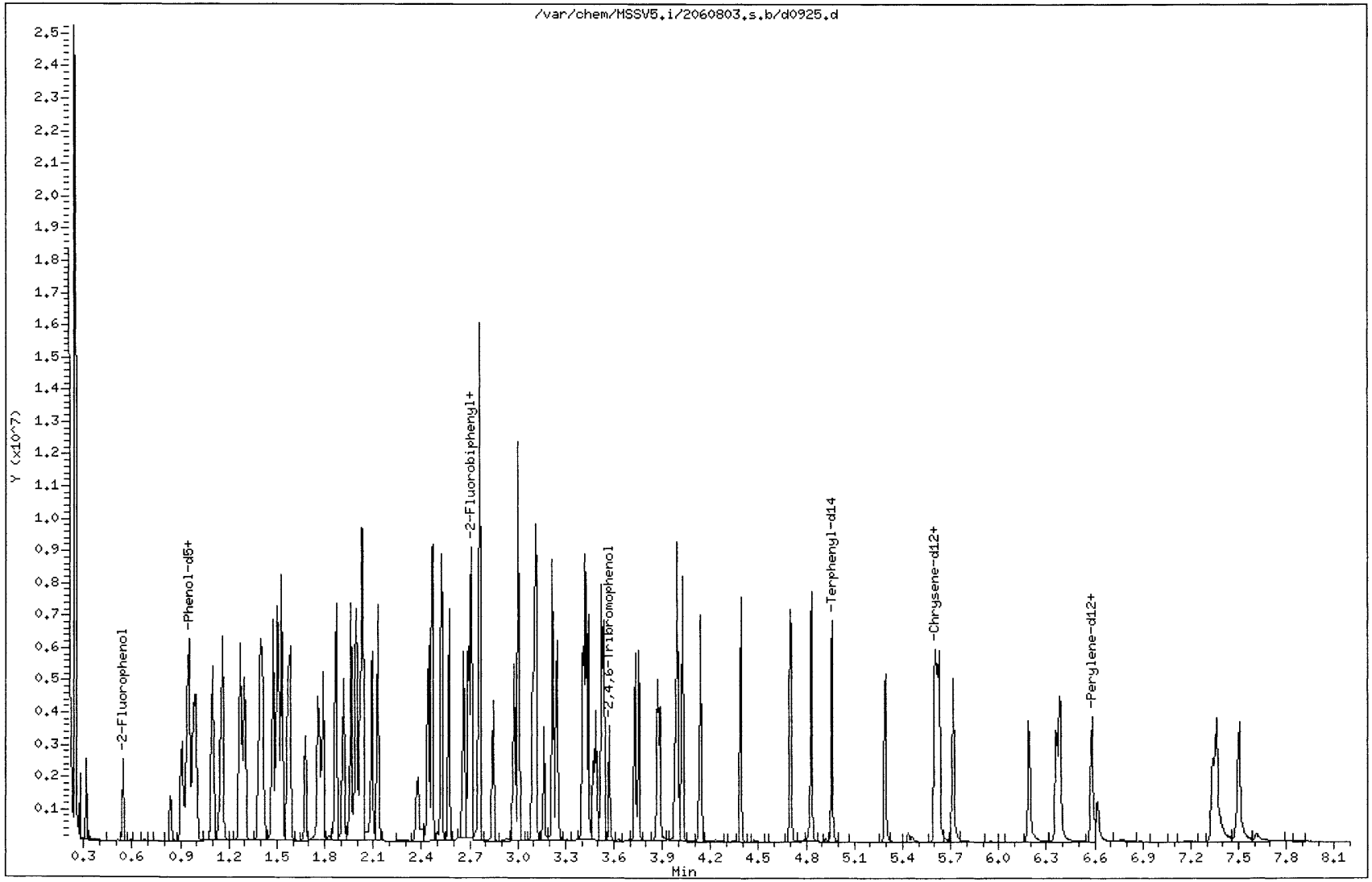
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	60 Pentachlorophenol +	266	3.889	3.889	(0.977)	459212	120.000	135
*	61 Phenanthrene-d10	188	3.980	3.980	(1.000)	803429	40.0000	
	62 Phenanthrene	178	3.996	3.996	(1.004)	2802547	120.000	117
	63 Anthracene	178	4.028	4.028	(1.012)	2854123	120.000	119
	64 Carbazole	167	4.140	4.140	(1.040)	2284104	120.000	118
	65 Di-n-butylphthalate	149	4.392	4.392	(1.103)	2701298	120.000	119
	67 Fluoranthene +	202	4.702	4.702	(1.181)	2584896	120.000	120
	68 Benzidine	184	4.814	4.814	(0.858)	97830	120.000	58.5
	69 Pyrene	202	4.835	4.835	(0.862)	2618425	120.000	117
$	70 Terphenyl-d14	244	4.964	4.964	(0.885)	1851909	120.000	123
	71 Butylbenzylphthalate	149	5.295	5.295	(0.944)	1002125	120.000	120
	73 3,3'-Dichlorobenzidine	252	5.616	5.616	(1.001)	576164	120.000	117
	72 Benzo(a)anthracene	228	5.606	5.606	(0.999)	2120757	120.000	122
*	74 Chrysene-d12	240	5.611	5.611	(1.000)	571800	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.718	5.718	(1.019)	1275633	120.000	118
	75 Chrysene	228	5.632	5.632	(1.004)	2220052	120.000	116
	77 Di-n-octylphthalate +	149	6.189	6.189	(1.103)	2051518	120.000	136
	78 Benzo(b)fluoranthene	252	6.365	6.365	(0.961)	1700392	120.000	120
	79 Benzo(k)fluoranthene	252	6.387	6.387	(0.964)	2471364	120.000	113(H)
	80 Benzo(a)pyrene +	252	6.584	6.584	(0.994)	1823822	120.000	135
*	81 Perylene-d12	264	6.622	6.622	(1.000)	474418	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.339	7.339	(1.308)	2257877	120.000	121
	83 Dibenzo(a,h)anthracene	278	7.365	7.365	(1.112)	2012598	120.000	120
	84 Benzo(g,h,i)perylene	276	7.504	7.504	(1.133)	2122246	120.000	119
M	66 Total Methylphenol	108				3014530	240.000	235
	91 Acetophenone	105	1.477	1.477	(1.290)	1934865	120.000	121
	155 Benzaldehyde	77	0.835	0.835	(0.729)	258681	120.000	118
	156 Caprolactam	113	2.380	2.380	(1.177)	325780	120.000	117
	157 Biphenyl	154	2.766	2.766	(1.368)	2392087	120.000	119
	158 Atrazine	200	3.873	3.873	(0.973)	516534	120.000	119
	174 1,4-Dioxane	88	0.278	0.278	(0.243)	248700	120.000	137

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV5.i/2060803.s.b/d0925.d
Date : 03-AUG-2006 10:24
Client ID: STD120
Sample Info: 1207*4-57-12
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

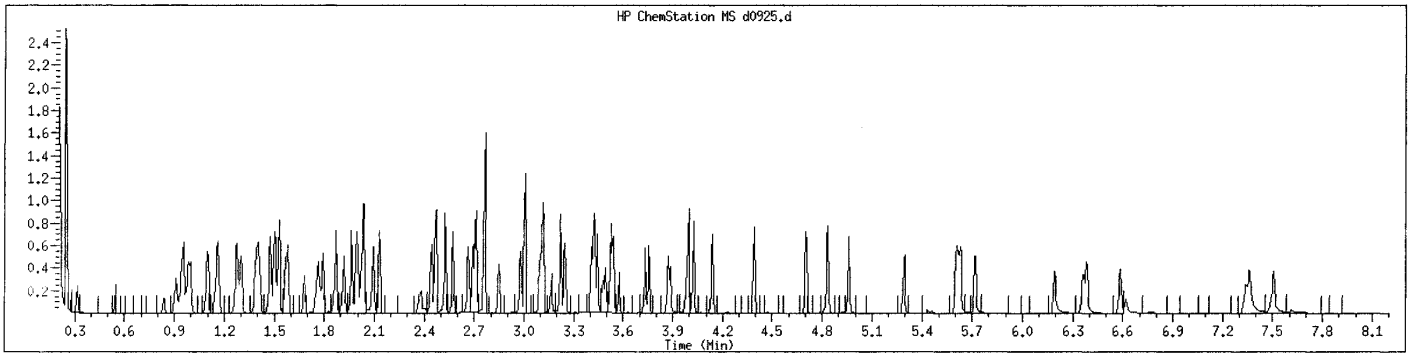
Instrument: MSSV5.i
Operator: jar3
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060803.s.b/d0925.d Page: 1
Report Date: 08/24/2006 08:22

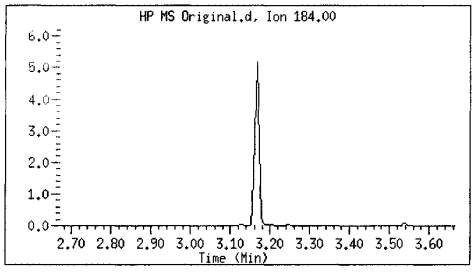
MANUAL INTEGRATION GRAPHIC REPORT

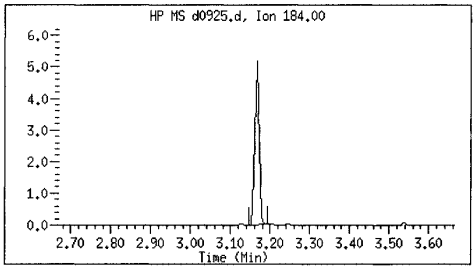
Lab ID : 1207 SampleType : CALIB_7
Injection Date: 03-AUG-2006 10:24 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1207*4-57-12
Misc Info : STD120*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5





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GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0926.d
Lab Smp Id: 1208 Client Smp ID: STD160
Inj Date : 03-AUG-2006 10:38
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1208*4-57-13
Misc Info : STD160*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 10:38 Cal File: d0926.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)	ON-COL (ppm)
	2 Pyridine	79	0.316	0.316	(0.275)	498261	160.000	195(H)
	1 n-Nitrosodimethylamine	42	0.316	0.316	(0.275)	242831	160.000	138
$	3 2-Fluorophenol	112	0.546	0.546	(0.475)	425459	160.000	166
$	4 Phenol-d5	99	0.952	0.952	(0.828)	1852730	160.000	155
	5 Aniline	93	0.910	0.910	(0.791)	1750206	160.000	145
	6 Phenol +	94	0.963	0.963	(0.837)	2190089	160.000	149
	7 bis(-2-Chloroethyl)Ether	63	0.990	0.990	(0.860)	2161398	160.000	154
	8 2 Chlorophenol	128	1.000	1.000	(0.870)	1782202	160.000	152
	9 1,3-Dichlorobenzene	146	1.102	1.102	(0.958)	2087288	160.000	154
*	10 1,4-Dichlorobenzene-d4	152	1.150	1.150	(1.000)	277716	40.0000	
	11 1,4-Dichlorobenzene +	146	1.166	1.166	(1.014)	2074336	160.000	153
	12 Benzyl alcohol	108	1.311	1.311	(1.139)	1447661	160.000	151
	13 1,2-Dichlorobenzene	146	1.273	1.273	(1.107)	1964631	160.000	151

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		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15	2-Methylphenol	108	1.412	1.412	(1.228)	1965471	160.000	148
	14	Bis(2-chloroisopropyl)ether	45	1.391	1.391	(1.209)	2859547	160.000	141
	17	3- & 4-Methylphenol	108	1.535	1.535	(1.335)	1901208	160.000	142
	16	N-Nitroso-di-n-propylamine++	70	1.509	1.509	(1.312)	1284084	160.000	155
	18	Hexachloroethane	117	1.509	1.509	(1.312)	726880	160.000	144
$	19	Nitrobenzene-d5	82	1.573	1.573	(0.778)	2216357	160.000	151
	20	Nitrobenzene	77	1.589	1.589	(0.786)	2179288	160.000	148
	21	Isophorone	82	1.765	1.765	(0.873)	4011784	160.000	156
	22	2-Nitrophenol +	139	1.797	1.797	(0.889)	1022482	160.000	158
	23	2,4-Dimethyphenol	107	1.878	1.878	(0.929)	1921547	160.000	150
	24	bis(-2-Chloroethoxy)methane	93	1.920	1.920	(0.950)	2246026	160.000	151
	25	Benzoic Acid	122	2.043	2.043	(1.011)	727609	160.000	147
	26	2,4-Dichlorophenol +	162	1.969	1.969	(0.974)	1319261	160.000	151
	27	1,2,4-Trichlorobenzene	180	1.995	1.995	(0.987)	1586188	160.000	162
*	28	Naphthalene-d8	136	2.022	2.022	(1.000)	1076503	40.0000	
	29	Naphthalene	128	2.038	2.038	(1.008)	4444647	160.000	146
	30	4-Chloroaniline	127	2.097	2.097	(1.037)	1441543	160.000	155
	31	Hexachlorobutadiene +	225	2.134	2.134	(1.056)	986017	160.000	163
	32	4-Chloro-3-Methylphenol +	107	2.445	2.445	(1.209)	1466152	160.000	145
	33	2-Methylnaphthalene	142	2.471	2.471	(1.222)	3240576	160.000	158
	145	1-Methylnapthalene	142	2.530	2.530	(1.251)	2618542	160.000	156
	34	Hexachlorocyclopentadiene ++	237	2.573	2.573	(0.832)	1055707	160.000	166
	35	2,4,6-Trichlorophenol +	196	2.664	2.664	(0.862)	894088	160.000	156
	36	2,4,5-Trichlorphenol	196	2.696	2.696	(0.872)	911079	160.000	155
$	37	2-Fluorobiphenyl	172	2.712	2.712	(0.877)	3025761	160.000	152
	38	2-Chloronaphthalene	162	2.766	2.766	(0.894)	2234767	160.000	142
	39	2-Nitroaniline	138	2.851	2.851	(0.922)	834191	160.000	151
	40	Dimethylphthalate	163	2.979	2.979	(0.964)	2401487	160.000	151
	41	2,6-Dinitrotoluene	165	3.012	3.012	(0.974)	599741	160.000	149
	42	Acenaphthylene	152	3.006	3.006	(0.972)	3501196	160.000	145
	43	3-Nitroaniline	138	3.103	3.103	(1.003)	596823	160.000	147
*	44	Acenaphthene-d10	164	3.092	3.092	(1.000)	561983	40.0000	
	45	Acenaphthene +	153	3.119	3.119	(1.009)	2572434	160.000	146
	46	2,4-Dinitrophenol ++	184	3.172	3.172	(1.026)	451829	160.000	158
	49	4-Nitrophenol ++	109	3.252	3.252	(1.052)	313885	160.000	147
	47	Dibenzofuran	168	3.226	3.226	(1.043)	3566298	160.000	149
	48	2,4-Dinitrotoluene	165	3.247	3.247	(1.050)	811568	160.000	150
	50	Diethylphthalate	149	3.413	3.413	(1.104)	2233585	160.000	148
	52	4-Chlorophenyl-phenylether	204	3.445	3.445	(1.114)	1277059	160.000	151
	51	Fluorene	166	3.429	3.429	(1.109)	2725007	160.000	145
	53	4-Nitroaniline	138	3.482	3.482	(1.126)	501963	160.000	143
	54	4,6-Dinitro-o-cresol	198	3.498	3.498	(0.879)	548437	160.000	166
	55	N-nitrosodiphenylamine (1)+	169	3.525	3.525	(0.886)	1741770	160.000	156
	56	Azobenzene	77	3.541	3.541	(0.890)	3033351	160.000	149
$	57	2,4,6-Tribromophenol	332	3.579	3.579	(1.157)	412913	160.000	166
	58	4-Bromophenyl-phenylether	248	3.734	3.734	(0.938)	706367	160.000	168
	59	Hexachlorobenzene	284	3.760	3.760	(0.945)	887419	160.000	165

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.889	3.889	(0.977)	559206	160.000	173
*	61 Phenanthrene-d10	188	3.980	3.980	(1.000)	750718	40.0000	
	62 Phenanthrene	178	3.996	3.996	(1.004)	3331098	160.000	151
	63 Anthracene	178	4.028	4.028	(1.012)	3417505	160.000	153
	64 Carbazole	167	4.140	4.140	(1.040)	2661251	160.000	149
	65 Di-n-butylphthalate	149	4.392	4.392	(1.103)	3177586	160.000	152
	67 Fluoranthene +	202	4.707	4.707	(1.183)	3049201	160.000	153
	68 Benzidine	184	4.814	4.814	(0.858)	83928	160.000	58.7
	69 Pyrene	202	4.835	4.835	(0.862)	3007886	160.000	158
$	70 Terphenyl-d14	244	4.964	4.964	(0.885)	2082488	160.000	161
	71 Butylbenzylphthalate	149	5.295	5.295	(0.944)	1140295	160.000	160
	73 3,3'-Dichlorobenzidine	252	5.616	5.616	(1.001)	637789	160.000	153
	72 Benzo(a)anthracene	228	5.606	5.606	(0.999)	2368933	160.000	159
*	74 Chrysene-d12	240	5.611	5.611	(1.000)	488862	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.718	5.718	(1.019)	1466774	160.000	160
	75 Chrysene	228	5.632	5.632	(1.004)	2452933	160.000	152
	77 Di-n-octylphthalate +	149	6.194	6.194	(1.104)	2345353	160.000	177
	78 Benzo(b)fluoranthene	252	6.365	6.365	(0.961)	2388799	160.000	160
	79 Benzo(k)fluoranthene	252	6.387	6.387	(0.964)	2695984	160.000	136(H)
	80 Benzo(a)pyrene +	252	6.584	6.584	(0.994)	2266051	160.000	174
*	81 Perylene-d12	264	6.622	6.622	(1.000)	447133	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.344	7.344	(1.309)	3014057	160.000	160
	83 Dibenzo(a,h)anthracene	278	7.365	7.365	(1.112)	2673892	160.000	159
	84 Benzo(g,h,i)perylene	276	7.510	7.510	(1.134)	2652405	160.000	159
M	66 Total Methylphenol	108				3866679	320.000	289
	91 Acetophenone	105	1.482	1.482	(1.288)	2467166	160.000	156
	155 Benzaldehyde	77	0.840	0.840	(0.730)	291060	160.000	154
	156 Caprolactam	113	2.391	2.391	(1.183)	453780	160.000	163
	157 Biphenyl	154	2.766	2.766	(1.368)	2829973	160.000	158
	158 Atrazine	200	3.878	3.878	(0.974)	628695	160.000	177
	174 1,4-Dioxane	88	0.278	0.278	(0.242)	95115	160.000	59.1

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV5.i/2060803.s.b/d0926.d

Date : 03-AUG-2006 10:38

Client ID: STD160

Sample Info: 1208*4-57-13

Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: jar3

Column diameter: 0.25

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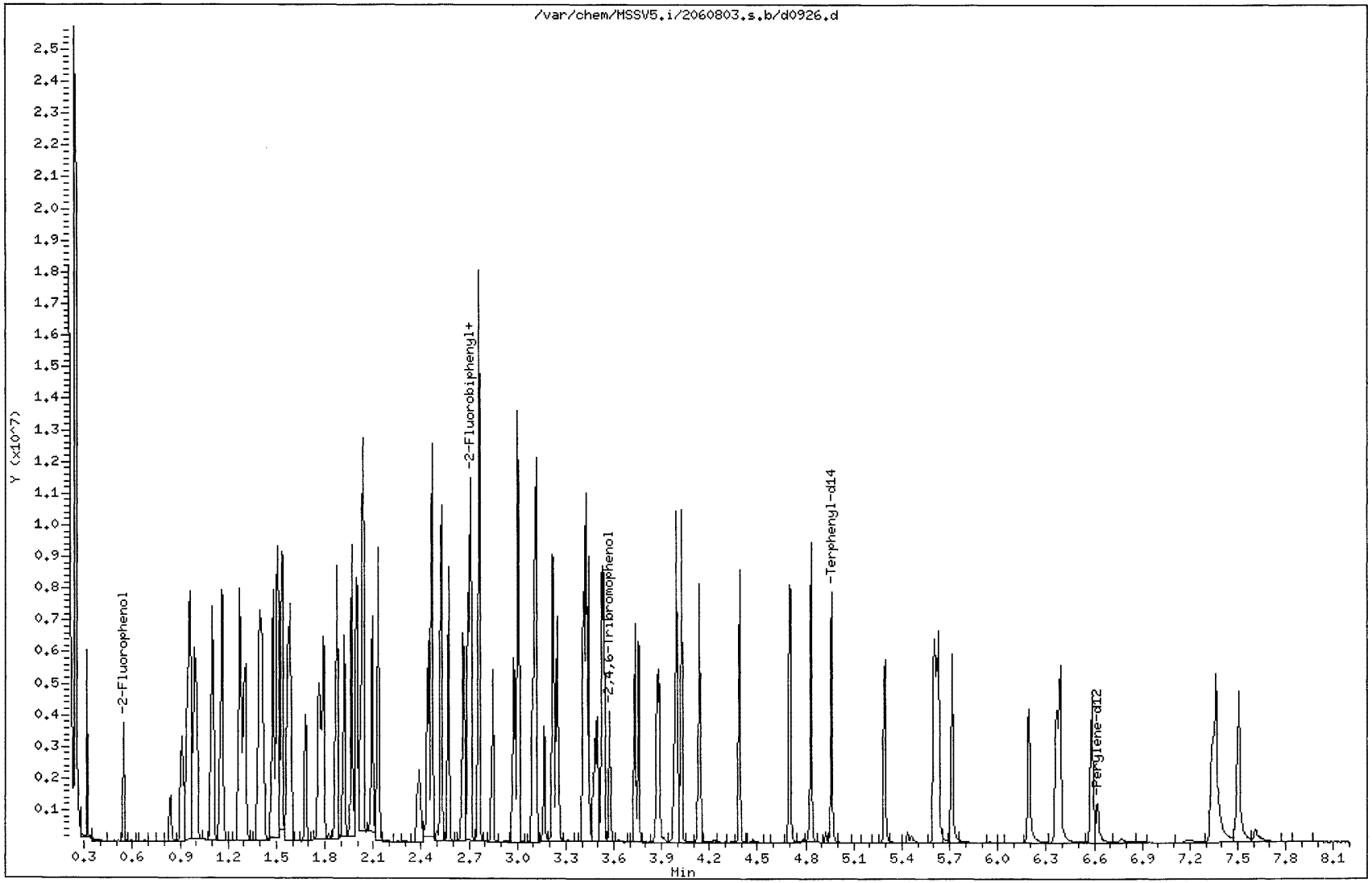
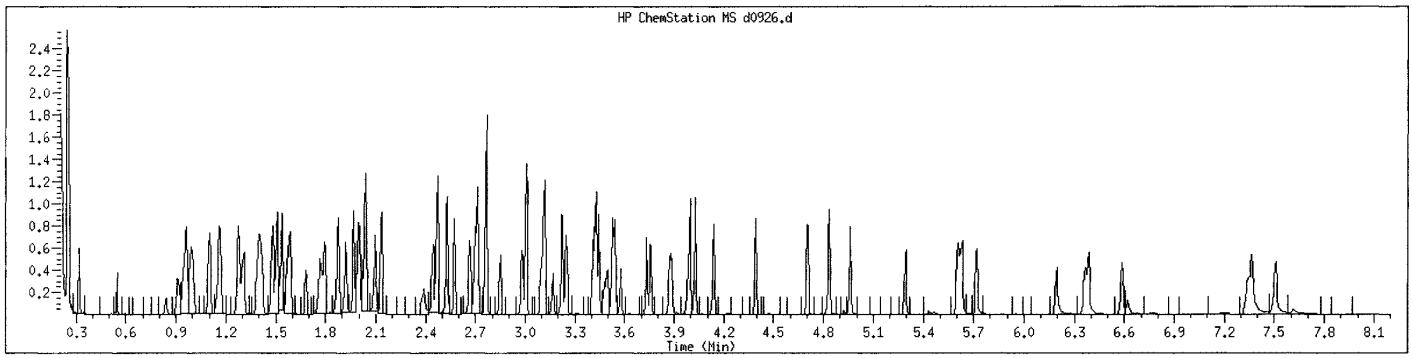


MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1208	SampleType	: CALIB_8
Injection Date	: 03-AUG-2006 10:38	Instrument	: MSSV5.i
Operator	: jar3		
Sample Info	: 1208*4-57-13		
Misc Info	: STD160*MSSV~3862~*		
Method	: /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8270C



NO MANUAL INTEGRATIONS

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0927.d
Lab Smp Id: 1209 Client Smp ID: STD200
Inj Date : 03-AUG-2006 10:52
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1209*4-57-14
Misc Info : STD200*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 10:52 Cal File: d0927.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	0.321	0.321	(0.277)	675801	200.000	210(AH)
	1 n-Nitrosodimethylamine	42	0.321	0.321	(0.277)	272484	200.000	133
$	3 2-Fluorophenol	112	0.551	0.551	(0.475)	610413	200.000	192
$	4 Phenol-d5	99	0.968	0.968	(0.834)	2889294	200.000	195
	5 Aniline	93	0.926	0.926	(0.797)	2768183	200.000	186
	6 Phenol +	94	0.984	0.984	(0.848)	3390626	200.000	188
	7 bis(-2-Chloroethyl)Ether	63	1.006	1.006	(0.866)	3042882	200.000	178
	8 2-Chlorophenol	128	1.017	1.017	(0.876)	2668532	200.000	185
	9 1,3-Dichlorobenzene	146	1.113	1.113	(0.959)	3130465	200.000	188
*	10 1,4-Dichlorobenzene-d4	152	1.156	1.156	(1.000)	346350	40.0000	
	11 1,4-Dichlorobenzene +	146	1.172	1.172	(1.009)	3050239	200.000	183
	12 Benzyl alcohol	108	1.327	1.327	(1.143)	2236651	200.000	189
	13 1,2-Dichlorobenzene	146	1.284	1.284	(1.106)	2929818	200.000	184

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			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppm)	ON-COL (ppm)
	15	2-Methylphenol	108	1.418	1.418	(1.221)	2955253	200.000	181
	14	Bis(2-chloroisopropyl)ether	45	1.402	1.402	(1.207)	4002989	200.000	164
	17	3- & 4-Methylphenol	108	1.551	1.551	(1.336)	2699492	200.000	167
	16	N-Nitroso-di-n-propylamine++	70	1.525	1.525	(1.313)	1795116	200.000	195
	18	Hexachloroethane	117	1.514	1.514	(1.304)	1076716	200.000	175
$	19	Nitrobenzene-d5	82	1.583	1.583	(0.779)	3267679	200.000	182
	20	Nitrobenzene	77	1.600	1.600	(0.787)	3239569	200.000	181
	21	Isophorone	82	1.781	1.781	(0.876)	5950373	200.000	182
	22	2-Nitrophenol +	139	1.803	1.803	(0.887)	1548056	200.000	194
	23	2,4-Dimethyphenol	107	1.888	1.888	(0.929)	2909254	200.000	185
	24	bis(-2-Chloroethoxy)methane	93	1.931	1.931	(0.950)	3286055	200.000	181
	25	Benzoic Acid	122	2.076	2.076	(1.021)	1208732	200.000	198
	26	2,4-Dichlorophenol +	162	1.979	1.979	(0.974)	1941772	200.000	182
	27	1,2,4-Trichlorobenzene	180	2.006	2.006	(0.987)	2369689	200.000	196
*	28	Naphthalene-d8	136	2.033	2.033	(1.000)	1335900	40.0000	
	29	Naphthalene	128	2.049	2.049	(1.008)	6446034	200.000	174
	30	4-Chloroaniline	127	2.108	2.108	(1.037)	2057694	200.000	197
	31	Hexachlorobutadiene +	225	2.140	2.140	(1.053)	1399112	200.000	189
	32	4-Chloro-3-Methylphenol +	107	2.455	2.455	(1.208)	2081197	200.000	170
	33	2-Methylnaphthalene	142	2.477	2.477	(1.218)	4688940	200.000	177
	145	1-Methylnapthalene	142	2.536	2.536	(1.247)	3825962	200.000	176
	34	Hexachlorocyclopentadiene ++	237	2.578	2.578	(0.832)	1533372	200.000	205(A)
	35	2,4,6-Trichlorophenol +	196	2.675	2.675	(0.864)	1351314	200.000	201(A)
	36	2,4,5-Trichlorphenol	196	2.707	2.707	(0.874)	1309308	200.000	192
$	37	2-Fluorobiphenyl	172	2.717	2.717	(0.877)	4260231	200.000	185
	38	2-Chloronaphthalene	162	2.766	2.766	(0.893)	3123434	200.000	174
	39	2-Nitroaniline	138	2.856	2.856	(0.922)	1220138	200.000	190
	40	Dimethylphthalate	163	2.990	2.990	(0.965)	3416481	200.000	186
	41	2,6-Dinitrotoluene	165	3.017	3.017	(0.974)	805127	200.000	175
	42	Acenaphthylene	152	3.012	3.012	(0.972)	4995174	200.000	180
	43	3-Nitroaniline	138	3.113	3.113	(1.005)	777500	200.000	169
*	44	Acenaphthene-d10	164	3.097	3.097	(1.000)	658981	40.0000	
	45	Acenaphthene +	153	3.124	3.124	(1.009)	3560037	200.000	176
	46	2,4-Dinitrophenol ++	184	3.177	3.177	(1.026)	672457	200.000	200
	49	4-Nitrophenol ++	109	3.263	3.263	(1.054)	438468	200.000	178
	47	Dibenzofuran	168	3.231	3.231	(1.043)	4991267	200.000	181
	48	2,4-Dinitrotoluene	165	3.252	3.252	(1.050)	1136585	200.000	182
	50	Diethylphthalate	149	3.418	3.418	(1.104)	3007445	200.000	174
	52	4-Chlorophenyl-phenylether	204	3.450	3.450	(1.114)	1825708	200.000	187
	51	Fluorene	166	3.434	3.434	(1.109)	3750252	200.000	175
	53	4-Nitroaniline	138	3.493	3.493	(1.128)	660698	200.000	166
	54	4,6-Dinitro-o-cresol	198	3.509	3.509	(0.881)	812330	200.000	213(A)
	55	N-nitrosodiphenylamine (1)+	169	3.536	3.536	(0.887)	2433967	200.000	193
	56	Azobenzene	77	3.546	3.546	(0.890)	3993806	200.000	177
$	57	2,4,6-Tribromophenol	332	3.584	3.584	(1.157)	607938	200.000	207(A)
	58	4-Bromophenyl-phenylether	248	3.739	3.739	(0.938)	983720	200.000	205(A)
	59	Hexachlorobenzene	284	3.766	3.766	(0.945)	1256737	200.000	204(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.894	3.894	(0.977)	814739	200.000	217(A)
*	61 Phenanthrene-d10	188	3.985	3.985	(1.000)	853216	40.0000	
	62 Phenanthrene	178	4.001	4.001	(1.004)	4531040	200.000	184
	63 Anthracene	178	4.033	4.033	(1.012)	4527132	200.000	182
	64 Carbazole	167	4.145	4.145	(1.040)	3567706	200.000	180
	65 Di-n-butylphthalate	149	4.397	4.397	(1.103)	4228242	200.000	181
	67 Fluoranthene +	202	4.707	4.707	(1.181)	3966246	200.000	178
	68 Benzidine	184	4.819	4.819	(0.858)	89149	200.000	61.0
	69 Pyrene	202	4.841	4.841	(0.862)	3970738	200.000	203(A)
$	70 Terphenyl-d14	244	4.964	4.964	(0.884)	2740363	200.000	206(A)
	71 Butylbenzylphthalate	149	5.295	5.295	(0.943)	1449612	200.000	199
	73 3,3'-Dichlorobenzidine	252	5.622	5.622	(1.001)	769093	200.000	184
	72 Benzo(a)anthracene	228	5.606	5.606	(0.998)	3217470	200.000	204(A)
*	74 Chrysene-d12	240	5.616	5.616	(1.000)	500116	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.718	5.718	(1.018)	1867639	200.000	199
	75 Chrysene	228	5.632	5.632	(1.003)	3069679	200.000	188
	77 Di-n-octylphthalate +	149	6.194	6.194	(1.103)	2917858	200.000	213(A)
	78 Benzo(b)fluoranthene	252	6.371	6.371	(0.962)	2661525	200.000	167
	79 Benzo(k)fluoranthene	252	6.392	6.392	(0.965)	3782770	200.000	187(H)
	80 Benzo(a)pyrene +	252	6.590	6.590	(0.995)	2869377	200.000	210(A)
*	81 Perylene-d12	264	6.622	6.622	(1.000)	462770	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.355	7.355	(1.310)	4216218	200.000	199
	83 Dibenzo(a,h)anthracene	278	7.376	7.376	(1.114)	3706980	200.000	200
	84 Benzo(g,h,i)perylene	276	7.520	7.520	(1.136)	3965393	200.000	202(A)
M	66 Total Methylphenol	108				5654745	400.000	348
	91 Acetophenone	105	1.498	1.498	(1.290)	3627183	200.000	177
	155 Benzaldehyde	77	0.845	0.845	(0.728)	358904	200.000	150
	156 Caprolactam	113	2.418	2.418	(1.189)	567105	200.000	161
	157 Biphenyl	154	2.776	2.776	(1.366)	3884791	200.000	193
	158 Atrazine	200	3.883	3.883	(0.975)	846597	200.000	208(A)
	174 1,4-Dioxane	88	0.284	0.284	(0.244)	160549	200.000	88.8

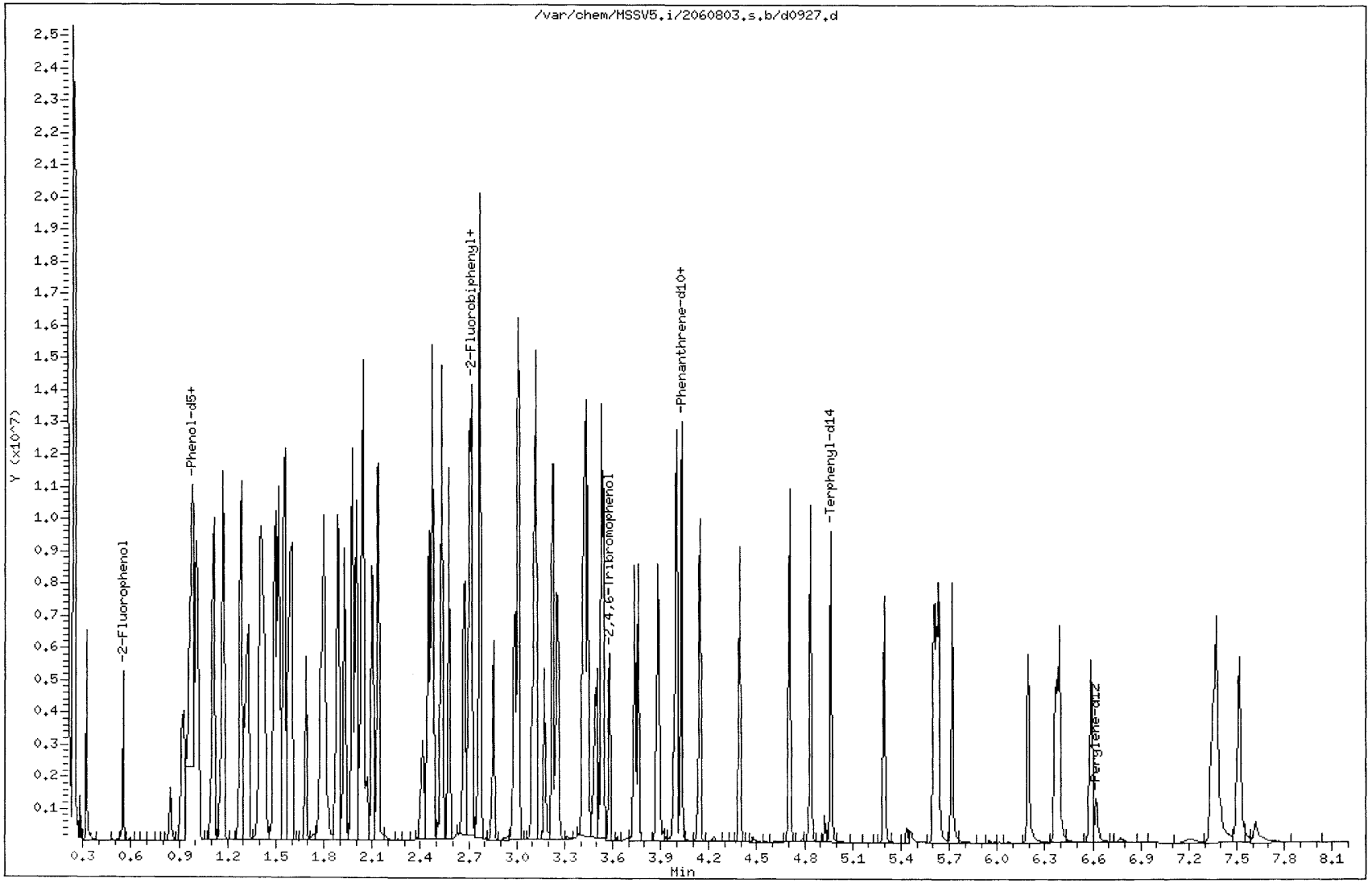
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV5.i/2060803.s.b/d0927.d
Date : 03-AUG-2006 10:52
Client ID: STD200
Sample Info: 1209*4-57-14
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

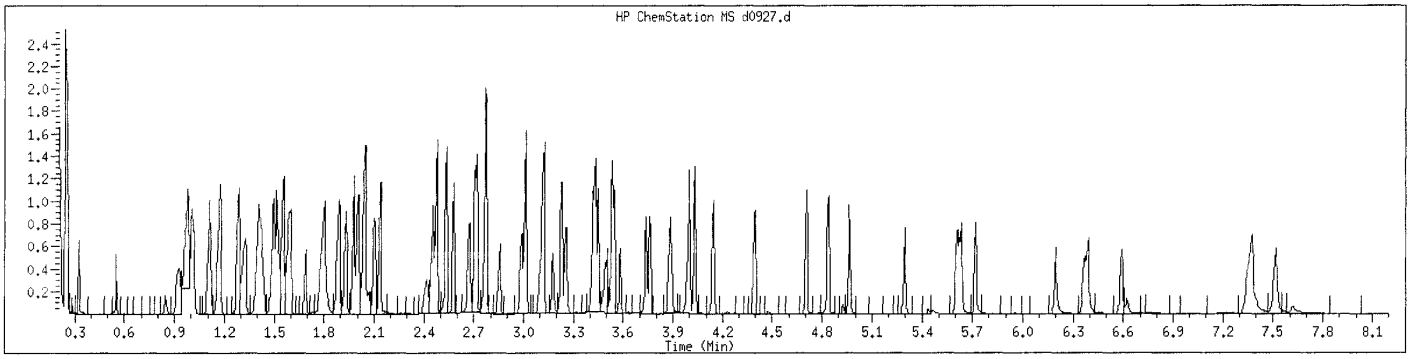
Instrument: MSSV5.i
Operator: jar3
Column diameter: 0.25

64,000



MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1209	SampleType	: CALIB_9
Injection Date	: 03-AUG-2006 10:52	Instrument	: MSSV5.i
Operator	: jar3		
Sample Info	: 1209*4-57-14		
Misc Info	: STD200*MSSV~3862~*		
Method	: /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist	: 8270C



NO MANUAL INTEGRATIONS

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0928.d
Lab Smp Id: 1203 Client Smp ID: STD002
Inj Date : 03-AUG-2006 11:07
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1203*4-57-15
Misc Info : STD002*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 11:07 Cal File: d0928.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	0.321	0.321	(0.282)	2596	2.00000	0.945(aM)
	1 n-Nitrosodimethylamine	42	0.311	0.311	(0.273)	4836	2.00000	2.76(a)
$	3 2-Fluorophenol	112	0.546	0.546	(0.479)	5460	2.00000	2.02(a)
$	4 Phenol-d5	99	0.926	0.926	(0.812)	26725	2.00000	2.12(a)
	5 Aniline	93	0.904	0.904	(0.793)	26536	2.00000	2.09(a)
	6 Phenol +	94	0.931	0.931	(0.817)	33299	2.00000	2.16(a)
	7 bis(-2-Chloroethyl)Ether	63	0.963	0.963	(0.845)	32713	2.00000	2.21(a)
	8 2-Chlorophenol	128	0.979	0.979	(0.859)	26810	2.00000	2.15(a)
	9 1,3-Dichlorobenzene	146	1.091	1.091	(0.958)	32578	2.00000	2.24(a)
*	10 1,4-Dichlorobenzene-d4	152	1.140	1.140	(1.000)	294982	40.0000	
	11 1,4-Dichlorobenzene +	146	1.156	1.156	(1.014)	31961	2.00000	2.22(a)
	12 Benzyl alcohol	108	1.279	1.279	(1.122)	22309	2.00000	2.18(a)
	13 1,2-Dichlorobenzene	146	1.268	1.268	(1.113)	30933	2.00000	2.23(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
15	2-Methylphenol	108	1.391	1.391	(1.221)	32686	2.00000	2.30(a)
14	Bis(2-chloroisopropyl)ether	45	1.386	1.386	(1.216)	50081	2.00000	2.41(a)
17	3- & 4-Methylphenol	108	1.509	1.509	(1.324)	32831	2.00000	2.38(a)
16	N-Nitroso-di-n-propylamine++	70	1.477	1.477	(1.296)	26217	2.00000	4.94(a)
18	Hexachloroethane	117	1.503	1.503	(1.319)	12641	2.00000	2.35(a)
$ 19	Nitrobenzene-d5	82	1.557	1.557	(0.772)	37731	2.00000	2.28(a)
20	Nitrobenzene	77	1.567	1.567	(0.777)	38157	2.00000	2.25(a)
21	Isophorone	82	1.739	1.739	(0.862)	70993	2.00000	2.35(a)
22	2-Nitrophenol +	139	1.781	1.781	(0.883)	15216	2.00000	2.07(a)
23	2,4-Dimethyphenol	107	1.856	1.856	(0.920)	33545	2.00000	2.26(a)
24	bis(-2-Chloroethoxy)methane	93	1.904	1.904	(0.944)	40848	2.00000	2.44(a)
25	Benzoic Acid	122	1.926	1.926	(0.955)	8232	2.00000	1.52(a)
26	2,4-Dichlorophenol +	162	1.953	1.953	(0.968)	21354	2.00000	2.16(a)
27	1,2,4-Trichlorobenzene	180	1.990	1.990	(0.987)	24568	2.00000	2.17(a)
* 28	Naphthalene-d8	136	2.017	2.017	(1.000)	1234160	40.0000	
29	Naphthalene	128	2.027	2.027	(1.005)	83152	2.00000	2.36(a)
30	4-Chloroaniline	127	2.086	2.086	(1.034)	26053	2.00000	2.93(a)
31	Hexachlorobutadiene +	225	2.124	2.124	(1.053)	13756	2.00000	2.01(a)
32	4-Chloro-3-Methylphenol +	107	2.429	2.429	(1.204)	26176	2.00000	2.27(a)
33	2-Methylnaphthalene	142	2.461	2.461	(1.220)	59565	2.00000	2.36(a)
145	1-Methylnapthalene	142	2.520	2.520	(1.249)	46534	2.00000	2.27(a)
34	Hexachlorocyclopentadiene ++	237	2.568	2.568	(0.832)	9886	2.00000	1.18(a)
35	2,4,6-Trichlorophenol +	196	2.653	2.653	(0.860)	14323	2.00000	1.92(a)
36	2,4,5-Trichlorphenol	196	2.680	2.680	(0.868)	15647	2.00000	2.04(a)
$ 37	2-Fluorobiphenyl	172	2.701	2.701	(0.875)	55640	2.00000	2.13(a)
38	2-Chloronaphthalene	162	2.755	2.755	(0.893)	47893	2.00000	2.37(aM)
39	2-Nitroaniline	138	2.835	2.835	(0.919)	13845	2.00000	1.94(a)
40	Dimethylphthalate	163	2.969	2.969	(0.962)	48057	2.00000	2.28(aM)
41	2,6-Dinitrotoluene	165	2.990	2.990	(0.969)	11804	2.00000	2.24(a)
42	Acenaphthylene	152	3.001	3.001	(0.972)	76276	2.00000	2.38(a)
43	3-Nitroaniline	138	3.086	3.086	(1.000)	11582	2.00000	2.21(a)
* 44	Acenaphthene-d10	164	3.086	3.086	(1.000)	738423	40.0000	
45	Acenaphthene +	153	3.108	3.108	(1.007)	52839	2.00000	2.28(a)
46	2,4-Dinitrophenol ++	184	3.161	3.161	(1.024)	2591	2.00000	4.77(aM)
49	4-Nitrophenol ++	109	3.236	3.236	(1.049)	4593	2.00000	1.71(a)
47	Dibenzofuran	168	3.215	3.215	(1.042)	71870	2.00000	2.28(a)
48	2,4-Dinitrotoluene	165	3.231	3.231	(1.047)	14175	2.00000	2.03(a)
50	Diethylphthalate	149	3.397	3.397	(1.101)	46892	2.00000	2.35(a)
52	4-Chlorophenyl-phenylether	204	3.439	3.439	(1.114)	23238	2.00000	2.12(a)
51	Fluorene	166	3.418	3.418	(1.107)	54734	2.00000	2.23(a)
53	4-Nitroaniline	138	3.086	3.086	(1.000)	11582	2.00000	2.49(a)
54	4,6-Dinitro-o-cresol	198	3.477	3.477	(0.875)	5090	2.00000	1.02(a)
55	N-nitrosodiphenylamine (1)+	169	3.514	3.514	(0.884)	33275	2.00000	2.01(a)
56	Azobenzene	77	3.530	3.530	(0.888)	63166	2.00000	2.11(a)
$ 57	2,4,6-Tribromophenol	332	3.568	3.568	(1.156)	5464	2.00000	1.66(a)
58	4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	11401	2.00000	1.83(a)
59	Hexachlorobenzene	284	3.750	3.750	(0.943)	15986	2.00000	1.98(a)

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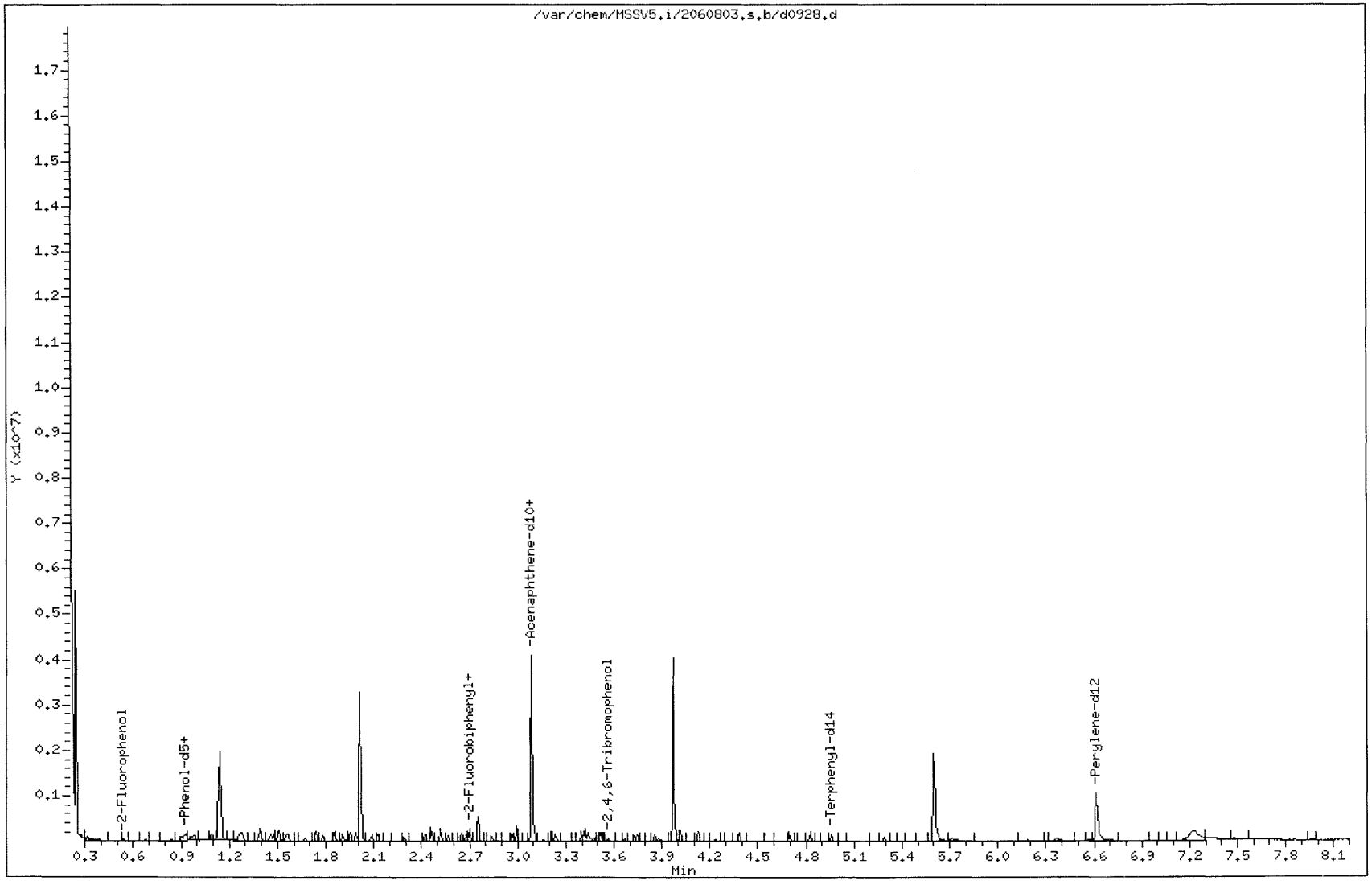
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.883	3.883	(0.977)	5778	2.00000	1.17(a)
*	61 Phenanthrene-d10	188	3.974	3.974	(1.000)	1121288	40.0000	
	62 Phenanthrene	178	3.985	3.985	(1.003)	76398	2.00000	2.30(a)
	63 Anthracene	178	4.017	4.017	(1.011)	72419	2.00000	2.18(a)
	64 Carbazole	167	4.129	4.129	(1.039)	58838	2.00000	2.25(a)
	65 Di-n-butylphthalate	149	4.386	4.386	(1.104)	59059	2.00000	1.93(a)
	67 Fluoranthene +	202	4.696	4.696	(1.182)	59847	2.00000	2.04(a)
	68 Benzidine	184	4.809	4.809	(0.859)	5719	2.00000	2.62(a)
	69 Pyrene	202	4.825	4.825	(0.862)	62107	2.00000	2.25(a)
$	70 Terphenyl-d14	244	4.958	4.958	(0.885)	37810	2.00000	2.06(a)
	71 Butylbenzylphthalate	149	5.290	5.290	(0.945)	17466	2.00000	1.74(a)
	73 3,3'-Dichlorobenzidine	252	5.611	5.611	(1.002)	11192	2.00000	1.95(a)
	72 Benzo(a)anthracene	228	5.600	5.600	(1.000)	36545	2.00000	5.04(a)
*	74 Chrysene-d12	240	5.600	5.600	(1.000)	690212	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.713	5.713	(1.020)	18230	2.00000	1.75(a)
	75 Chrysene	228	5.622	5.622	(1.004)	55422	2.00000	2.39(a)
	77 Di-n-octylphthalate +	149	6.183	6.183	(1.104)	15027	2.00000	0.795(a)
	78 Benzo(b)fluoranthene	252	6.354	6.354	(0.960)	15742	2.00000	3.68(aH)
	79 Benzo(k)fluoranthene	252	6.371	6.371	(0.963)	36575	2.00000	1.79(a)
	80 Benzo(a)pyrene +	252	6.574	6.574	(0.994)	13837	2.00000	0.987(a)
*	81 Perylene-d12	264	6.617	6.617	(1.000)	475499	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.323	7.323	(1.308)	10067	2.00000	6.17(a)
	83 Dibenzo(a,h)anthracene	278	7.344	7.344	(1.110)	15745	2.00000	4.88(a)
	84 Benzo(g,h,i)perylene	276	7.483	7.483	(1.131)	17338	2.00000	2.87(aH)
M	66 Total Methylphenol	108				65517	4.00000	4.68(a)
	91 Acetophenone	105	1.455	1.455	(1.277)	41741	2.00000	2.32(a)
	155 Benzaldehyde	77	0.835	0.835	(0.732)	4026	2.00000	1.30(a)
	156 Caprolactam	113	2.290	2.290	(1.135)	7702	2.00000	2.31(a)
	157 Biphenyl	154	2.755	2.755	(1.366)	66638	2.00000	6.59(a)
	158 Atrazine	200	3.857	3.857	(0.970)	10096	2.00000	1.90(aH)
	174 1,4-Dioxane	88	0.278	0.278	(0.244)	4274	2.00000	2.63(aM)

QC Flag Legend

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

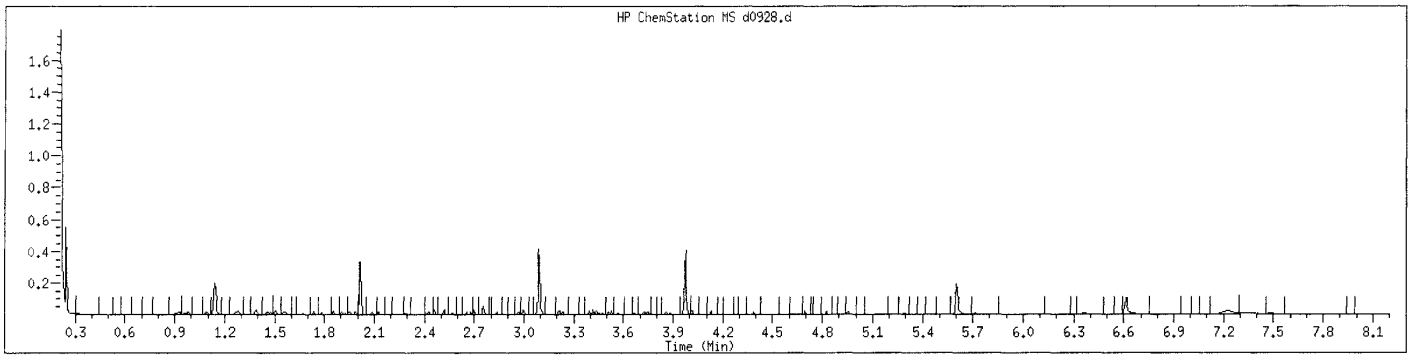
Data File: /var/chem/MSSV5.i/2060803.s.b/d0928.d
Date : 03-AUG-2006 11:07
Client ID: STD002
Sample Info: 1203*4-57-15
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: jar3
Column diameter: 0.25



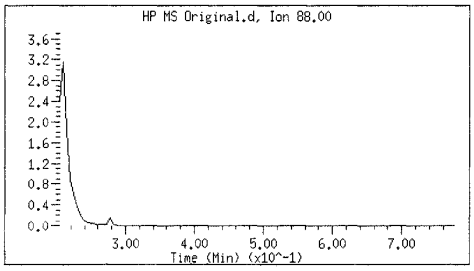
MANUAL INTEGRATION GRAPHIC REPORT

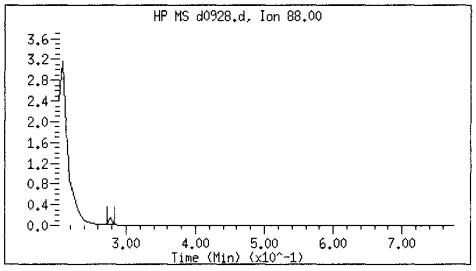
Lab ID : 1203 SampleType : CALIB_3
Injection Date: 03-AUG-2006 11:07 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1203*4-57-15
Misc Info : STD002*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



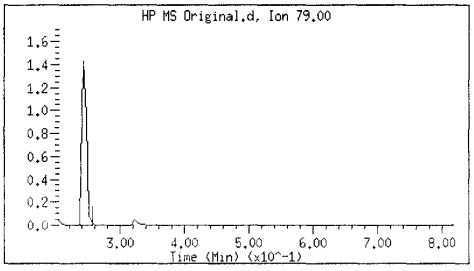
Original Final

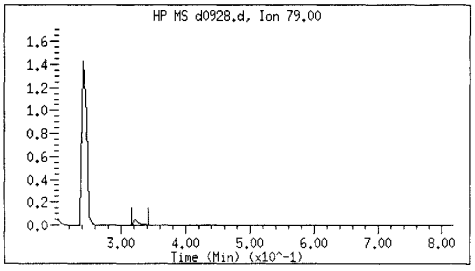
174 1,4-Dioxane CAS#: 123-91-1





2 Pyridine CAS#: 110-86-1





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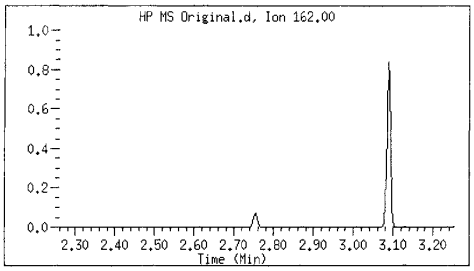
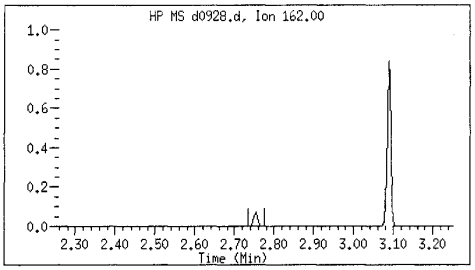
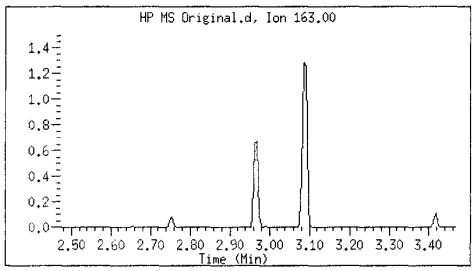
Original Final

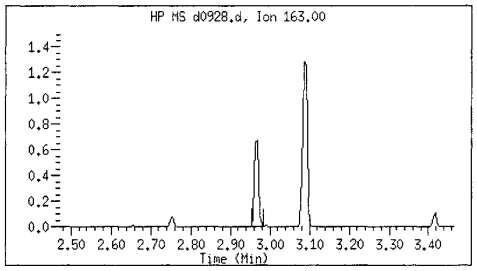
38 2-Chloronaphthalene CAS#: 91-58-7



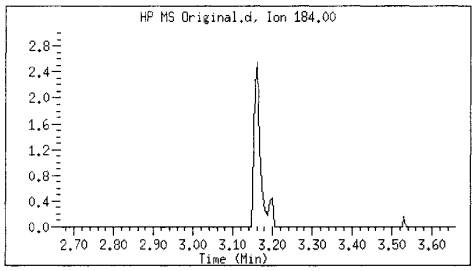


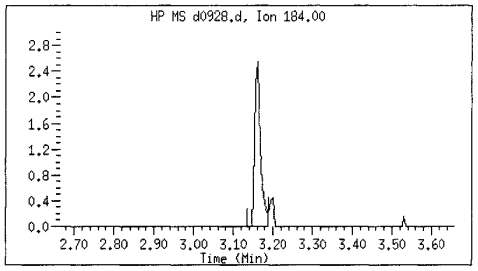
40 Dimethylphthalate CAS#: 131-11-3





46 2,4-Dinitrophenol ++ CAS#: 51-28-5





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GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0929.d
Lab Smp Id: 1202 Client Smp ID: STD001
Inj Date : 03-AUG-2006 11:21
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1202*4-57-16
Misc Info : STD001*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 11:21 Cal File: d0929.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	0.321	0.321	(0.282)	2287	1.00000	0.885(aM)
$	3 2-Fluorophenol	112	0.546	0.546	(0.479)	2271	1.00000	0.891(a)
$	4 Phenol-d5	99	0.926	0.926	(0.812)	12824	1.00000	1.08(a)
	5 Aniline	93	0.904	0.904	(0.793)	13351	1.00000	1.12(a)
	6 Phenol +	94	0.931	0.931	(0.817)	17123	1.00000	1.18(a)
	7 bis(-2-Chloroethyl)Ether	63	0.963	0.963	(0.845)	12286	1.00000	0.880(a)
	8 2-Chlorophenol	128	0.984	0.984	(0.864)	12752	1.00000	1.09(a)
	9 1,3-Dichlorobenzene	146	1.091	1.091	(0.958)	14943	1.00000	1.09(a)
*	10 1,4-Dichlorobenzene-d4	152	1.139	1.139	(1.000)	277709	40.0000	
	11 1,4-Dichlorobenzene +	146	1.156	1.156	(1.014)	15351	1.00000	1.13(a)
	12 Benzyl alcohol	108	1.279	1.279	(1.122)	10286	1.00000	1.07(a)
	13 1,2-Dichlorobenzene	146	1.268	1.268	(1.113)	14400	1.00000	1.10(a)
	15 2-Methylphenol	108	1.391	1.391	(1.221)	15313	1.00000	1.14(a)

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppm)	ON-COL (ppm)
	14	Bis(2-chloroisopropyl)ether	45	1.386	1.386	(1.216)	25342	1.00000	1.30(a)
	17	3- & 4-Methylphenol	108	1.509	1.509	(1.324)	14879	1.00000	1.15(a)
	16	N-Nitroso-di-n-propylamine++	70	1.482	1.482	(1.300)	12381	1.00000	4.37(a)
	18	Hexachloroethane	117	1.503	1.503	(1.319)	6256	1.00000	1.23(a)
$	19	Nitrobenzene-d5	82	1.557	1.557	(0.772)	19110	1.00000	1.21(a)
	20	Nitrobenzene	77	1.567	1.567	(0.777)	17536	1.00000	1.08(a)
	21	Isophorone	82	1.739	1.739	(0.862)	33656	1.00000	1.16(a)
	22	2-Nitrophenol +	139	1.787	1.787	(0.886)	7865	1.00000	1.12(a)
	23	2,4-Dimethyphenol	107	1.856	1.856	(0.920)	16164	1.00000	1.14(a)
	24	bis(-2-Chloroethoxy)methane	93	1.904	1.904	(0.944)	18479	1.00000	1.15(a)
	25	Benzoic Acid	122	1.931	1.931	(0.958)	3929	1.00000	0.756(a)
	26	2,4-Dichlorophenol +	162	1.952	1.952	(0.968)	10437	1.00000	1.11(a)
	27	1,2,4-Trichlorobenzene	180	1.990	1.990	(0.987)	11521	1.00000	1.05(a)
*	28	Naphthalene-d8	136	2.017	2.017	(1.000)	1181370	40.0000	
	29	Naphthalene	128	2.027	2.027	(1.005)	41199	1.00000	1.19(a)
	30	4-Chloroaniline	127	2.086	2.086	(1.034)	12307	1.00000	1.64(a)
	31	Hexachlorobutadiene +	225	2.129	2.129	(1.056)	7205	1.00000	1.09(a)
	32	4-Chloro-3-Methylphenol +	107	2.423	2.423	(1.202)	13467	1.00000	1.22(a)
	33	2-Methylnaphthalene	142	2.461	2.461	(1.220)	29410	1.00000	1.18(a)
	145	1-Methylnapthalene	142	2.519	2.519	(1.249)	23542	1.00000	1.17(a)
	34	Hexachlorocyclopentadiene ++	237	2.568	2.568	(0.832)	4505	1.00000	0.576(a)
	35	2,4,6-Trichlorophenol +	196	2.653	2.653	(0.860)	6322	1.00000	0.918(a)
	36	2,4,5-Trichlorphenol	196	2.680	2.680	(0.868)	6883	1.00000	0.967(a)
$	37	2-Fluorobiphenyl	172	2.701	2.701	(0.875)	25781	1.00000	1.05(a)
	38	2-Chloronaphthalene	162	2.755	2.755	(0.893)	23695	1.00000	1.26(aM)
	39	2-Nitroaniline	138	2.835	2.835	(0.919)	6379	1.00000	0.958(a)
	40	Dimethylphthalate	163	2.963	2.963	(0.960)	22653	1.00000	1.15(aM)
	41	2,6-Dinitrotoluene	165	3.086	3.086	(1.000)	87681	1.00000	17.8
	42	Acenaphthylene	152	2.995	2.995	(0.971)	35250	1.00000	1.15(a)
	43	3-Nitroaniline	138	3.086	3.086	(1.000)	5516	1.00000	1.11(a)
*	44	Acenaphthene-d10	164	3.086	3.086	(1.000)	688544	40.0000	
	45	Acenaphthene +	153	3.108	3.108	(1.007)	26625	1.00000	1.20(a)
	49	4-Nitrophenol ++	109	3.242	3.242	(1.050)	2058	1.00000	0.821(a)
	47	Dibenzofuran	168	3.215	3.215	(1.042)	34179	1.00000	1.16(a)
	48	2,4-Dinitrotoluene	165	3.231	3.231	(1.047)	6875	1.00000	1.05(a)
	50	Diethylphthalate	149	3.397	3.397	(1.101)	22077	1.00000	1.19(a)
	52	4-Chlorophenyl-phenylether	204	3.439	3.439	(1.114)	11712	1.00000	1.15(a)
	51	Fluorene	166	3.418	3.418	(1.107)	26205	1.00000	1.13(a)
	54	4,6-Dinitro-o-cresol	198	3.477	3.477	(0.875)	1844	1.00000	0.386(a)
	55	N-nitrosodiphenylamine (1)+	169	3.514	3.514	(0.884)	15717	1.00000	0.995(a)
	56	Azobenzene	77	3.530	3.530	(0.888)	29955	1.00000	1.04(a)
$	57	2,4,6-Tribromophenol	332	3.568	3.568	(1.156)	2052	1.00000	0.667(a)
	58	4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	5073	1.00000	0.871(a)
	59	Hexachlorobenzene	284	3.750	3.750	(0.943)	7620	1.00000	0.990(a)
	60	Pentachlorophenol +	266	3.883	3.883	(0.977)	1808	1.00000	0.384(a)
*	61	Phenanthrene-d10	188	3.974	3.974	(1.000)	1070722	40.0000	
	62	Phenanthrene	178	3.985	3.985	(1.003)	36740	1.00000	1.13(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	63 Anthracene	178	4.017	4.017	(1.011)	33038	1.00000	1.04(a)
	64 Carbazole	167	4.129	4.129	(1.039)	25948	1.00000	1.04(a)
	65 Di-n-butylphthalate	149	4.386	4.386	(1.104)	24984	1.00000	0.872(a)
	67 Fluoranthene +	202	4.696	4.696	(1.182)	27110	1.00000	0.972(a)
	68 Benzidine	184	4.809	4.809	(0.859)	2068	1.00000	1.00(a)
	69 Pyrene	202	4.825	4.825	(0.862)	28136	1.00000	1.07(a)
$	70 Terphenyl-d14	244	4.958	4.958	(0.885)	17080	1.00000	0.988(a)
	71 Butylbenzylphthalate	149	5.290	5.290	(0.945)	6334	1.00000	0.670(a)
	73 3,3'-Dichlorobenzidine	252	5.611	5.611	(1.002)	3355	1.00000	0.620(a)
	72 Benzo(a)anthracene	228	5.600	5.600	(1.000)	20586	1.00000	3.49(a)
*	74 Chrysene-d12	240	5.600	5.600	(1.000)	650000	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.713	5.713	(1.020)	4866	1.00000	0.741(a)
	75 Chrysene	228	5.616	5.616	(1.003)	21819	1.00000	0.998(a)
	77 Di-n-octylphthalate +	149	6.183	6.183	(1.104)	2928	1.00000	0.164(a)
	78 Benzo(b)fluoranthene	252	6.349	6.349	(0.960)	4007	1.00000	2.12(aH)
	79 Benzo(k)fluoranthene	252	6.370	6.370	(0.963)	15024	1.00000	0.804(a)
	80 Benzo(a)pyrene +	252	6.568	6.568	(0.993)	4966	1.00000	0.377(a)
*	81 Perylene-d12	264	6.617	6.617	(1.000)	446505	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.317	7.317	(1.307)	4855	1.00000	4.43(a)
	83 Dibenzo(a,h)anthracene	278	7.349	7.349	(1.111)	3166	1.00000	3.07(a)
	84 Benzo(g,h,i)perylene	276	7.483	7.483	(1.131)	5917	1.00000	1.78(a)
M	66 Total Methylphenol	108				30192	2.00000	2.29(a)
	91 Acetophenone	105	1.460	1.460	(1.282)	19481	1.00000	1.15(a)
	155 Benzaldehyde	77	0.840	0.840	(0.737)	1866	1.00000	4.02(a)
	156 Caprolactam	113	2.289	2.289	(1.135)	3611	1.00000	1.11(a)
	157 Biphenyl	154	2.755	2.755	(1.366)	32310	1.00000	5.83(a)
	158 Atrazine	200	3.857	3.857	(0.970)	4065	1.00000	0.823(aH)

QC Flag Legend

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

Data File: /var/chem/MSSV5.i/2060803.s.b/d0929.d

Page 1

Date : 03-AUG-2006 11:21

Client ID: STD001

Instrument: MSSV5.i

Sample Info: 1202*4-57-16

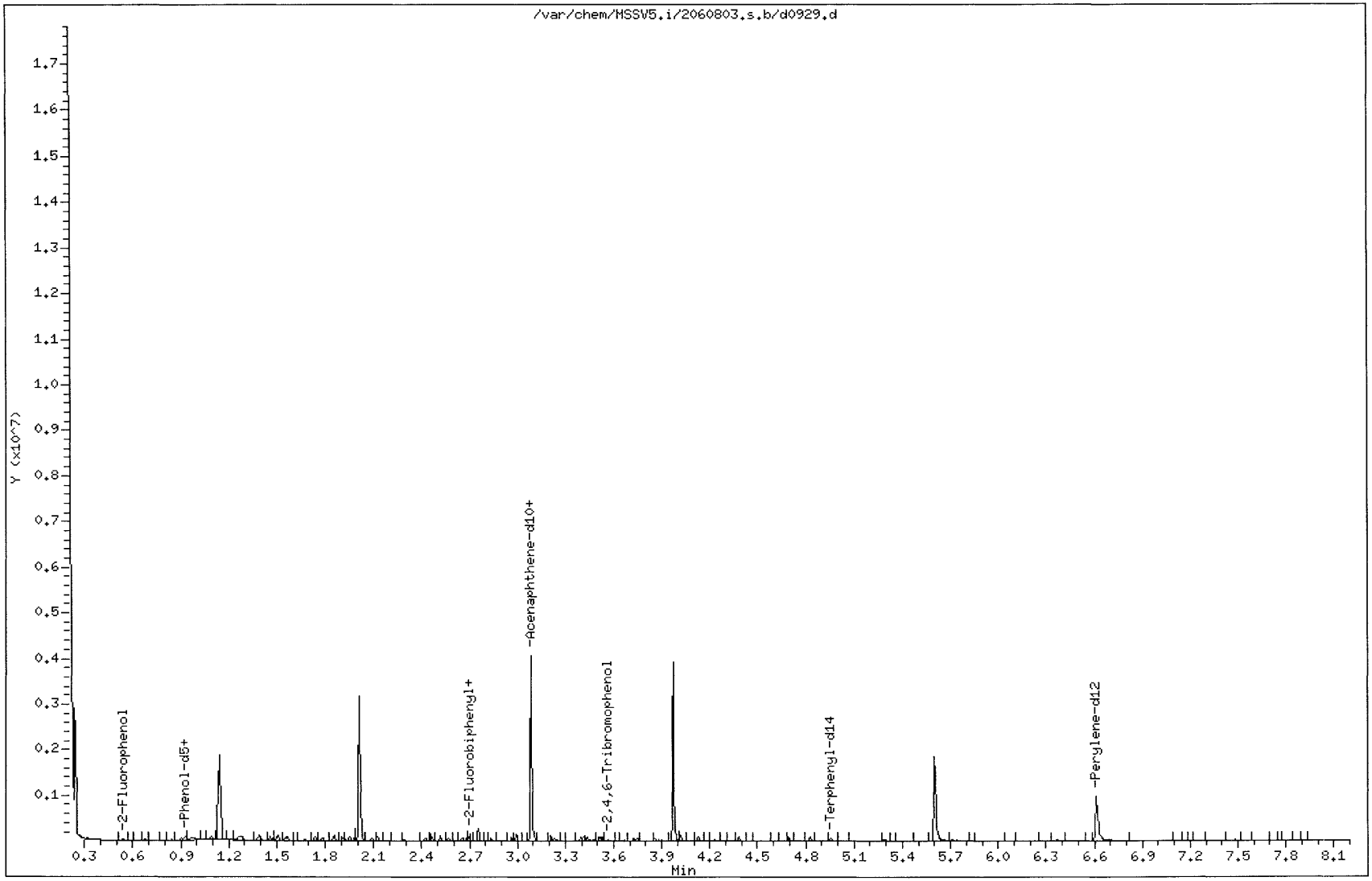
Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

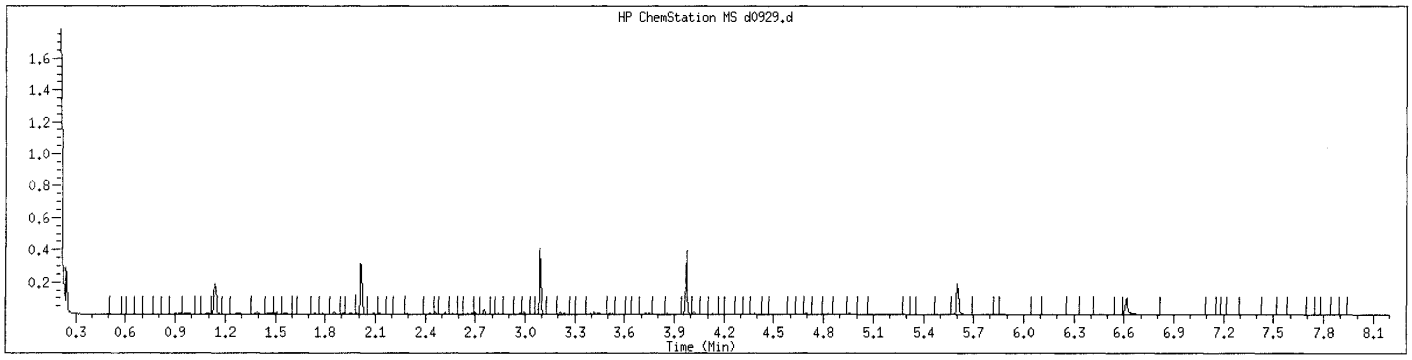
Column diameter: 0.25

067000



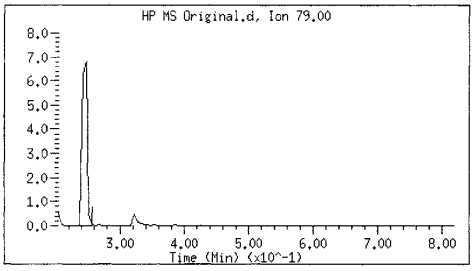
MANUAL INTEGRATION GRAPHIC REPORT

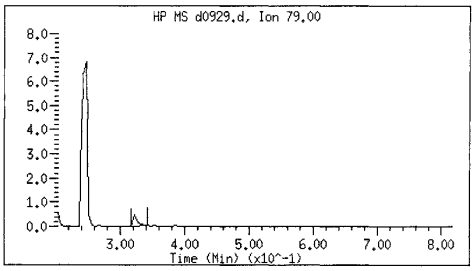
Lab ID : 1202 SampleType : CALIB_2
Injection Date: 03-AUG-2006 11:21 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1202*4-57-16
Misc Info : STD001*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



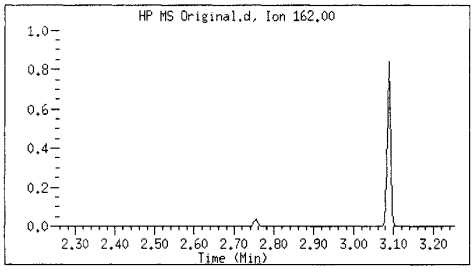
Original Final

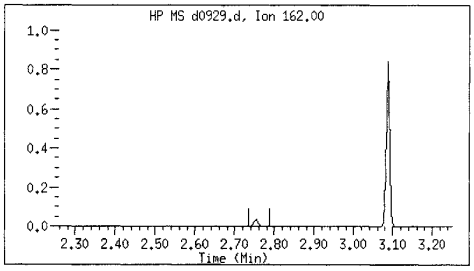
2 Pyridine CAS#: 110-86-1





38 2-Chloronaphthalene CAS#: 91-58-7

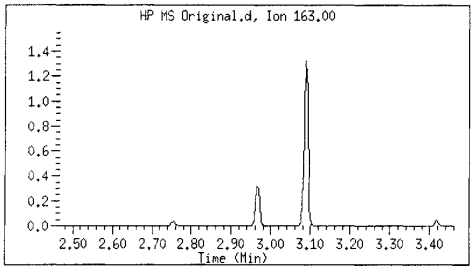


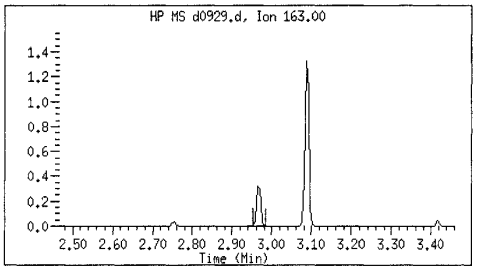


167252

Original Final

40 Dimethylphthalate CAS#: 131-11-3





GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0930.d
Lab Smp Id: 1201 Client Smp ID: STD0.2
Inj Date : 03-AUG-2006 11:36
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1201*4-57-17
Misc Info : STD0.2*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:22 rlw Quant Type: ISTD
Cal Date : 03-AUG-2006 11:36 Cal File: d0930.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	0.546	0.546	(0.479)	520	0.20000	0.245(a)
$ 4	Phenol-d5	99	0.925	0.925	(0.812)	3170	0.20000	0.320(a)
5	Aniline	93	0.904	0.904	(0.793)	2879	0.20000	0.290(a)
6	Phenol +	94	0.936	0.936	(0.822)	3632	0.20000	0.301(a)
7	bis(-2-Chloroethyl)Ether	63	0.963	0.963	(0.845)	3457	0.20000	0.298(a)
8	2-Chlorophenol	128	0.979	0.979	(0.859)	2960	0.20000	0.303(a)
9	1,3-Dichlorobenzene	146	1.091	1.091	(0.958)	3411	0.20000	0.300(a)
* 10	1,4-Dichlorobenzene-d4	152	1.139	1.139	(1.000)	231178	40.0000	
11	1,4-Dichlorobenzene +	146	1.150	1.150	(1.009)	3528	0.20000	0.312(a)
12	Benzyl alcohol	108	1.278	1.278	(1.122)	2074	0.20000	0.258(a)
13	1,2-Dichlorobenzene	146	1.268	1.268	(1.113)	3328	0.20000	0.307(a)
15	2-Methylphenol	108	1.396	1.396	(1.225)	3232	0.20000	0.290(a)
14	Bis(2-chloroisopropyl)ether	45	1.385	1.385	(1.216)	5877	0.20000	0.361(a)

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	17	3- & 4-Methylphenol	108	1.508	1.508	(1.324)	3737	0.20000	0.346(a)
	16	N-Nitroso-di-n-propylamine++	70	1.482	1.482	(1.300)	2753	0.20000	3.95(a)
	18	Hexachloroethane	117	1.503	1.503	(1.319)	1414	0.20000	0.335(aM)
$	19	Nitrobenzene-d5	82	1.557	1.557	(0.774)	3340	0.20000	0.260(aM)
	20	Nitrobenzene	77	1.567	1.567	(0.779)	3903	0.20000	0.296(a)
	21	Isophorone	82	1.738	1.738	(0.864)	7800	0.20000	0.332(a)
	23	2,4-Dimethyphenol	107	1.856	1.856	(0.923)	3145	0.20000	0.273(a)
	24	bis(-2-Chloroethoxy)methane	93	1.904	1.904	(0.947)	4396	0.20000	0.338(a)
	26	2,4-Dichlorophenol +	162	1.952	1.952	(0.971)	2173	0.20000	0.283(aH)
	27	1,2,4-Trichlorobenzene	180	1.990	1.990	(0.989)	2073	0.20000	0.234(a)
*	28	Naphthalene-d8	136	2.011	2.011	(1.000)	959790	40.0000	
	29	Naphthalene	128	2.027	2.027	(1.008)	9049	0.20000	0.322(a)
	30	4-Chloroaniline	127	2.091	2.091	(1.040)	2989	0.20000	1.02(a)
	31	Hexachlorobutadiene +	225	2.129	2.129	(1.058)	1631	0.20000	0.286(a)
	32	4-Chloro-3-Methylphenol +	107	2.428	2.428	(1.207)	2417	0.20000	0.269(a)
	33	2-Methylnaphthalene	142	2.460	2.460	(1.223)	6687	0.20000	0.331(a)
	145	1-Methylnapthalene	142	2.519	2.519	(1.253)	5047	0.20000	0.308(a)
	35	2,4,6-Trichlorophenol +	196	2.658	2.658	(0.861)	1063	0.20000	0.195(a)
	36	2,4,5-Trichlorphenol	196	2.680	2.680	(0.868)	1418	0.20000	0.252(a)
$	37	2-Fluorobiphenyl	172	2.701	2.701	(0.875)	5804	0.20000	0.300(a)
	38	2-Chloronaphthalene	162	2.755	2.755	(0.893)	5010	0.20000	0.337(aM)
	39	2-Nitroaniline	138	2.840	2.840	(0.920)	1400	0.20000	0.266(a)
	40	Dimethylphthalate	163	2.969	2.969	(0.962)	4465	0.20000	0.288(aM)
	41	2,6-Dinitrotoluene	165	3.086	3.086	(1.000)	69913	0.20000	18.0
	42	Acenaphthylene	152	3.001	3.001	(0.972)	7339	0.20000	0.304(a)
	43	3-Nitroaniline	138	3.092	3.092	(1.002)	1195	0.20000	0.304(a)
*	44	Acenaphthene-d10	164	3.086	3.086	(1.000)	544207	40.0000	
	45	Acenaphthene +	153	3.108	3.108	(1.007)	5709	0.20000	0.325(a)
	49	4-Nitrophenol ++	109	3.247	3.247	(1.052)	272	0.20000	0.137(a)
	47	Dibenzofuran	168	3.215	3.215	(1.042)	6660	0.20000	0.286(a)
	48	2,4-Dinitrotoluene	165	3.236	3.236	(1.049)	1123	0.20000	0.218(aM)
	50	Diethylphthalate	149	3.397	3.397	(1.101)	4738	0.20000	0.322(a)
	52	4-Chlorophenyl-phenylether	204	3.439	3.439	(1.114)	2420	0.20000	0.300(a)
	51	Fluorene	166	3.418	3.418	(1.107)	5331	0.20000	0.290(a)
	55	N-nitrosodiphenylamine (1)+	169	3.514	3.514	(0.884)	3420	0.20000	0.282(a)
	56	Azobenzene	77	3.530	3.530	(0.888)	6102	0.20000	0.276(a)
$	57	2,4,6-Tribromophenol	332	3.568	3.568	(1.156)	412	0.20000	0.170(a)
	58	4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	1191	0.20000	0.266(a)
	59	Hexachlorobenzene	284	3.750	3.750	(0.943)	1554	0.20000	0.263(a)
*	61	Phenanthrene-d10	188	3.974	3.974	(1.000)	822214	40.0000	
	62	Phenanthrene	178	3.985	3.985	(1.003)	7750	0.20000	0.312(a)
	63	Anthracene	178	4.017	4.017	(1.011)	6924	0.20000	0.283(a)
	64	Carbazole	167	4.135	4.135	(1.040)	5511	0.20000	0.288(a)
	65	Di-n-butylphthalate	149	4.386	4.386	(1.104)	3814	0.20000	0.173(a)
	67	Fluoranthene +	202	4.696	4.696	(1.182)	4693	0.20000	0.219(a)
	69	Pyrene	202	4.825	4.825	(0.862)	5122	0.20000	0.267(a)
$	70	Terphenyl-d14	244	4.958	4.958	(0.885)	2881	0.20000	0.228(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
73	3,3'-Dichlorobenzidine	252	5.616	5.616	(1.003)	769	0.20000	0.194(a)
72	Benzo(a)anthracene	228	5.600	5.600	(1.000)	4154	0.20000	2.23(a)
* 74	Chrysene-d12	240	5.600	5.600	(1.000)	475392	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.712	5.712	(1.020)	800	0.20000	0.431(a)
75	Chrysene	228	5.622	5.622	(1.004)	6375	0.20000	0.399(a)
78	Benzo(b)fluoranthene	252	6.354	6.354	(0.960)	1181	0.20000	1.46(aH)
79	Benzo(k)fluoranthene	252	6.376	6.376	(0.964)	1596	0.20000	0.109(a)
80	Benzo(a)pyrene +	252	6.574	6.574	(0.994)	984	0.20000	0.0957(a)
* 81	Perylene-d12	264	6.616	6.616	(1.000)	348814	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.317	7.317	(1.307)	760	0.20000	3.28(a)
84	Benzo(g,h,i)perylene	276	7.483	7.483	(1.131)	1635	0.20000	1.51(a)
M 66	Total Methylphenol	108				6969	0.40000	0.636(a)
91	Acetophenone	105	1.460	1.460	(1.282)	4335	0.20000	0.308(a)
156	Caprolactam	113	2.295	2.295	(1.141)	667	0.20000	0.253(a)
158	Atrazine	200	3.856	3.856	(0.970)	688	0.20000	0.183(a)

QC Flag Legend

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

Data File: /var/chem/MSSV5.i/2060803.s.b/d0930.d

Date : 03-AUG-2006 11:36

Client ID: STD0.2

Instrument: MSSV5.i

Sample Info: 1201x4-57-17

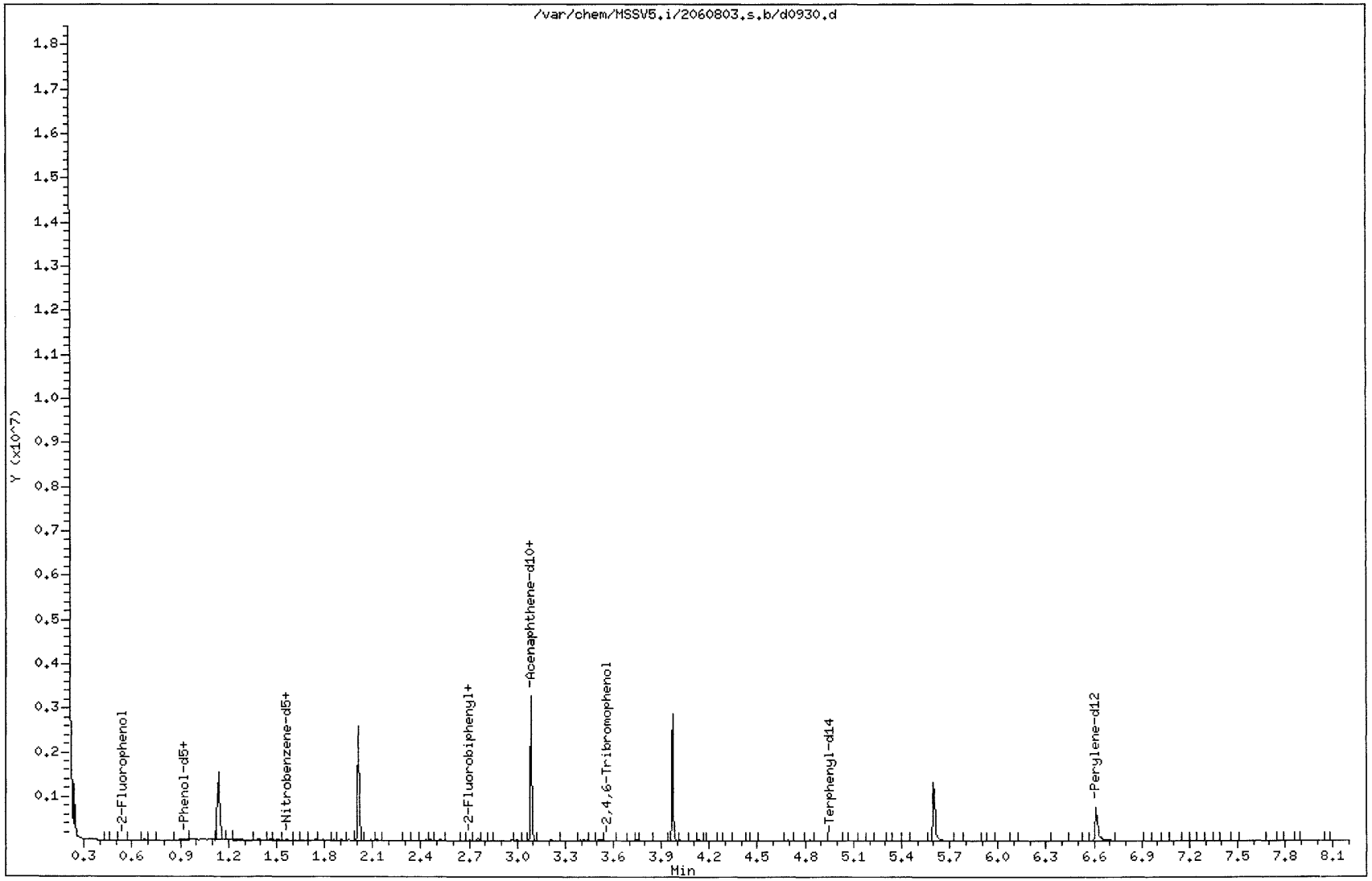
Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

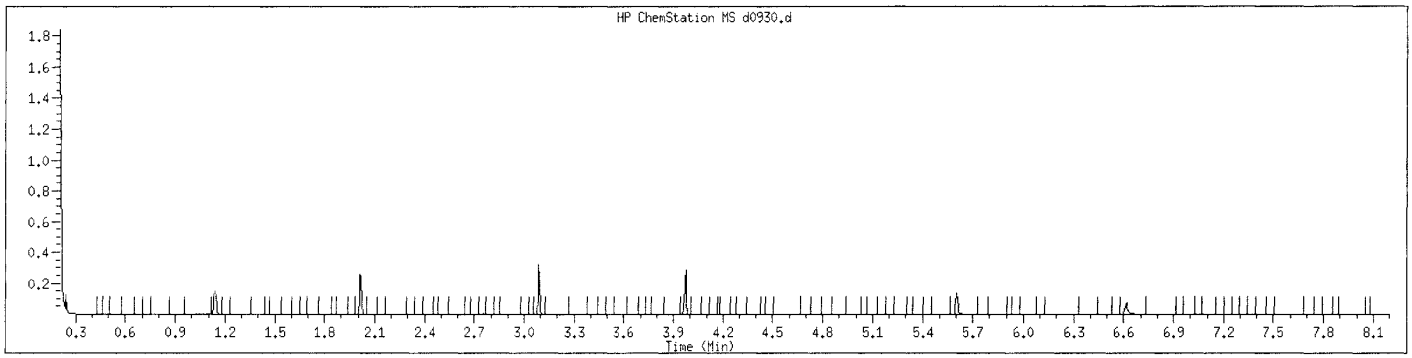
Column diameter: 0.25

96,000



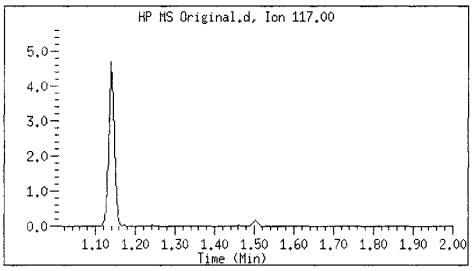
MANUAL INTEGRATION GRAPHIC REPORT

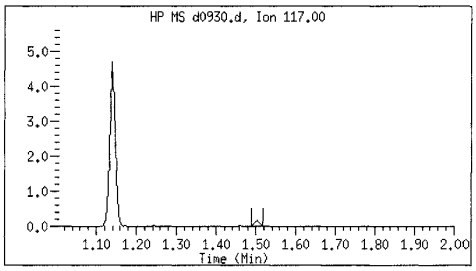
Lab ID : 1201 SampleType : CALIB_1
Injection Date: 03-AUG-2006 11:36 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1201*4-57-17
Misc Info : STD0.2*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



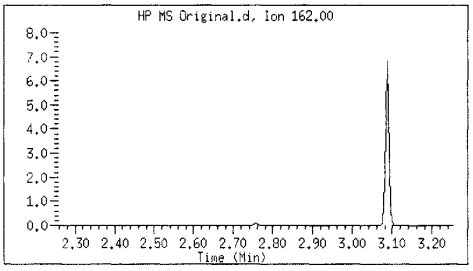
Original Final

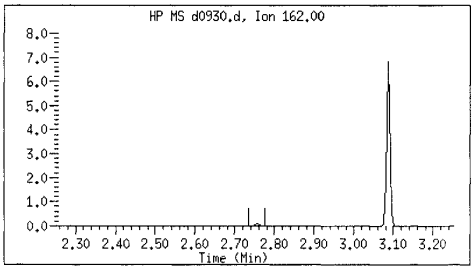
18 Hexachloroethane CAS#: 67-72-1





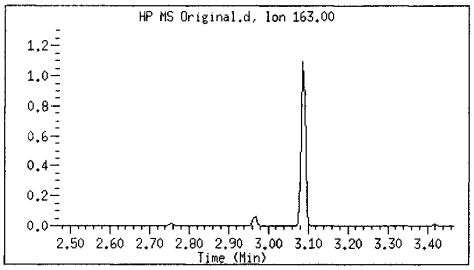
38 2-Chloronaphthalene CAS#: 91-58-7

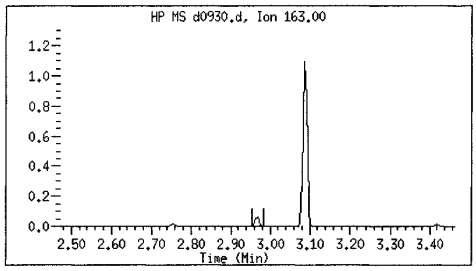




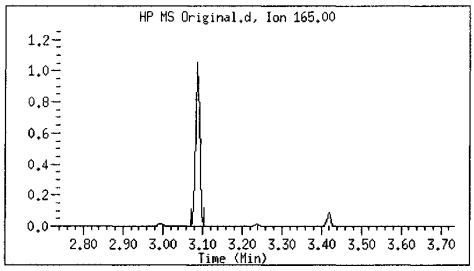
Original Final

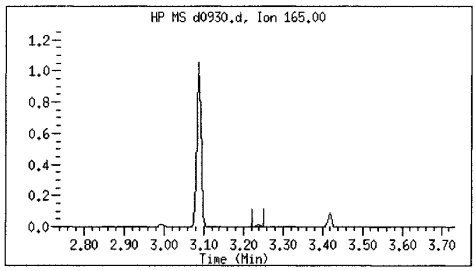
40 Dimethylphthalate CAS#: 131-11-3



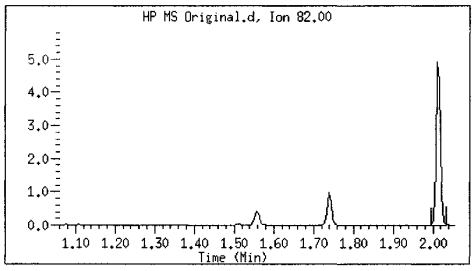


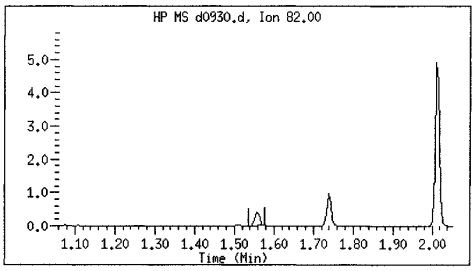
48 2,4-Dinitrotoluene CAS#: 121-14-2





$ 19 Nitrobenzene-d5 CAS#: 4165-60-0





GCAL, Inc.

RECOVERY REPORT

Client Name: 4-57-18
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: ICV75.spk
Sublist File: ICV.sub
Method File: /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Misc Info: ICV050*MSSV~3862~*

Client SDG: 2060803.s
Fraction: SV
Client Smp ID: ICV050
Operator: jar3
SampleType: LCS
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	n-Nitrosodimethylamine	50.0	51.6	103.12	75-125
2	Pyridine	50.0	30.7	61.37*	75-125
6	Phenol +	50.0	51.2	102.34	75-125
5	Aniline	50.0	52.1	104.18	75-125
7	bis(-2-Chloroethyl)Ether	50.0	50.6	101.18	75-125
8	2-Chlorophenol	50.0	51.3	102.61	75-125
9	1,3-Dichlorobenzene	50.0	51.3	102.51	75-125
11	1,4-Dichlorobenzene +	50.0	51.5	103.03	75-125
13	1,2-Dichlorobenzene	50.0	51.0	101.98	75-125
12	Benzyl alcohol	50.0	50.1	100.27	75-125
15	2-Methylphenol	50.0	50.7	101.33	75-125
14	Bis(2-chloroisopropyl)ether	50.0	53.8	107.52	75-125
17	3- & 4-Methylphenol	50.0	53.0	105.92	75-125
16	N-Nitroso-di-n-propylamine++	50.0	46.2	92.48	75-125
18	Hexachloroethane	50.0	51.9	103.77	75-125
20	Nitrobenzene	50.0	52.7	105.33	75-125
21	Isophorone	50.0	52.4	104.86	75-125
22	2-Nitrophenol +	50.0	50.8	101.58	75-125
23	2,4-Dimethyphenol	50.0	53.6	107.18	75-125
25	Benzoic Acid	50.0	54.3	108.66	75-125
24	bis(-2-Chloroethoxy)methane	50.0	53.1	106.28	75-125
26	2,4-Dichlorophenol +	50.0	53.0	106.09	75-125
27	1,2,4-Trichlorobenzene	50.0	50.6	101.11	75-125
29	Naphthalene	50.0	50.6	101.24	75-125
30	4-Chloroaniline	50.0	51.5	102.99	75-125
31	Hexachlorobutadiene +	50.0	49.1	98.15	75-125
32	4-Chloro-3-Methylphenol +	50.0	54.1	108.30	75-125
33	2-Methylnaphthalene	50.0	50.6	101.12	75-125
34	Hexachlorocyclopentadiene ++	50.0	47.3	94.64	75-125
35	2,4,6-Trichlorophenol +	50.0	52.3	104.63	75-125
36	2,4,5-Trichlorphenol	50.0	51.6	103.24	75-125
38	2-Chloronaphthalene	50.0	55.3	110.68	75-125
39	2-Nitroaniline	50.0	54.7	109.46	75-125

167260

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 Dimethylphthalate	50.0	53.3	106.55	75-125
41 2,6-Dinitrotoluene	50.0	55.2	110.31	75-125
42 Acenaphthylene	50.0	50.5	100.95	75-125
43 3-Nitroaniline	50.0	53.3	106.64	75-125
45 Acenaphthene +	50.0	52.2	104.33	75-125
46 2,4-Dinitrophenol ++	50.0	51.5	102.94	75-125
49 4-Nitrophenol ++	50.0	56.3	112.55	75-125
48 2,4-Dinitrotoluene	50.0	54.1	108.18	75-125
47 Dibenzofuran	50.0	53.2	106.37	75-125
50 Diethylphthalate	50.0	55.3	110.64	75-125
51 Fluorene	50.0	53.3	106.62	75-125
52 4-Chlorophenyl-phenylether	50.0	53.6	107.28	75-125
55 N-nitrosodiphenylamine (1)+	50.0	52.7	105.48	75-125
53 4-Nitroaniline	50.0	52.9	105.78	75-125
54 4,6-Dinitro-o-cresol	50.0	48.9	97.86	75-125
56 Azobenzene	50.0	54.3	108.54	75-125
58 4-Bromophenyl-phenylether	50.0	49.8	99.67	75-125
59 Hexachlorobenzene	50.0	49.9	99.73	75-125
60 Pentachlorophenol +	50.0	47.6	95.15	75-125
62 Phenanthrene	50.0	50.7	101.39	75-125
63 Anthracene	50.0	51.0	102.03	75-125
65 Di-n-butylphthalate	50.0	53.5	107.08	75-125
67 Fluoranthene +	50.0	51.7	103.40	75-125
69 Pyrene	50.0	50.1	100.22	75-125
71 Butylbenzylphthalate	50.0	51.9	103.80	75-125
73 3,3'-Dichlorobenzidine	50.0	53.6	107.27	75-125
72 Benzo(a)anthracene	50.0	50.3	100.63	75-125
75 Chrysene	50.0	49.0	98.01	75-125
76 bis(2-Ethylhexyl)phthalate	50.0	49.8	99.62	75-125
77 Di-n-octylphthalate +	50.0	48.3	96.59	75-125
78 Benzo(b)fluoranthene	50.0	48.1	96.14	75-125
79 Benzo(k)fluoranthene	50.0	51.1	102.17	75-125
80 Benzo(a)pyrene +	50.0	53.4	106.74	75-125
82 Indeno(1,2,3-cd)pyrene	50.0	44.6	89.18	75-125
83 Dibenzo(a,h)anthracene	50.0	47.0	93.95	75-125
84 Benzo(g,h,i)perylene	50.0	47.2	94.46	75-125

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	50.0	52.0	104.09	80-120
$ 4 Phenol-d5	50.0	50.3	100.67	80-120
$ 19 Nitrobenzene-d5	50.0	52.0	103.97	80-120
$ 37 2-Fluorobiphenyl	50.0	51.2	102.42	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 57 2,4,6-Tribromophenol	50.0	52.1	104.12	80-120
$ 70 Terphenyl-d14	50.0	51.0	102.07	80-120

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060803.s.b/d0931.d
Lab Smp Id: 1600 Client Smp ID: ICV050
Inj Date : 03-AUG-2006 11:50
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1600*4-57-18
Misc Info : ICV050*MSSV~3862~*
Comment :
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Meth Date : 24-Aug-2006 08:23 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	2 Pyridine	79	0.316	0.321	(0.276)	70728	30.6835	30.7(RM)
	1 n-Nitrosodimethylamine	42	0.310	0.311	(0.271)	75712	51.5620	51.6
$	3 2-Fluorophenol	112	0.540	0.546	(0.472)	118263	52.0459	52.0
$	4 Phenol-d5	99	0.931	0.925	(0.813)	533685	50.3351	50.3
	5 Aniline	93	0.904	0.904	(0.790)	554428	52.0878	52.1
	6 Phenol +	94	0.936	0.936	(0.818)	660876	51.1705	51.2
	7 bis(-2-Chloroethyl)Ether	63	0.968	0.963	(0.846)	629506	50.5917	50.6
	8 2-Chlorophenol	128	0.984	0.979	(0.860)	536145	51.3037	51.3
	9 1,3-Dichlorobenzene	146	1.091	1.091	(0.953)	624459	51.2560	51.3
*	10 1,4-Dichlorobenzene-d4	152	1.140	1.139	(1.000)	247620	40.0000	
	11 1,4-Dichlorobenzene +	146	1.156	1.150	(1.009)	623884	51.5129	51.5
	12 Benzyl alcohol	108	1.284	1.278	(1.121)	431170	50.1364	50.1
	13 1,2-Dichlorobenzene	146	1.268	1.268	(1.107)	592830	50.9901	51.0

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	15	2-Methylphenol	108	1.396	1.396	(1.220)	605077	50.6641	50.7
	14	Bis(2-chloroisopropyl)ether	45	1.386	1.385	(1.210)	937239	53.7577	53.8
	17	3- & 4-Methylphenol	108	1.514	1.508	(1.322)	613305	52.9592	53.0
	16	N-Nitroso-di-n-propylamine++	70	1.482	1.482	(1.294)	486699	46.2376	46.2
	18	Hexachloroethane	117	1.503	1.503	(1.313)	234733	51.8864	51.9
$	19	Nitrobenzene-d5	82	1.557	1.557	(0.772)	684801	51.9856	52.0
	20	Nitrobenzene	77	1.573	1.567	(0.780)	709942	52.6652	52.7
	21	Isophorone	82	1.744	1.738	(0.865)	1262245	52.4288	52.4
	22	2-Nitrophenol +	139	1.787	1.787	(0.886)	297983	50.7907	50.8
	23	2,4-Dimethyphenol	107	1.862	1.856	(0.923)	633208	53.5898	53.6
	24	bis(-2-Chloroethoxy)methane	93	1.910	1.904	(0.947)	708538	53.1408	53.1
	25	Benzoic Acid	122	1.985	1.931	(0.984)	235010	54.3298	54.3
	26	2,4-Dichlorophenol +	162	1.952	1.952	(0.968)	416712	53.0462	53.0
	27	1,2,4-Trichlorobenzene	180	1.990	1.990	(0.987)	459298	50.5563	50.6
*	28	Naphthalene-d8	136	2.017	2.011	(1.000)	982693	40.0000	
	29	Naphthalene	128	2.027	2.027	(1.005)	1458068	50.6208	50.6
	30	4-Chloroaniline	127	2.086	2.091	(1.034)	507535	51.4942	51.5
	31	Hexachlorobutadiene +	225	2.129	2.129	(1.056)	286431	49.0756	49.1
	32	4-Chloro-3-Methylphenol +	107	2.434	2.428	(1.207)	497944	54.1491	54.1
	33	2-Methylnaphthalene	142	2.466	2.460	(1.223)	1044621	50.5599	50.6
	145	1-Methylnapthalene	142	2.519	2.519	(1.249)	855947	51.0936	51.1
	34	Hexachlorocyclopentadiene ++	237	2.568	2.568	(0.832)	280707	47.3212	47.3
	35	2,4,6-Trichlorophenol +	196	2.659	2.658	(0.861)	273246	52.3143	52.3
	36	2,4,5-Trichlorphenol	196	2.685	2.680	(0.870)	278586	51.6192	51.6
$	37	2-Fluorobiphenyl	172	2.707	2.701	(0.877)	951421	51.2105	51.2
	38	2-Chloronaphthalene	162	2.755	2.755	(0.893)	789455	55.3386	55.3
	39	2-Nitroaniline	138	2.840	2.840	(0.920)	276530	54.7312	54.7
	40	Dimethylphthalate	163	2.969	2.969	(0.962)	793311	53.2745	53.3
	41	2,6-Dinitrotoluene	165	2.995	3.086	(0.971)	205773	55.1566	55.2
	42	Acenaphthylene	152	3.001	3.001	(0.972)	1170554	50.4730	50.5
	43	3-Nitroaniline	138	3.092	3.092	(1.002)	201159	53.3177	53.3
*	44	Acenaphthene-d10	164	3.086	3.086	(1.000)	522291	40.0000	
	45	Acenaphthene +	153	3.108	3.108	(1.007)	880096	52.1641	52.2
	46	2,4-Dinitrophenol ++	184	3.156	3.161	(1.023)	129097	51.4723	51.5
	49	4-Nitrophenol ++	109	3.242	3.247	(1.050)	107039	56.2728	56.3
	47	Dibenzofuran	168	3.215	3.215	(1.042)	1188288	53.1831	53.2
	48	2,4 Dinitrotoluene	165	3.236	3.236	(1.049)	267620	54.0904	54.1
	50	Diethylphthalate	149	3.402	3.397	(1.102)	780591	55.3222	55.3
	52	4-Chlorophenyl-phenylether	204	3.439	3.439	(1.114)	415676	53.6402	53.6
	51	Fluorene	166	3.418	3.418	(1.107)	941857	53.3096	53.3
	53	4-Nitroaniline	138	3.461	3.086	(1.121)	174040	52.8893	52.9
	54	4,6-Dinitro-o-cresol	198	3.482	3.477	(0.876)	168117	48.9295	48.9
	55	N-nitrosodiphenylamine (1)+	169	3.514	3.514	(0.884)	599579	52.7406	52.7
	56	Azobenzene	77	3.530	3.530	(0.888)	1123835	54.2683	54.3
$	57	2,4,6-Tribromophenol	332	3.568	3.568	(1.156)	121424	52.0588	52.1
	58	4-Bromophenyl-phenylether	248	3.728	3.728	(0.938)	208906	49.8375	49.8
	59	Hexachlorobenzene	284	3.750	3.750	(0.943)	276004	49.8642	49.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	3.878	3.883	(0.976)	160994	47.5774	47.6
*	61 Phenanthrene-d10	188	3.974	3.974	(1.000)	770268	40.0000	
	62 Phenanthrene	178	3.990	3.985	(1.004)	1180977	50.6962	50.7
	63 Anthracene	178	4.017	4.017	(1.011)	1169046	51.0150	51.0
	64 Carbazole	167	4.135	4.135	(1.040)	925355	51.6113	51.6
	65 Di-n-butylphthalate	149	4.386	4.386	(1.104)	1103799	53.5406	53.5
	67 Fluoranthene +	202	4.696	4.696	(1.182)	1036837	51.6979	51.7
	68 Benzidine	184	4.809	4.809	(0.858)	72726	43.6040	43.6
	69 Pyrene	202	4.830	4.825	(0.862)	1063293	50.1097	50.1
$	70 Terphenyl-d14	244	4.958	4.958	(0.885)	713797	51.0346	51.0
	71 Butylbenzylphthalate	149	5.290	5.290	(0.944)	397350	51.9022	51.9
	73 3,3'-Dichlorobenzidine	252	5.611	5.616	(1.001)	235098	53.6339	53.6
	72 Benzo(a)anthracene	228	5.600	5.600	(0.999)	803215	50.3152	50.3
*	74 Chrysene-d12	240	5.606	5.600	(1.000)	526151	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.713	5.712	(1.019)	488609	49.8088	49.8
	75 Chrysene	228	5.622	5.622	(1.003)	867513	49.0058	49.0
	77 Di-n-octylphthalate +	149	6.189	6.183	(1.104)	696179	48.2957	48.3
	78 Benzo(b)fluoranthene	252	6.354	6.354	(0.960)	529915	48.0676	48.1
	79 Benzo(k)fluoranthene	252	6.376	6.376	(0.964)	930182	51.0861	51.1
	80 Benzo(a)pyrene +	252	6.574	6.574	(0.994)	683946	53.3720	53.4
*	81 Perylene-d12	264	6.617	6.616	(1.000)	434858	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.328	7.317	(1.307)	665438	44.5877	44.6(M)
	83 Dibenzo(a,h)anthracene	278	7.349	7.349	(1.111)	622605	46.9733	47.0
	84 Benzo(g,h,i)perylene	276	7.488	7.483	(1.132)	665048	47.2309	47.2
M	66 Total Methylphenol	108				1218382	103.623	104
	91 Acetophenone	105	1.460	1.460	(1.276)	769800	51.0609	51.1
	155 Benzaldehyde	77	0.835	0.840	(0.729)	161618	52.0646	52.1
	156 Caprolactam	113	2.338	2.295	(1.159)	151227	56.0257	56.0
	157 Biphenyl	154	2.760	2.755	(1.369)	1097494	51.6442	51.6
	158 Atrazine	200	3.862	3.856	(0.972)	172061	48.9269	48.9

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

167265

Data File: /var/chem/MSSV5.i/2060803.s.b/d0931.d

Date : 03-AUG-2006 11:50

Client ID: ICV050

Instrument: MSSV5.i

Sample Info: 1600*4-57-18

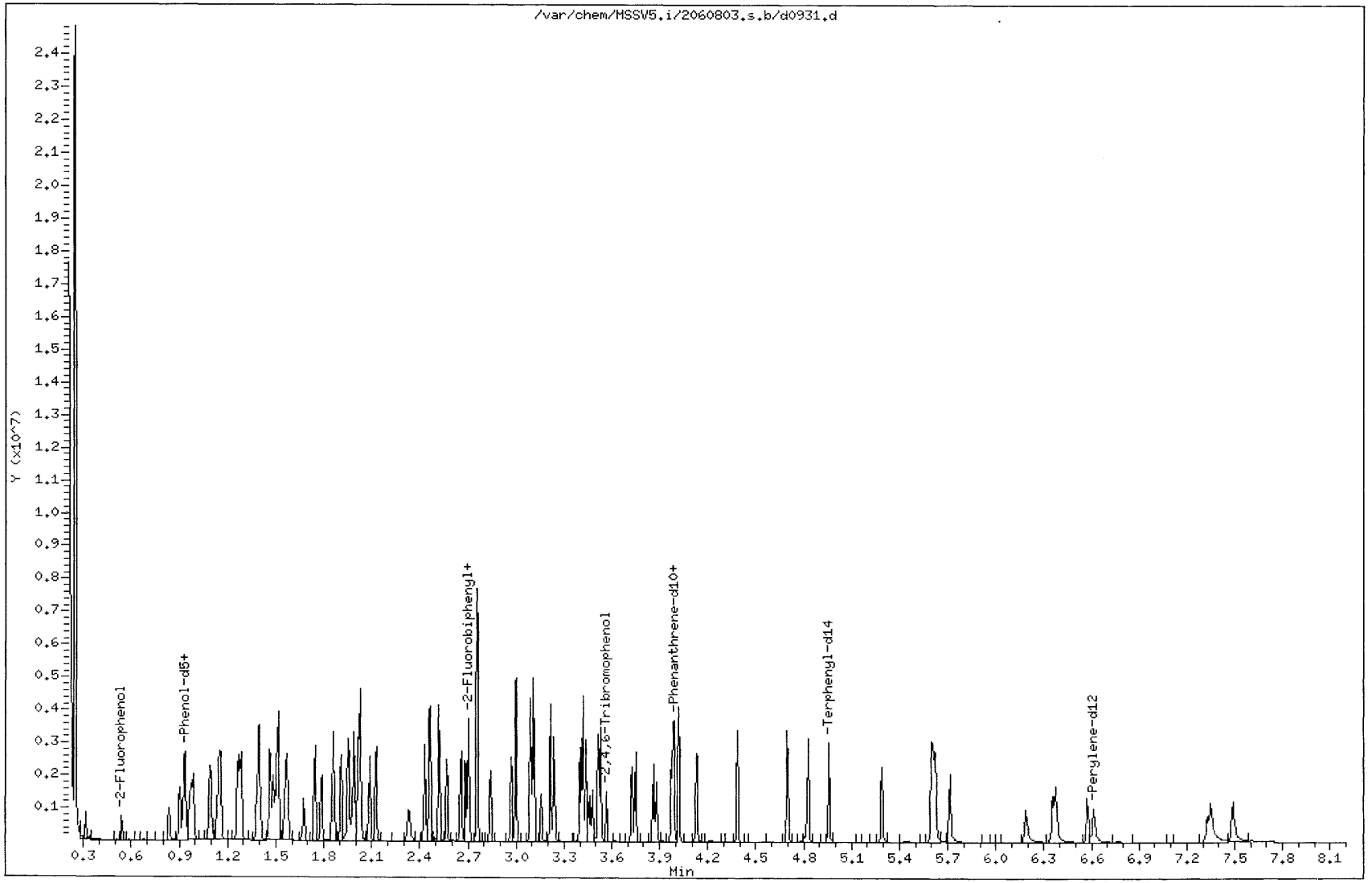
Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

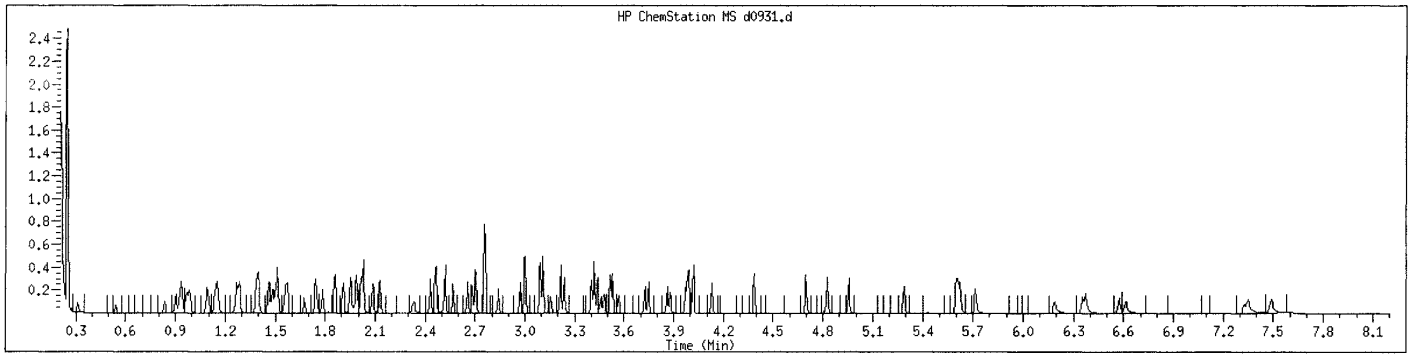
Column diameter: 0.25

000805



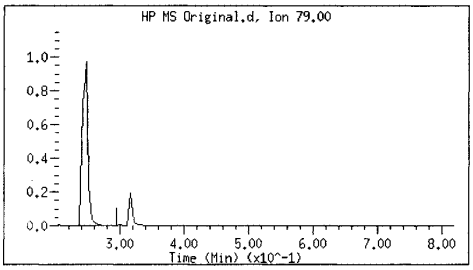
MANUAL INTEGRATION GRAPHIC REPORT

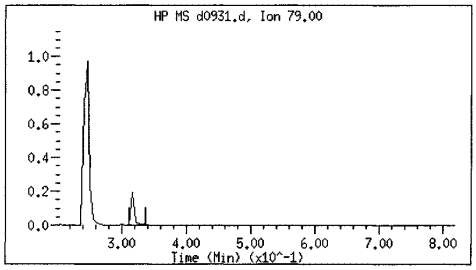
Lab ID : 1600 SampleType : LCS
Injection Date: 03-AUG-2006 11:50 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1600*4-57-18
Misc Info : ICV050*MSSV~3862~*
Method : /var/chem/MSSV5.i/2060803.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: ICV



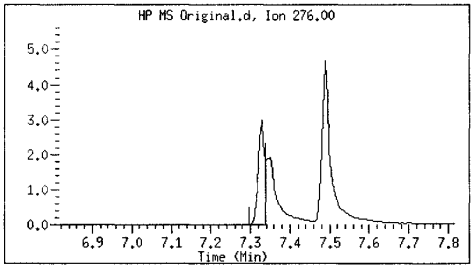
Original Final

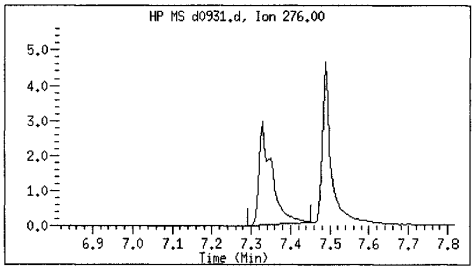
2 Pyridine CAS#: 110-86-1





82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5





000806

167267

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 05-AUG-2006 11:15
Lab File ID: d1012.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
2 Pyridine	0.37236	0.52349	0.52349	0.050	40.58673	30.00000	Averaged	<-
1 n-Nitrosodimethylamine	0.23720	0.26007	0.26007	0.050	9.64362	30.00000	Averaged	
$ 3 2-Fluorophenol	0.36706	0.33737	0.33737	0.050	-8.08864	30.00000	Averaged	
$ 4 Phenol-d5	1.71273	1.56928	1.56928	0.050	-8.37551	30.00000	Averaged	
5 Aniline	1.71943	1.43637	1.43637	0.050	-16.46229	30.00000	Averaged	
6 Phenol +	2.08629	2.02158	2.02158	0.050	-3.10194	20.00000	Averaged	
7 bis(-2-Chloroethyl)Ether	2.00999	1.97981	1.97981	0.050	-1.50162	30.00000	Averaged	
8 2-Chlorophenol	1.68814	1.60578	1.60578	0.050	-4.87859	30.00000	Averaged	
9 1,3-Dichlorobenzene	1.96804	1.89126	1.89126	0.050	-3.90096	30.00000	Averaged	
11 1,4-Dichlorobenzene +	1.95642	1.89574	1.89574	0.050	-3.10135	20.00000	Averaged	
12 Benzyl alcohol	1.38921	1.32774	1.32774	0.050	-4.42538	30.00000	Averaged	
13 1,2-Dichlorobenzene	1.87810	1.81437	1.81437	0.050	-3.39326	30.00000	Averaged	
15 2-Methylphenol	1.92923	1.86863	1.86863	0.050	-3.14151	30.00000	Averaged	
14 Bis(2-chloroisopropyl)ether	2.81633	2.98423	2.98423	0.050	5.96161	30.00000	Averaged	
17 3- & 4-Methylphenol	1.87072	1.92631	1.92631	0.050	2.97119	30.00000	Averaged	
16 N-Nitroso-di-n-propylamine+	43.33277	50.00000	1.49592	0.050	-13.33446	30.00000	Quadratic	
18 Hexachloroethane	0.73079	0.73100	0.73100	0.050	0.02851	30.00000	Averaged	
$ 19 Nitrobenzene-d5	0.53620	0.53413	0.53413	0.050	-0.38477	30.00000	Averaged	
20 Nitrobenzene	0.54871	0.54677	0.54677	0.050	-0.35397	30.00000	Averaged	
21 Isophorone	0.97998	0.98860	0.98860	0.050	0.88025	30.00000	Averaged	
22 2-Nitrophenol +	0.23881	0.22938	0.22938	0.050	-3.94925	20.00000	Averaged	
23 2,4-Dimethyphenol	0.48096	0.48341	0.48341	0.050	0.51028	30.00000	Averaged	
24 bis(-2-Chloroethoxy)methane	0.54272	0.54117	0.54117	0.050	-0.28628	30.00000	Averaged	
25 Benzoic Acid	0.17607	0.16041	0.16041	0.050	-8.89737	30.00000	Averaged	
26 2,4-Dichlorophenol +	0.31976	0.32285	0.32285	0.050	0.96633	20.00000	Averaged	
27 1,2,4-Trichlorobenzene	0.36980	0.34576	0.34576	0.050	-6.50055	30.00000	Averaged	
29 Naphthalene	1.17244	1.12786	1.12786	0.050	-3.80252	30.00000	Averaged	
30 4-Chloroaniline	45.89546	50.00000	0.37294	0.050	-8.20908	30.00000	Quadratic	
31 Hexachlorobutadiene +	0.23757	0.21444	0.21444	0.050	-9.73835	20.00000	Averaged	
32 4-Chloro-3-Methylphenol +	0.37431	0.38702	0.38702	0.050	3.39582	20.00000	Averaged	
33 2-Methylnaphthalene	0.84100	0.81265	0.81265	0.050	-3.37054	30.00000	Averaged	
145 1-Methylnapthalene	0.68190	0.65528	0.65528	0.050	-3.90489	30.00000	Averaged	
34 Hexachlorocyclopentadiene +	0.45430	0.40431	0.40431	0.050	-11.00374	30.00000	Averaged	
35 2,4,6-Trichlorophenol +	0.40002	0.38637	0.38637	0.050	-3.41140	20.00000	Averaged	
36 2,4,5-Trichlorphenol	0.41333	0.39775	0.39775	0.050	-3.76810	30.00000	Averaged	
$ 37 2-Fluorobiphenyl	1.42286	1.34845	1.34845	0.050	-5.22945	30.00000	Averaged	

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GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 05-AUG-2006 11:15
Lab File ID: d1012.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2 Chloronaphthalene	1.09256	1.11016	1.11016	0.050	1.61099	30.00000	Averaged	
39 2-Nitroaniline	0.38695	0.39272	0.39272	0.050	1.49089	30.00000	Averaged	
40 Dimethylphthalate	1.14044	1.13146	1.13146	0.050	-0.78757	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.28572	0.29674	0.29674	0.050	3.85929	30.00000	Averaged	
42 Acenaphthylene	1.77615	1.64260	1.64260	0.050	-7.51877	30.00000	Averaged	
43 3-Nitroaniline	0.28895	0.28451	0.28451	0.050	-1.53657	30.00000	Averaged	
45 Acenaphthene +	1.29213	1.24608	1.24608	0.050	-3.56402	20.00000	Averaged	
46 2,4-Dinitrophenol ++	46.73611	50.00000	0.17797	0.050	-6.52778	30.00000	Linear	
49 4-Nitrophenol ++	0.14568	0.15495	0.15495	0.050	6.36216	30.00000	Averaged	
47 Dibenzofuran	1.71118	1.68058	1.68058	0.050	-1.78847	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.37892	0.39512	0.39512	0.050	4.27552	30.00000	Averaged	
50 Diethylphthalate	1.08062	1.11528	1.11528	0.050	3.20784	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.59349	0.57975	0.57975	0.050	-2.31455	30.00000	Averaged	
51 Fluorene	1.35309	1.35286	1.35286	0.050	-0.01686	30.00000	Averaged	
53 4-Nitroaniline	0.25202	0.25181	0.25181	0.050	-0.08315	30.00000	Averaged	
54 4,6-Dinitro-o-cresol	0.17843	0.16097	0.16097	0.050	-9.78536	30.00000	Averaged	
55 N-nitrosodiphenylamine (1)+	0.59036	0.57690	0.57690	0.050	-2.28056	20.00000	Averaged	
56 Azobenzene	1.07541	1.09465	1.09465	0.050	1.78940	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.17863	0.17133	0.17133	0.050	-4.08520	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.21768	0.20419	0.20419	0.050	-6.19761	30.00000	Averaged	
59 Hexachlorobenzene	0.28744	0.27088	0.27088	0.050	-5.75912	30.00000	Averaged	
60 Pentachlorophenol +	0.17572	0.15930	0.15930	0.050	-9.34573	20.00000	Averaged	
62 Phenanthrene	1.20972	1.14608	1.14608	0.050	-5.26084	30.00000	Averaged	
63 Anthracene	1.19001	1.14784	1.14784	0.050	-3.54393	30.00000	Averaged	
64 Carbazole	0.93107	0.92055	0.92055	0.050	-1.12961	30.00000	Averaged	
65 Di-n-butylphthalate	1.07059	1.13048	1.13048	0.050	5.59415	30.00000	Averaged	
67 Fluoranthene +	1.04149	1.04248	1.04248	0.050	0.09531	20.00000	Averaged	
68 Benzidine	0.12680	0.05177	0.05177	0.050	-59.16949	30.00000	Averaged	<-
69 Pyrene	1.61317	1.47855	1.47855	0.050	-8.34526	30.00000	Averaged	
$ 70 Terphenyl-d14	1.06331	1.00483	1.00483	0.050	-5.49995	30.00000	Averaged	
71 Butylbenzylphthalate	0.58202	0.58584	0.58584	0.050	0.65619	30.00000	Averaged	
73 3,3'-Dichlorobenzidine	0.33324	0.33885	0.33885	0.050	1.68185	30.00000	Averaged	
72 Benzo(a)anthracene	48.83991	50.00000	1.18402	0.050	-2.32019	30.00000	Linear	
76 bis(2-Ethylhexyl)phthalate	50.19288	50.00000	0.74869	0.050	0.38576	30.00000	Linear	
75 Chrysene	1.34579	1.21131	1.21131	0.050	-9.99299	30.00000	Averaged	
77 Di-n-octylphthalate +	1.09588	1.21110	1.21110	0.050	10.51448	20.00000	Averaged	

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 05-AUG-2006 11:15
Lab File ID: d1012.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 Benzo(b)fluoranthene	53.05771	50.00000	1.08740	0.050	6.11542	30.00000	Quadratic	
79 Benzo(k)fluoranthene	1.67486	1.64884	1.64884	0.050	-1.55328	30.00000	Averaged	
80 Benzo(a)pyrene +	1.17875	1.16035	1.16035	0.050	-1.56048	20.00000	Averaged	
82 Indeno(1,2,3-cd)pyrene	49.58862	50.00000	1.14171	0.050	-0.82275	30.00000	Quadratic	
83 Dibenzo(a,h)anthracene	49.66082	50.00000	1.21864	0.050	-0.67836	30.00000	Quadratic	
84 Benzo(g,h,i)perylene	51.81258	50.00000	1.35255	0.050	3.62517	30.00000	Quadratic	
M 66 Total Methylphenol	1.87607	1.89747	1.89747	0.050	1.14049	30.00000	Averaged	
91 Acetophenone	2.43536	2.37090	2.37090	0.050	-2.64716	30.00000	Averaged	
155 Benzaldehyde	27.24785	50.00000	0.39665	0.050	-45.50431	30.00000	Quadratic	<-
156 Caprolactam	0.10987	0.11827	0.11827	0.050	7.64707	30.00000	Averaged	
157 Biphenyl	45.05723	50.00000	0.79674	0.050	-9.88555	30.00000	Quadratic	
158 Atrazine	0.18262	0.15158	0.15158	0.050	-16.99738	30.00000	Averaged	
174 1,4-Dioxane	0.22034	0.21485	0.21485	0.050	-2.49183	30.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 6.00596
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

000809

167270

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2060805.s.b/d1011.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 05-AUG-2006 11:00
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1100*4-55-15*
Misc Info : DFTPP*MSSV~3868~*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/dftpp_05.m
Meth Date : 27-Jul-2006 08:02 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		
4.204	4.379	-0.175	198	244512		100.00	100.00	100.00
4.204	4.379	-0.175	51	106237		30.00-	60.00	43.45
4.204	4.379	-0.175	68	1501		0.00-	2.00	1.38
4.204	4.379	-0.175	69	108885		0.00-	0.00	44.53
4.204	4.379	-0.175	70	272		0.00-	2.00	0.25
4.204	4.379	-0.175	127	111642		40.00-	60.00	45.66
4.204	4.379	-0.175	197	847		0.00-	1.00	0.35
4.204	4.379	-0.175	199	16326		5.00-	9.00	6.68
4.204	4.379	-0.175	275	55892		10.00-	30.00	22.86
4.204	4.379	-0.175	365	5649		1.00-	0.00	2.31
4.204	4.379	-0.175	441	28868		0.01-	99.99	73.49
4.204	4.379	-0.175	442	197698		40.00-	100.00	80.85

000810

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.204	4.379	-0.175	443	39282			17.00- 23.00	19.87

Data File: /var/chem/MSSV5.i/2060805.s.b/d1011.d

Page 1

Date : 05-AUG-2006 11:00

Client ID: DFTPP

Instrument: MSSV5.i

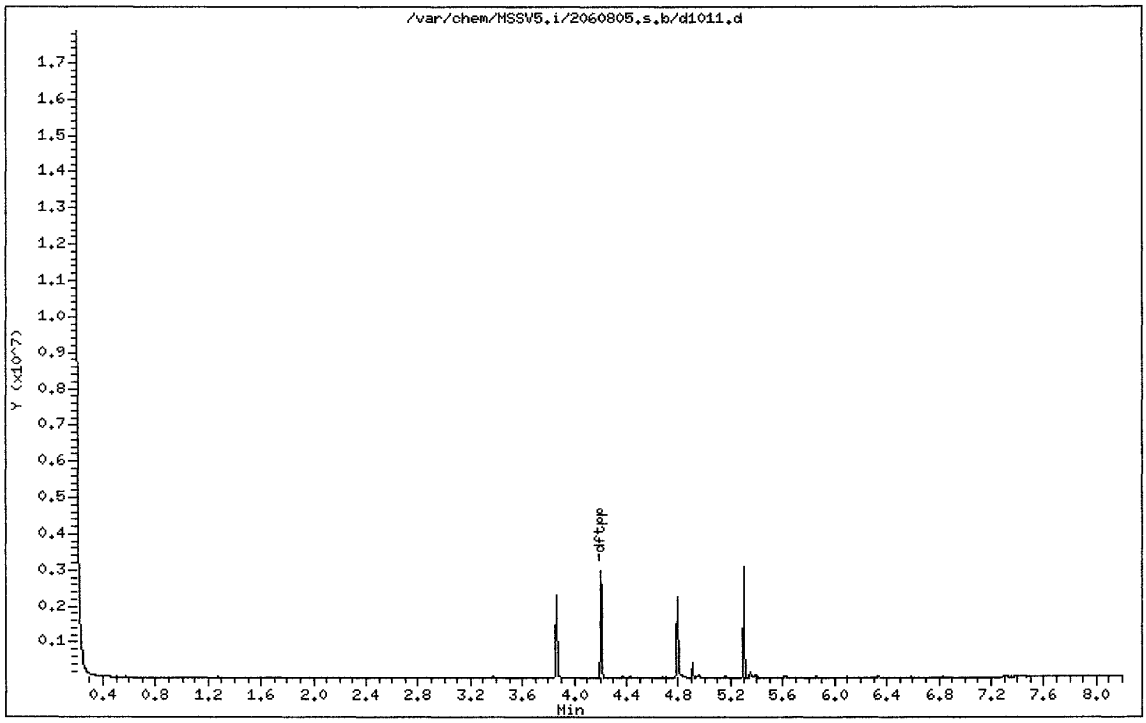
Sample Info: 1100x4-55-15x

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00



000812

167273

Data File: /var/chem/MSSV5.i/2060805.s.b/d1011.d

Date : 05-AUG-2006 11:00

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

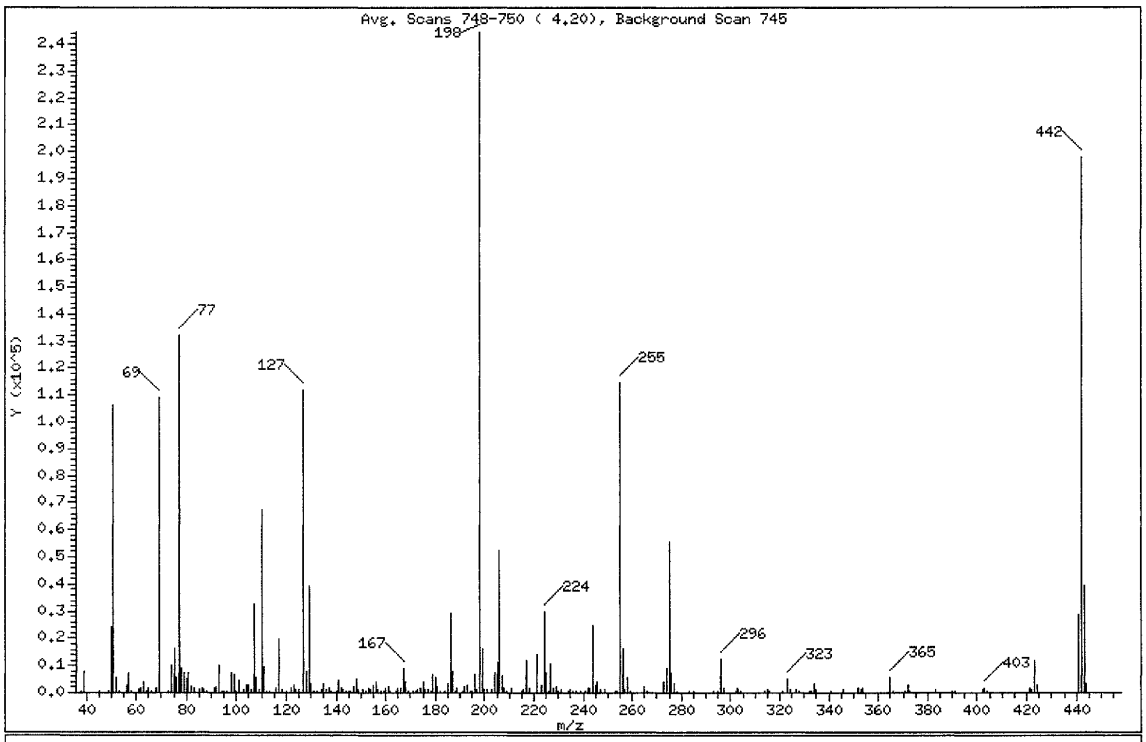
Volume Injected (uL): 1.0

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	43.45
68	Less than 2.00% of mass 69	0.61 (1.38)
69	Mass 69 relative abundance	44.53
70	Less than 2.00% of mass 69	0.11 (0.25)
127	40.00 - 60.00% of mass 198	45.66
197	Less than 1.00% of mass 198	0.35
199	5.00 - 9.00% of mass 198	6.68
275	10.00 - 30.00% of mass 198	22.86
365	Greater than 1.00% of mass 198	2.31
441	Present, but less than mass 443	11.81
442	40.00 - 100.00% of mass 198	80.85
443	17.00 - 23.00% of mass 442	16.07 (19.87)

Data File: /var/chem/MSSV5.i/2060805.s.b/d1011.d

Date : 05-AUG-2006 11:00

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: d1011.d
Spectrum: Avg. Scans 748-750 (4.20), Background Scan 745
Location of Maximum: 198.00
Number of points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	117	128.00	8032	207.00	6457	295.00	284
38.00	687	129.00	39352	208.00	1668	296.00	12117
39.00	7879	130.00	3220	209.00	388	297.00	1830
41.00	49	131.00	738	210.00	209	298.00	177
45.00	316	132.00	561	211.00	1870	301.00	61
49.00	726	134.00	992	212.00	61	302.00	323
50.00	24440	135.00	3183	213.00	76	303.00	1614
51.00	106232	136.00	1303	215.00	562	304.00	445
52.00	5507	137.00	1443	216.00	1043	308.00	165
53.00	344	138.00	420	217.00	11828	309.00	153
55.00	242	139.00	196	218.00	1708	310.00	163
56.00	2877	140.00	284	219.00	211	313.00	128
57.00	7356	141.00	4423	220.00	177	314.00	676
58.00	360	142.00	1797	221.00	13805	315.00	1386
59.00	276	143.00	1018	223.00	2832	316.00	829
61.00	1291	144.00	330	224.00	29584	317.00	221
62.00	1568	145.00	485	225.00	7147	321.00	630
63.00	4161	146.00	758	226.00	743	322.00	223
64.00	664	147.00	2386	227.00	10634	323.00	4984
65.00	1902	148.00	4981	228.00	1496	324.00	1035
66.00	324	149.00	1341	229.00	2509	325.00	88
67.00	133	150.00	258	230.00	424	326.00	108
68.00	1501	151.00	916	231.00	968	327.00	1021
69.00	108880	152.00	283	233.00	229	328.00	400
70.00	272	153.00	1542	234.00	608	329.00	92
73.00	713	154.00	1301	235.00	937	332.00	374
74.00	9928	155.00	2624	236.00	431	333.00	482
75.00	16274	156.00	4096	237.00	751	334.00	3293
76.00	5738	157.00	1006	238.00	144	335.00	985
77.00	132288	158.00	836	239.00	332	336.00	99
78.00	8715	159.00	651	240.00	275	340.00	76
79.00	7043	160.00	1413	241.00	519	341.00	694
80.00	5269	161.00	2214	242.00	1534	342.00	164
81.00	7508	162.00	695	243.00	1586	346.00	1016
82.00	1991	163.00	68	244.00	24696	347.00	215

167275

Data File: /var/chem/MSSV5.i/2060805.s.b/d1011.d

Date : 05-AUG-2006 11:00

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: d1011.d
Spectrum: Avg. Scans 748-750 (4.20), Background Scan 745
Location of Maximum: 198.00
Number of points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	1766	164.00	342	245.00	3015	352.00	1669
84.00	63	165.00	1715	246.00	3893	353.00	1009
85.00	1261	166.00	1510	247.00	978	354.00	1716
86.00	1739	167.00	8972	248.00	191	355.00	263
87.00	958	168.00	3925	249.00	894	359.00	97
88.00	483	169.00	801	250.00	193	361.00	87
89.00	217	170.00	72	251.00	206	365.00	5649
91.00	1678	171.00	446	253.00	467	366.00	703
92.00	1992	172.00	701	254.00	540	367.00	88
93.00	10132	173.00	1053	255.00	114808	369.00	57
94.00	700	174.00	1949	256.00	16384	370.00	111
95.00	452	175.00	3745	257.00	1317	371.00	411
96.00	622	176.00	1321	258.00	5857	372.00	2939
98.00	7334	177.00	1399	259.00	842	373.00	653
99.00	6476	178.00	789	260.00	163	374.00	69
100.00	668	179.00	6584	261.00	274	377.00	126
101.00	4528	180.00	5464	263.00	62	383.00	852
102.00	158	181.00	2476	264.00	173	384.00	270
103.00	1285	182.00	373	265.00	2080	385.00	60
104.00	2716	183.00	146	266.00	518	390.00	375
105.00	2710	184.00	698	267.00	59	391.00	284
106.00	900	185.00	3398	268.00	56	392.00	229
107.00	32440	186.00	28968	270.00	142	393.00	65
108.00	5675	187.00	8087	271.00	261	401.00	215
109.00	1097	188.00	810	272.00	273	402.00	1144
110.00	67376	189.00	1488	273.00	3756	403.00	1870
111.00	9571	190.00	209	274.00	8763	404.00	637
112.00	825	191.00	721	275.00	55888	405.00	59
113.00	387	192.00	2359	276.00	7147	410.00	53
114.00	131	193.00	2560	277.00	3631	415.00	54
115.00	135	194.00	575	278.00	548	421.00	1597
116.00	1689	195.00	357	279.00	247	422.00	1235
117.00	19832	196.00	6869	282.00	163	423.00	11982
118.00	1247	197.00	847	283.00	706	424.00	2555
119.00	128	198.00	244480	284.00	179	425.00	211

Data File: /var/chem/MSSV5.i/2060805.s.b/d1011.d

Date : 05-AUG-2006 11:00

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: d1011.d
Spectrum: Avg. Scans 748-750 (4.20), Background Scan 745
Location of Maximum: 198.00
Number of points: 307

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	453	199.00	16326	285.00	656	441.00	28864
122.00	1621	200.00	1291	286.00	135	442.00	197696
123.00	2790	201.00	1324	289.00	76	443.00	39280
124.00	1141	203.00	1132	290.00	55	444.00	3122
125.00	1280	204.00	7098	292.00	231	445.00	168
126.00	239	205.00	11426	293.00	674	457.00	55
127.00	111640	206.00	52136	294.00	78		

167277

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1012.d
Lab Smp Id: 1400 Client Smp ID: STD050
Inj Date : 05-AUG-2006 11:15
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1400*4-57-9*
Misc Info : STD050*MSSV~3868~*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 18:40 rrr Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2	Pyridine	79	0.310	0.310	(0.276)	217898	50.0000	70.3
	1	n-Nitrosodimethylamine	42	0.305	0.305	(0.271)	108253	50.0000	54.8
$	3	2-Fluorophenol	112	0.540	0.540	(0.481)	140428	50.0000	46.0
$	4	Phenol-d5	99	0.920	0.920	(0.819)	653202	50.0000	45.8
	5	Aniline	93	0.888	0.888	(0.790)	597880	50.0000	41.8
	6	Phenol +	94	0.931	0.931	(0.829)	841468	50.0000	48.4
	7	bis(-2-Chloroethyl)Ether	63	0.952	0.952	(0.848)	824084	50.0000	49.2
	8	2-Chlorophenol	128	0.968	0.968	(0.862)	668396	50.0000	47.6
	9	1,3-Dichlorobenzene	146	1.075	1.075	(0.957)	787227	50.0000	48.0
*	10	1,4-Dichlorobenzene-d4	152	1.123	1.123	(1.000)	332995	40.0000	
	11	1,4-Dichlorobenzene +	146	1.134	1.134	(1.010)	789092	50.0000	48.4
	12	Benzyl alcohol	108	1.273	1.273	(1.133)	552662	50.0000	47.8
	13	1,2-Dichlorobenzene	146	1.246	1.246	(1.110)	755220	50.0000	48.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.385	1.385	(1.233)	777804	50.0000	48.4
	14 Bis(2-chloroisopropyl)ether	45	1.369	1.369	(1.219)	1242167	50.0000	53.0
	17 3- & 4-Methylphenol	108	1.503	1.503	(1.338)	801813	50.0000	51.5
	16 N-Nitroso-di-n-propylamine++	70	1.471	1.471	(1.310)	622669	50.0000	43.3
	18 Hexachloroethane	117	1.487	1.487	(1.324)	304275	50.0000	50.0
$	19 Nitrobenzene-d5	82	1.546	1.546	(0.773)	880629	50.0000	49.8
	20 Nitrobenzene	77	1.556	1.556	(0.778)	901457	50.0000	49.8
	21 Isophorone	82	1.733	1.733	(0.866)	1629917	50.0000	50.4
	22 2-Nitrophenol +	139	1.770	1.770	(0.885)	378176	50.0000	48.0
	23 2,4-Dimethyphenol	107	1.851	1.851	(0.925)	797004	50.0000	50.3
	24 bis(-2-Chloroethoxy)methane	93	1.893	1.893	(0.947)	892227	50.0000	49.9
	25 Benzoic Acid	122	1.979	1.979	(0.989)	264463	50.0000	45.6
	26 2,4-Dichlorophenol +	162	1.942	1.942	(0.971)	532285	50.0000	50.5
	27 1,2,4-Trichlorobenzene	180	1.974	1.974	(0.987)	570052	50.0000	46.7
*	28 Naphthalene-d8	136	2.000	2.000	(1.000)	1318966	40.0000	
	29 Naphthalene	128	2.016	2.016	(1.008)	1859508	50.0000	48.1
	30 4-Chloroaniline	127	2.075	2.075	(1.037)	614875	50.0000	45.9
	31 Hexachlorobutadiene +	225	2.113	2.113	(1.056)	353544	50.0000	45.1
	32 4-Chloro-3-Methylphenol +	107	2.423	2.423	(1.211)	638084	50.0000	51.7
	33 2-Methylnaphthalene	142	2.450	2.450	(1.225)	1339823	50.0000	48.3
	145 1-Methylnapthalene	142	2.509	2.509	(1.254)	1080358	50.0000	48.0
	34 Hexachlorocyclopentadiene ++	237	2.557	2.557	(0.831)	359000	50.0000	44.5
	35 2,4,6-Trichlorophenol +	196	2.648	2.648	(0.861)	343071	50.0000	48.3
	36 2,4,5-Trichlorphenol	196	2.674	2.674	(0.870)	353177	50.0000	48.1
$	37 2-Fluorobiphenyl	172	2.690	2.690	(0.875)	1197325	50.0000	47.4
	38 2-Chloronaphthalene	162	2.744	2.744	(0.892)	985746	50.0000	50.8
	39 2-Nitroaniline	138	2.829	2.829	(0.920)	348706	50.0000	50.7
	40 Dimethylphthalate	163	2.958	2.958	(0.962)	1004651	50.0000	49.6
	41 2,6-Dinitrotoluene	165	2.985	2.985	(0.970)	263488	50.0000	51.9
	42 Acenaphthylene	152	2.985	2.985	(0.970)	1458514	50.0000	46.2
	43 3-Nitroaniline	138	3.081	3.081	(1.002)	252620	50.0000	49.2
*	44 Acenaphthene-d10	164	3.076	3.076	(1.000)	710342	40.0000	
	45 Acenaphthene +	153	3.097	3.097	(1.007)	1106425	50.0000	48.2
	46 2,4-Dinitrophenol ++	184	3.145	3.145	(1.023)	158025	50.0000	46.7
	49 4-Nitrophenol ++	109	3.231	3.231	(1.050)	137580	50.0000	53.2
	47 Dibenzofuran	168	3.199	3.199	(1.040)	1492229	50.0000	49.1
	48 2,4-Dinitrotoluene	165	3.225	3.225	(1.049)	350837	50.0000	52.1
	50 Diethylphthalate	149	3.391	3.391	(1.103)	990288	50.0000	51.6
	52 4-Chlorophenyl-phenylether	204	3.423	3.423	(1.113)	514777	50.0000	48.8
	51 Fluorene	166	3.407	3.407	(1.108)	1201245	50.0000	50.0
	53 4-Nitroaniline	138	3.450	3.450	(1.122)	223586	50.0000	50.0
	54 4,6-Dinitro-o-cresol	198	3.466	3.466	(0.876)	210520	50.0000	45.1
	55 N-nitrosodiphenylamine (1)+	169	3.503	3.503	(0.885)	754498	50.0000	48.9
	56 Azobenzene	77	3.519	3.519	(0.889)	1431642	50.0000	50.9
$	57 2,4,6-Tribromophenol	332	3.557	3.557	(1.157)	152132	50.0000	48.0
	58 4-Bromophenyl-phenylether	248	3.712	3.712	(0.938)	267045	50.0000	46.9
	59 Hexachlorobenzene	284	3.733	3.733	(0.943)	354276	50.0000	47.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	3.867	3.867	(0.977)	208340	50.0000	45.3
*	61 Phenanthrene-d10	188	3.958	3.958	(1.000)	1046279	40.0000	
	62 Phenanthrene	178	3.974	3.974	(1.004)	1498894	50.0000	47.4
	63 Anthracene	178	4.006	4.006	(1.012)	1501201	50.0000	48.2
	64 Carbazole	167	4.119	4.119	(1.041)	1203941	50.0000	49.4
	65 Di-n-butylphthalate	149	4.375	4.375	(1.105)	1478502	50.0000	52.8
	67 Fluoranthene +	202	4.685	4.685	(1.184)	1363412	50.0000	50.0
	68 Benzidine	184	4.798	4.798	(0.858)	48169	50.0000	20.4(M)
	69 Pyrene	202	4.814	4.814	(0.861)	1375645	50.0000	45.8
$	70 Terphenyl-d14	244	4.942	4.942	(0.884)	934893	50.0000	47.3
	71 Butylbenzylphthalate	149	5.274	5.274	(0.944)	545064	50.0000	50.3
	73 3,3'-Dichlorobenzidine	252	5.595	5.595	(1.001)	315263	50.0000	50.8
	72 Benzo(a)anthracene	228	5.584	5.584	(0.999)	1101610	50.0000	48.8
*	74 Chrysene-d12	240	5.589	5.589	(1.000)	744321	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.696	5.696	(1.019)	696579	50.0000	50.2
	75 Chrysene	228	5.605	5.605	(1.003)	1127002	50.0000	45.0
	77 Di-n-octylphthalate +	149	6.167	6.167	(1.103)	1126813	50.0000	55.3
	78 Benzo(b)fluoranthene	252	6.338	6.338	(0.961)	844254	50.0000	53.1
	79 Benzo(k)fluoranthene	252	6.354	6.354	(0.964)	1280151	50.0000	49.2
	80 Benzo(a)pyrene +	252	6.557	6.557	(0.994)	900891	50.0000	49.2
*	81 Perylene-d12	264	6.595	6.595	(1.000)	621115	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.306	7.306	(1.307)	1062244	50.0000	49.6
	83 Dibenzo(a,h)anthracene	278	7.333	7.333	(1.112)	946141	50.0000	49.7
	84 Benzo(g,h,i)perylene	276	7.472	7.472	(1.133)	1050113	50.0000	51.8
M	66 Total Methylphenol	108				1579617	100.000	99.9
	91 Acetophenone	105	1.450	1.450	(1.290)	986871	50.0000	48.7
	155 Benzaldehyde	77	0.824	0.824	(0.733)	165103	50.0000	27.2
	156 Caprolactam	113	2.332	2.332	(1.166)	194998	50.0000	53.8
	157 Biphenyl	154	2.744	2.744	(1.372)	1313591	50.0000	45.1
	158 Atrazine	200	3.851	3.851	(0.973)	198245	50.0000	41.5
	174 1,4-Dioxane	88	0.273	0.273	(0.243)	89430	50.0000	48.8

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060805.s.b/d1012.d

Page 1

Date : 05-AUG-2006 11:15

Client ID: STD050

Instrument: MSSV5.i

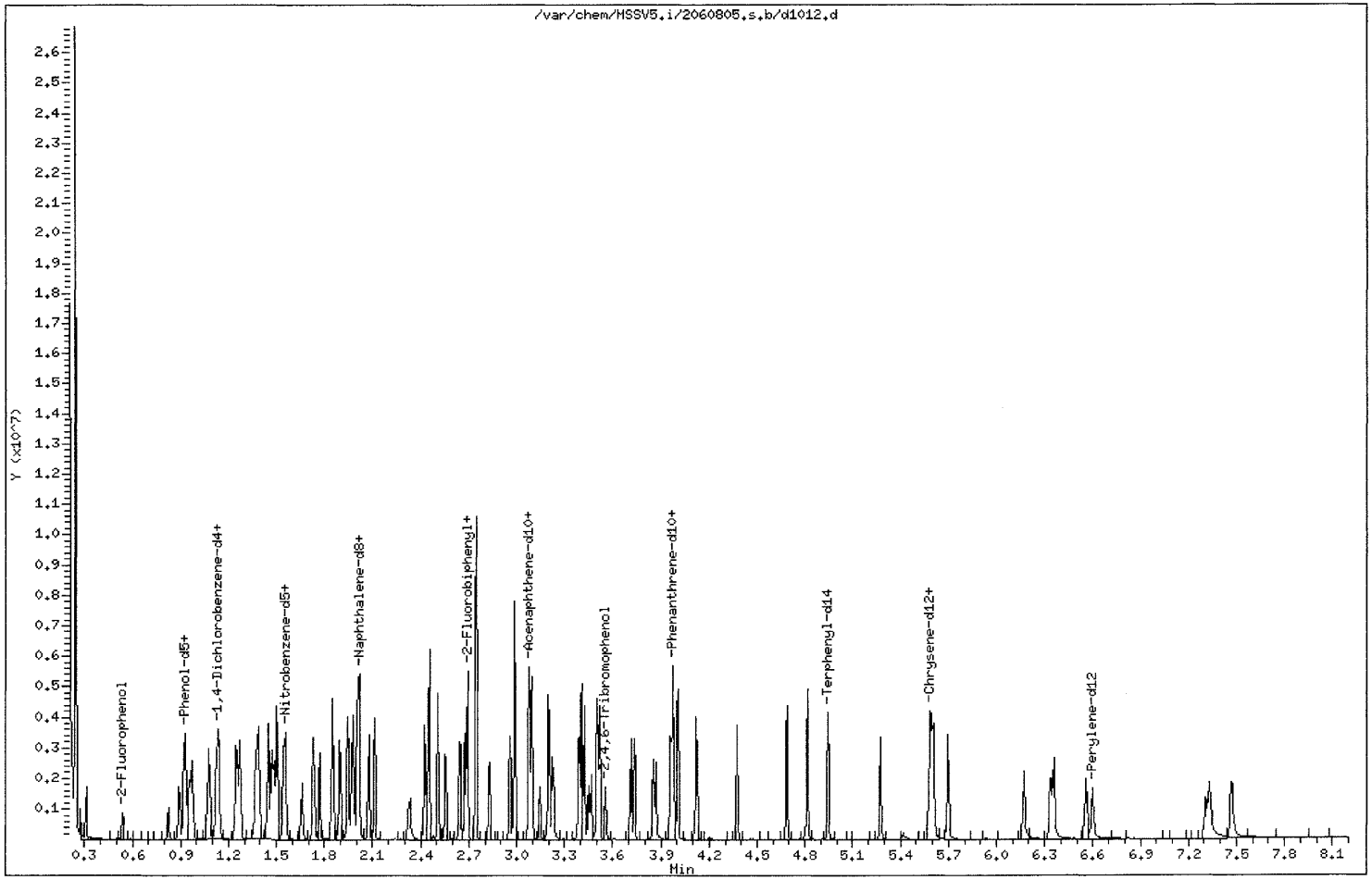
Sample Info: 1400*4-57-9*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

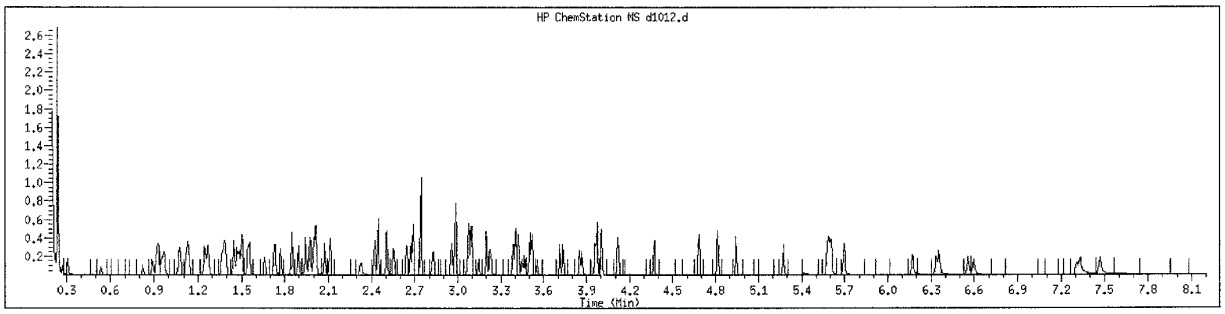
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060805.s.b/d1012.d Page: 1
Report Date: 08/06/2006 18:40

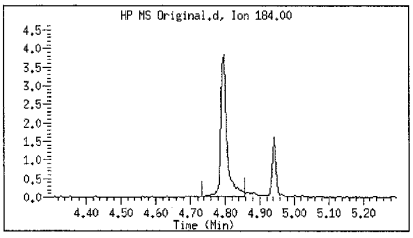
MANUAL INTEGRATION GRAPHIC REPORT

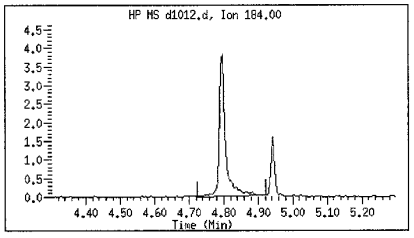
Lab ID : 1400 SampleType : CCALIB_5
Injection Date: 05-AUG-2006 11:15 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1400*4-57-9*
Misc Info : STD050*MSSV~3868~*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



Original Final

68 Benzidine CAS#: 92-87-5





000821

167282

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 06-AUG-2006 13:38
Lab File ID: d1062.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
2 Pyridine	0.37236	0.33393	0.33393	0.050	-10.31935	30.00000	Averaged	
1 n-Nitrosodimethylamine	0.23720	0.31394	0.31394	0.050	32.35613	30.00000	Averaged	<-
$ 3 2-Fluorophenol	0.36706	0.34480	0.34480	0.050	-6.06564	30.00000	Averaged	
$ 4 Phenol-d5	1.71273	1.38746	1.38746	0.050	-18.99137	30.00000	Averaged	
5 Aniline	1.71943	1.27255	1.27255	0.050	-25.98968	30.00000	Averaged	
6 Phenol +	2.08629	1.77341	1.77341	0.050	-14.99704	20.00000	Averaged	
7 bis(-2-Chloroethyl)Ether	2.00999	1.70300	1.70300	0.050	-15.27350	30.00000	Averaged	
8 2-Chlorophenol	1.68814	1.43222	1.43222	0.050	-15.15951	30.00000	Averaged	
9 1,3-Dichlorobenzene	1.96804	1.86121	1.86121	0.050	-5.42802	30.00000	Averaged	
11 1,4-Dichlorobenzene +	1.95642	1.88632	1.88632	0.050	-3.58298	20.00000	Averaged	
12 Benzyl alcohol	1.38921	1.30085	1.30085	0.050	-6.36072	30.00000	Averaged	
13 1,2-Dichlorobenzene	1.87810	1.80277	1.80277	0.050	-4.01072	30.00000	Averaged	
15 2-Methylphenol	1.92923	1.81218	1.81218	0.050	-6.06718	30.00000	Averaged	
14 Bis(2-chloroisopropyl)ether	2.81633	2.78850	2.78850	0.050	-0.98810	30.00000	Averaged	
17 3- & 4-Methylphenol	1.87072	1.84689	1.84689	0.050	-1.27429	30.00000	Averaged	
16 N-Nitroso-di-n-propylamine+	39.58966	50.00000	1.39384	0.050	-20.82068	30.00000	Quadratic	
18 Hexachloroethane	0.73079	0.71131	0.71131	0.050	-2.66621	30.00000	Averaged	
$ 19 Nitrobenzene-d5	0.53620	0.52636	0.52636	0.050	-1.83483	30.00000	Averaged	
20 Nitrobenzene	0.54871	0.53905	0.53905	0.050	-1.75927	30.00000	Averaged	
21 Isophorone	0.97998	0.91823	0.91823	0.050	-6.30065	30.00000	Averaged	
22 2-Nitrophenol +	0.23881	0.22710	0.22710	0.050	-4.90353	20.00000	Averaged	
23 2,4-Dimethyphenol	0.48096	0.47263	0.47263	0.050	-1.73202	30.00000	Averaged	
24 bis(-2-Chloroethoxy)methane	0.54272	0.51855	0.51855	0.050	-4.45351	30.00000	Averaged	
25 Benzoic Acid	0.17607	0.18673	0.18673	0.050	6.05327	30.00000	Averaged	
26 2,4-Dichlorophenol +	0.31976	0.31836	0.31836	0.050	-0.43814	20.00000	Averaged	
27 1,2,4-Trichlorobenzene	0.36980	0.34648	0.34648	0.050	-6.30477	30.00000	Averaged	
29 Naphthalene	1.17244	1.11253	1.11253	0.050	-5.10952	30.00000	Averaged	
30 4-Chloroaniline	44.98205	50.00000	0.36628	0.050	-10.03590	30.00000	Quadratic	
31 Hexachlorobutadiene +	0.23757	0.22074	0.22074	0.050	-7.08506	20.00000	Averaged	
32 4-Chloro-3-Methylphenol +	0.37431	0.36274	0.36274	0.050	-3.09030	20.00000	Averaged	
33 2-Methylnaphthalene	0.84100	0.78086	0.78086	0.050	-7.15090	30.00000	Averaged	
145 1-Methylnapthalene	0.68190	0.63529	0.63529	0.050	-6.83557	30.00000	Averaged	
34 Hexachlorocyclopentadiene +	0.45430	0.43030	0.43030	0.050	-5.28259	30.00000	Averaged	
35 2,4,6-Trichlorophenol +	0.40002	0.40301	0.40301	0.050	0.74866	20.00000	Averaged	
36 2,4,5-Trichlorphenol	0.41333	0.41497	0.41497	0.050	0.39704	30.00000	Averaged	
$ 37 2-Fluorobiphenyl	1.42286	1.37665	1.37665	0.050	-3.24751	30.00000	Averaged	

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167283

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 06-AUG-2006 13:38
Lab File ID: d1062.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Chloronaphthalene	1.09256	1.12312	1.12312	0.050	2.79677	30.00000	Averaged	
39 2-Nitroaniline	0.38695	0.37827	0.37827	0.050	-2.24411	30.00000	Averaged	
40 Dimethylphthalate	1.14044	1.04339	1.04339	0.050	-8.50944	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.28572	0.27980	0.27980	0.050	-2.07084	30.00000	Averaged	
42 Acenaphthylene	1.77615	1.63350	1.63350	0.050	-8.03132	30.00000	Averaged	
43 3-Nitroaniline	0.28895	0.27563	0.27563	0.050	-4.60953	30.00000	Averaged	
45 Acenaphthene +	1.29213	1.23304	1.23304	0.050	-4.57319	20.00000	Averaged	
46 2,4-Dinitrophenol ++	47.73311	50.00000	0.18213	0.050	-4.53379	30.00000	Linear	
49 4-Nitrophenol ++	0.14568	0.15510	0.15510	0.050	6.46724	30.00000	Averaged	
47 Dibenzofuran	1.71118	1.66975	1.66975	0.050	-2.42110	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.37892	0.36394	0.36394	0.050	-3.95291	30.00000	Averaged	
50 Diethylphthalate	1.08062	0.98352	0.98352	0.050	-8.98529	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.59349	0.56992	0.56992	0.050	-3.97042	30.00000	Averaged	
51 Fluorene	1.35309	1.28623	1.28623	0.050	-4.94114	30.00000	Averaged	
53 4-Nitroaniline	0.25202	0.24036	0.24036	0.050	-4.62505	30.00000	Averaged	
54 4,6-Dinitro-o-cresol	0.17843	0.17343	0.17343	0.050	-2.80264	30.00000	Averaged	
55 N-nitrosodiphenylamine (1)+	0.59036	0.59851	0.59851	0.050	1.37910	20.00000	Averaged	
56 Azobenzene	1.07541	1.08058	1.08058	0.050	0.48075	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.17863	0.16832	0.16832	0.050	-5.77451	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.21768	0.21377	0.21377	0.050	-1.79416	30.00000	Averaged	
59 Hexachlorobenzene	0.28744	0.28007	0.28007	0.050	-2.56501	30.00000	Averaged	
60 Pentachlorophenol +	0.17572	0.16590	0.16590	0.050	-5.59193	20.00000	Averaged	
62 Phenanthrene	1.20972	1.14052	1.14052	0.050	-5.71988	30.00000	Averaged	
63 Anthracene	1.19001	1.13449	1.13449	0.050	-4.66575	30.00000	Averaged	
64 Carbazole	0.93107	0.89508	0.89508	0.050	-3.86560	30.00000	Averaged	
65 Di-n-butylphthalate	1.07059	0.97796	0.97796	0.050	-8.65231	30.00000	Averaged	
67 Fluoranthene +	1.04149	0.95190	0.95190	0.050	-8.60254	20.00000	Averaged	
68 Benzidine	0.12680	0.08418	0.08418	0.050	-33.60916	30.00000	Averaged	<-
69 Pyrene	1.61317	1.52989	1.52989	0.050	-5.16244	30.00000	Averaged	
$ 70 Terphenyl-d14	1.06331	1.00236	1.00236	0.050	-5.73242	30.00000	Averaged	
71 Butylbenzylphthalate	0.58202	0.52873	0.52873	0.050	-9.15571	30.00000	Averaged	
73 3,3'-Dichlorobenzidine	0.33324	0.35279	0.35279	0.050	5.86683	30.00000	Averaged	
72 Benzo(a)anthracene	48.10517	50.00000	1.16546	0.050	-3.78966	30.00000	Linear	
76 bis(2-Ethylhexyl)phthalate	41.57299	50.00000	0.61923	0.050	-16.85402	30.00000	Linear	
75 Chrysene	1.34579	1.20871	1.20871	0.050	-10.18591	30.00000	Averaged	
77 Di-n-octylphthalate +	1.09588	0.90875	0.90875	0.050	-17.07525	20.00000	Averaged	

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GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 06-AUG-2006 13:38
Lab File ID: d1062.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
78 Benzo(b)fluoranthene	48.90163	50.00000	0.99355	0.050	-2.19674	30.00000	Quadratic
79 Benzo(k)fluoranthene	1.67486	1.62447	1.62447	0.050	-3.00834	30.00000	Averaged
80 Benzo(a)pyrene +	1.17875	1.13590	1.13590	0.050	-3.63468	20.00000	Averaged
82 Indeno(1,2,3-cd)pyrene	49.93707	50.00000	1.15083	0.050	-0.12586	30.00000	Quadratic
83 Dibenzo(a,h)anthracene	50.33022	50.00000	1.23695	0.050	0.66044	30.00000	Quadratic
84 Benzo(g,h,i)perylene	55.09340	50.00000	1.44584	0.050	10.18681	30.00000	Quadratic
M 66 Total Methylphenol	1.87607	1.82953	1.82953	0.050	-2.48049	30.00000	Averaged
91 Acetophenone	2.43536	2.25440	2.25440	0.050	-7.43073	30.00000	Averaged
155 Benzaldehyde	36.39794	50.00000	0.44808	0.050	-27.20412	30.00000	Quadratic
156 Caprolactam	0.10987	0.10321	0.10321	0.050	-6.06397	30.00000	Averaged
157 Biphenyl	43.15356	50.00000	0.76771	0.050	-13.69289	30.00000	Quadratic
158 Atrazine	0.18262	0.13921	0.13921	0.050	-23.76885	30.00000	Averaged
174 1,4-Dioxane	0.22034	0.20341	0.20341	0.050	-7.68567	30.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 7.21543
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2060806.s.b/d1061.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 06-AUG-2006 13:23
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1100*4-55-15*
Misc Info : DFTPP*MSSV~3869~*
Comment :
Method : /var/chem/MSSV5.i/2060806.s.b/dftpp_05.m
Meth Date : 27-Jul-2006 08:02 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		
4.183	4.379	-0.196	198	182621			100.00- 100.00	100.00
4.183	4.379	-0.196	51	77906			30.00- 60.00	42.66
4.183	4.379	-0.196	68	1066			0.00- 2.00	1.33
4.183	4.379	-0.196	69	80325			0.00- 0.00	43.98
4.183	4.379	-0.196	70	315			0.00- 2.00	0.39
4.183	4.379	-0.196	127	80018			40.00- 60.00	43.82
4.183	4.379	-0.196	197	271			0.00- 1.00	0.15
4.183	4.379	-0.196	199	12027			5.00- 9.00	6.59
4.183	4.379	-0.196	275	42072			10.00- 30.00	23.04
4.183	4.379	-0.196	365	5055			1.00- 0.00	2.77
4.183	4.379	-0.196	441	24450			0.01- 99.99	70.20
4.183	4.379	-0.196	442	175717			40.00- 100.00	96.22

167286

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.183	4.379	-0.196	443	34827			17.00- 23.00	19.82

Data File: /var/chem/MSSV5.i/2060806.s.b/d1061.d

Date : 06-AUG-2006 13:23

Client ID: DFTPP

Instrument: MSSV5.i

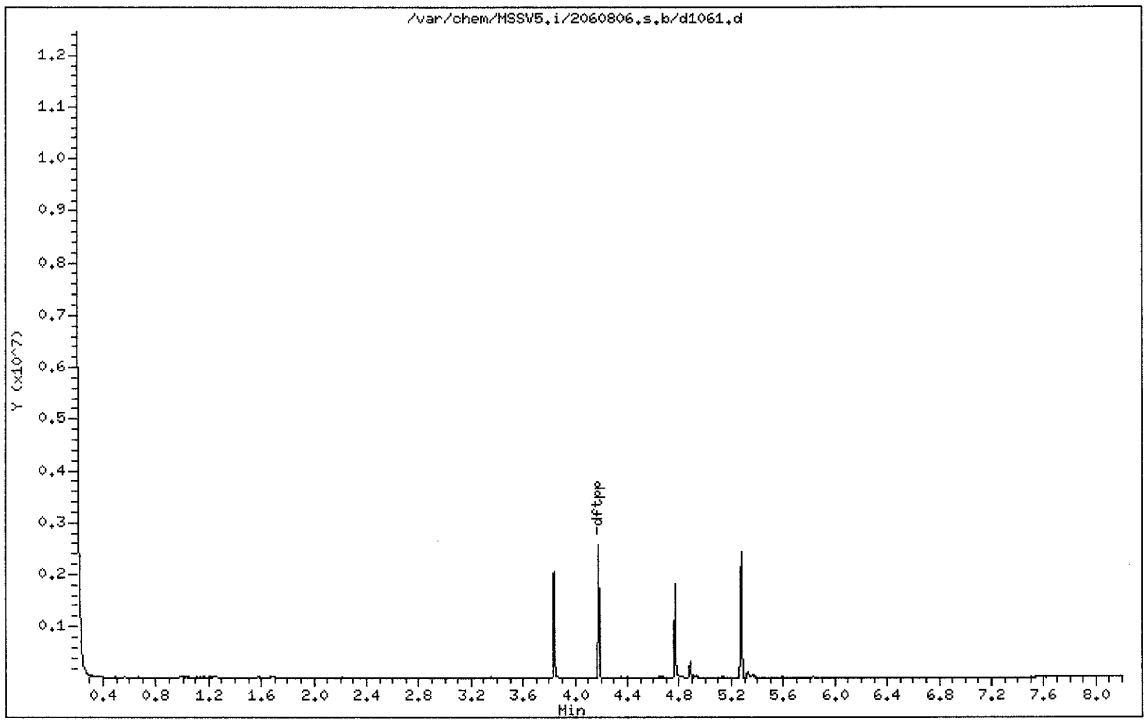
Sample Info: 1100*4-55-15*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00



000827

167288

Data File: /var/chem/MSSV5.i/2060806.s.b/d1061.d

Date : 06-AUG-2006 13:23

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100x4-55-15x

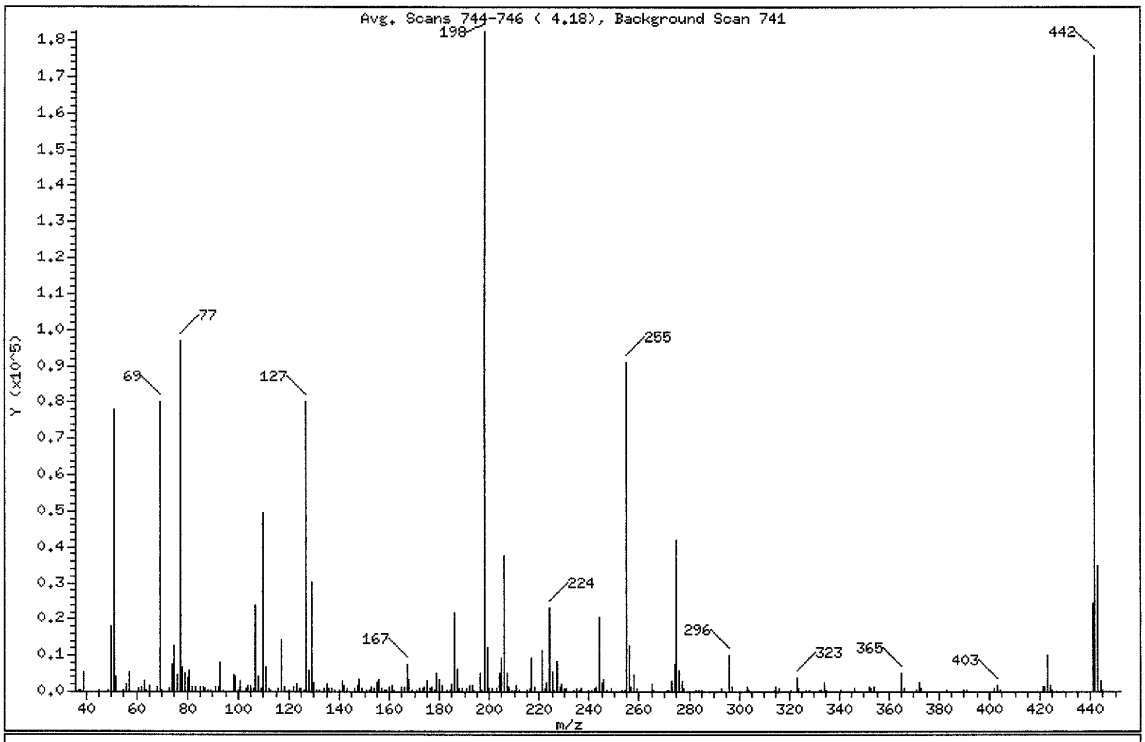
Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

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	42.66
68	Less than 2.00% of mass 69	0.58 (1.33)
69	Mass 69 relative abundance	43.98
70	Less than 2.00% of mass 69	0.17 (0.39)
127	40.00 - 60.00% of mass 198	43.82
197	Less than 1.00% of mass 198	0.15
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	23.04
365	Greater than 1.00% of mass 198	2.77
441	Present, but less than mass 443	13.39
442	40.00 - 100.00% of mass 198	96.22
443	17.00 - 23.00% of mass 442	19.07 (19.82)

Data File: /var/chem/MSSV5.i/2060806.s.b/d1061.d

Date : 06-AUG-2006 13:23

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: d1061.d
Spectrum: Avg. Scans 744-746 (4.18), Background Scan 741
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	465	127.00	80016	203.00	1012	292.00	142
38.00	376	128.00	5724	204.00	5183	293.00	736
39.00	5421	129.00	30256	205.00	9076	294.00	106
41.00	117	130.00	2330	206.00	37896	295.00	139
42.00	89	131.00	455	207.00	5214	296.00	10282
45.00	258	132.00	356	208.00	1263	297.00	1360
48.00	63	133.00	128	209.00	381	298.00	102
49.00	387	134.00	785	210.00	609	301.00	170
50.00	17848	135.00	2230	211.00	1548	302.00	149
51.00	77904	136.00	959	212.00	286	303.00	1447
52.00	4138	137.00	902	215.00	430	304.00	411
53.00	105	138.00	466	216.00	724	307.00	55
55.00	373	139.00	139	217.00	9310	308.00	114
56.00	2007	140.00	341	218.00	1422	309.00	62
57.00	5448	141.00	2916	219.00	156	310.00	66
58.00	96	142.00	1483	220.00	75	313.00	52
60.00	72	143.00	687	221.00	11466	314.00	518
61.00	671	144.00	177	222.00	763	315.00	1105
62.00	1148	145.00	190	223.00	2564	316.00	750
63.00	2995	146.00	648	224.00	22920	317.00	138
64.00	358	147.00	1673	225.00	5574	321.00	363
65.00	1844	148.00	3301	226.00	593	322.00	202
66.00	116	149.00	758	227.00	8351	323.00	3853
68.00	1066	150.00	117	228.00	1210	324.00	773
69.00	80320	151.00	605	229.00	1946	325.00	74
70.00	315	152.00	224	230.00	705	326.00	56
73.00	636	153.00	1271	231.00	1011	327.00	604
74.00	7677	154.00	887	232.00	124	328.00	231
75.00	12527	155.00	2436	233.00	195	332.00	333
76.00	4549	156.00	3287	234.00	534	333.00	372
77.00	97168	157.00	801	235.00	727	334.00	2461
78.00	6552	158.00	608	236.00	462	335.00	609
79.00	5168	159.00	397	237.00	790	336.00	70
80.00	3872	160.00	1304	238.00	83	339.00	50
81.00	5695	161.00	1865	239.00	193	340.00	50

Data File: /var/chem/MSSV5.i/2060806.s.b/d1061.d

Date : 06-AUG-2006 13:23

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: d1061.d
Spectrum: Avg. Scans 744-746 (4.18), Background Scan 741
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	1314	162.00	515	240.00	281	341.00	424
83.00	1190	163.00	64	241.00	554	342.00	142
85.00	1085	164.00	139	242.00	1015	346.00	947
86.00	1405	165.00	1287	243.00	1097	347.00	134
87.00	868	166.00	1300	244.00	20592	351.00	61
88.00	368	167.00	7544	245.00	2577	352.00	1263
89.00	273	168.00	3535	246.00	3162	353.00	965
91.00	1263	169.00	555	247.00	621	354.00	1361
92.00	1275	170.00	153	248.00	88	355.00	185
93.00	8048	171.00	312	249.00	727	364.00	65
94.00	429	172.00	666	251.00	76	365.00	5055
96.00	93	173.00	781	252.00	147	366.00	674
97.00	24	174.00	1389	253.00	327	370.00	59
98.00	4823	175.00	2982	254.00	441	371.00	373
99.00	4402	176.00	982	255.00	91136	372.00	2408
100.00	531	177.00	1463	256.00	12789	373.00	746
101.00	3022	178.00	458	257.00	1058	383.00	614
102.00	119	179.00	5159	258.00	4667	384.00	207
103.00	792	180.00	3267	259.00	765	385.00	61
104.00	1844	181.00	1772	260.00	62	390.00	360
105.00	1736	182.00	172	261.00	161	391.00	290
106.00	682	183.00	224	264.00	63	392.00	190
107.00	24096	184.00	465	265.00	2032	401.00	76
108.00	4227	185.00	2157	266.00	357	402.00	991
109.00	840	186.00	21840	267.00	52	403.00	1559
110.00	49544	187.00	6236	268.00	53	404.00	505
111.00	6750	188.00	643	270.00	52	415.00	54
112.00	981	189.00	968	271.00	229	421.00	1307
113.00	240	190.00	145	272.00	337	422.00	1375
114.00	145	191.00	816	273.00	2898	423.00	10001
115.00	164	192.00	1866	274.00	7650	424.00	1830
116.00	1017	193.00	1857	275.00	42072	425.00	233
117.00	14288	194.00	435	276.00	5712	441.00	24448
118.00	1097	195.00	149	277.00	2920	442.00	175680
119.00	91	196.00	4908	278.00	708	443.00	34824

167291

Data File: /var/chem/MSSV5.i/2060806.s.b/d1061.d

Date : 06-AUG-2006 13:23

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: d1061.d
Spectrum: Avg. Scans 744-746 (4.18), Background Scan 741
Location of Maximum: 198.00
Number of points: 301

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	259	197.00	271	283.00	383	444.00	2963
122.00	1255	198.00	182592	284.00	219	445.00	286
123.00	2153	199.00	12027	285.00	594	451.00	65
124.00	965	200.00	794	286.00	104		
125.00	1017	201.00	820	289.00	81		
126.00	608	202.00	100	290.00	129		

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060806.s.b/d1062.d
Lab Smp Id: 1400 Client Smp ID: STD050
Inj Date : 06-AUG-2006 13:38
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1400*4-57-9*
Misc Info : STD050*MSSV~3869~*
Comment :
Method : /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 10:05 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	200.00000	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	0.305	0.305	(0.280)	134566	50.0000	44.8(M)
	1 n-Nitrosodimethylamine	42	0.300	0.300	(0.275)	126511	50.0000	66.2
$	3 2-Fluorophenol	112	0.524	0.524	(0.481)	138943	50.0000	47.0
$	4 Phenol-d5	99	0.893	0.893	(0.819)	559107	50.0000	40.5
	5 Aniline	93	0.867	0.867	(0.794)	512804	50.0000	37.0
	6 Phenol +	94	0.904	0.904	(0.828)	714635	50.0000	42.5
	7 bis(-2-Chloroethyl)Ether	63	0.926	0.926	(0.848)	686261	50.0000	42.4
	8 2-Chlorophenol	128	0.942	0.942	(0.863)	577147	50.0000	42.4
	9 1,3-Dichlorobenzene	146	1.043	1.043	(0.956)	750017	50.0000	47.3
*	10 1,4-Dichlorobenzene-d4	152	1.091	1.091	(1.000)	322378	40.0000	
	11 1,4-Dichlorobenzene +	146	1.102	1.102	(1.010)	760136	50.0000	48.2
	12 Benzyl alcohol	108	1.241	1.241	(1.137)	524207	50.0000	46.8
	13 1,2-Dichlorobenzene	146	1.214	1.214	(1.113)	726468	50.0000	48.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.359	1.359	(1.245)	730260	50.0000	47.0
	14 Bis(2-chloroisopropyl)ether	45	1.343	1.343	(1.230)	1123690	50.0000	49.5
	17 3- & 4-Methylphenol	108	1.476	1.476	(1.353)	744244	50.0000	49.4
	16 N-Nitroso-di-n-propylamine++	70	1.439	1.439	(1.319)	561681	50.0000	39.6
	18 Hexachloroethane	117	1.455	1.455	(1.333)	286638	50.0000	48.7
$	19 Nitrobenzene-d5	82	1.514	1.514	(0.767)	826485	50.0000	49.1
	20 Nitrobenzene	77	1.530	1.530	(0.775)	846422	50.0000	49.1
	21 Isophorone	82	1.701	1.701	(0.862)	1441804	50.0000	46.8
	22 2-Nitrophenol +	139	1.744	1.744	(0.883)	356589	50.0000	47.5
	23 2,4-Dimethyphenol	107	1.824	1.824	(0.924)	742117	50.0000	49.1
	24 bis(-2-Chloroethoxy)methane	93	1.867	1.867	(0.946)	814227	50.0000	47.8
	25 Benzoic Acid	122	1.958	1.958	(0.992)	293203	50.0000	53.0
	26 2,4-Dichlorophenol +	162	1.915	1.915	(0.970)	499886	50.0000	49.8
	27 1,2,4-Trichlorobenzene	180	1.947	1.947	(0.986)	544043	50.0000	46.8
*	28 Naphthalene-d8	136	1.974	1.974	(1.000)	1256157	40.0000	
	29 Naphthalene	128	1.985	1.985	(1.005)	1746897	50.0000	47.4
	30 4-Chloroaniline	127	2.049	2.049	(1.038)	575133	50.0000	45.0
	31 Hexachlorobutadiene +	225	2.086	2.086	(1.057)	346606	50.0000	46.5
	32 4-Chloro-3-Methylphenol +	107	2.396	2.396	(1.214)	569577	50.0000	48.5
	33 2-Methylnaphthalene	142	2.423	2.423	(1.228)	1226100	50.0000	46.4
	145 1-Methylnapthalene	142	2.482	2.482	(1.257)	997532	50.0000	46.6
	34 Hexachlorocyclopentadiene ++	237	2.530	2.530	(0.830)	339672	50.0000	47.4
	35 2,4,6-Trichlorophenol +	196	2.621	2.621	(0.860)	318130	50.0000	50.4
	36 2,4,5-Trichlorphenol	196	2.648	2.648	(0.868)	327568	50.0000	50.2
$	37 2-Fluorobiphenyl	172	2.664	2.664	(0.874)	1086696	50.0000	48.4
	38 2-Chloronaphthalene	162	2.717	2.717	(0.891)	886566	50.0000	51.4
	39 2-Nitroaniline	138	2.803	2.803	(0.919)	298595	50.0000	48.9
	40 Dimethylphthalate	163	2.931	2.931	(0.961)	823631	50.0000	45.7
	41 2,6-Dinitrotoluene	165	2.958	2.958	(0.970)	220869	50.0000	49.0
	42 Acenaphthylene	152	2.958	2.958	(0.970)	1289449	50.0000	46.0
	43 3-Nitroaniline	138	3.054	3.054	(1.002)	217573	50.0000	47.7
*	44 Acenaphthene-d10	164	3.049	3.049	(1.000)	631502	40.0000	
	45 Acenaphthene +	153	3.070	3.070	(1.007)	973331	50.0000	47.7
	46 2,4-Dinitrophenol ++	184	3.119	3.119	(1.023)	143771	50.0000	47.7
	49 4-Nitrophenol ++	109	3.209	3.209	(1.053)	122431	50.0000	53.2
	47 Dibenzofuran	168	3.172	3.172	(1.040)	1318063	50.0000	48.8
	48 2,4-Dinitrotoluene	165	3.199	3.199	(1.049)	287286	50.0000	48.0
	50 Diethylphthalate	149	3.365	3.365	(1.103)	776368	50.0000	45.5
	52 4-Chlorophenyl-phenylether	204	3.397	3.397	(1.114)	449885	50.0000	48.0
	51 Fluorene	166	3.381	3.381	(1.109)	1015324	50.0000	47.5
	53 4-Nitroaniline	138	3.423	3.423	(1.123)	189735	50.0000	47.7
	54 4,6-Dinitro-o-cresol	198	3.439	3.439	(0.875)	185826	50.0000	48.6
	55 N-nitrosodiphenylamine (1)+	169	3.477	3.477	(0.884)	641300	50.0000	50.7
	56 Azobenzene	77	3.493	3.493	(0.888)	1157845	50.0000	50.2
$	57 2,4,6-Tribromophenol	332	3.530	3.530	(1.158)	132865	50.0000	47.1
	58 4-Bromophenyl-phenylether	248	3.686	3.686	(0.937)	229057	50.0000	49.1
	59 Hexachlorobenzene	284	3.707	3.707	(0.943)	300091	50.0000	48.7

			QUANT SIG				AMOUNTS	
							CAL-AMT	ON-COL
	Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ppm)
	60	Pentachlorophenol +	266	3.841	3.841	(0.977)	177758	50.0000	47.2
*	61	Phenanthrene-d10	188	3.932	3.932	(1.000)	857202	40.0000	
	62	Phenanthrene	178	3.948	3.948	(1.004)	1222073	50.0000	47.1
	63	Anthracene	178	3.980	3.980	(1.012)	1215609	50.0000	47.7
	64	Carbazole	167	4.092	4.092	(1.041)	959077	50.0000	48.1
	65	Di-n-butylphthalate	149	4.349	4.349	(1.106)	1047889	50.0000	45.7
	67	Fluoranthene +	202	4.654	4.654	(1.184)	1019960	50.0000	45.7
	68	Benzidine	184	4.766	4.766	(0.858)	56788	50.0000	33.2
	69	Pyrene	202	4.787	4.787	(0.861)	1032042	50.0000	47.4
$	70	Terphenyl-d14	244	4.916	4.916	(0.884)	676173	50.0000	47.1
	71	Butylbenzylphthalate	149	5.247	5.247	(0.944)	356673	50.0000	45.4
	73	3,3'-Dichlorobenzidine	252	5.568	5.568	(1.002)	237988	50.0000	52.9
	72	Benzo(a)anthracene	228	5.547	5.547	(0.998)	786202	50.0000	48.1
*	74	Chrysene-d12	240	5.558	5.558	(1.000)	539667	40.0000	
	76	bis(2-Ethylhexyl)phthalate	149	5.670	5.670	(1.020)	417722	50.0000	41.6
	75	Chrysene	228	5.574	5.574	(1.003)	815377	50.0000	44.9
	77	Di-n-octylphthalate +	149	6.141	6.141	(1.105)	613031	50.0000	41.5
	78	Benzo(b)fluoranthene	252	6.301	6.301	(0.961)	611626	50.0000	48.9
	79	Benzo(k)fluoranthene	252	6.317	6.317	(0.963)	1000019	50.0000	48.5
	80	Benzo(a)pyrene +	252	6.520	6.520	(0.994)	699258	50.0000	48.2
*	81	Perylene-d12	264	6.558	6.558	(1.000)	492477	40.0000	
	82	Indeno(1,2,3-cd)pyrene	276	7.269	7.269	(1.308)	776329	50.0000	49.9(M)
	83	Dibenzo(a,h)anthracene	278	7.290	7.290	(1.112)	761460	50.0000	50.3
	84	Benzo(g,h,i)perylene	276	7.430	7.430	(1.133)	890055	50.0000	55.1
M	66	Total Methylphenol	108				1474504	100.000	96.3
	91	Acetophenone	105	1.418	1.418	(1.299)	908461	50.0000	46.3
	155	Benzaldehyde	77	0.803	0.803	(0.735)	180564	50.0000	36.4
	156	Caprolactam	113	2.300	2.300	(1.165)	162058	50.0000	47.0
	157	Biphenyl	154	2.717	2.717	(1.377)	1205460	50.0000	43.2
	158	Atrazine	200	3.825	3.825	(0.973)	149169	50.0000	38.1
	174	1,4-Dioxane	88	0.268	0.268	(0.245)	81967	50.0000	46.2

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060806.s.b/d1062.d

Date : 06-AUG-2006 13:38

Client ID: STD050

Instrument: MSSV5.i

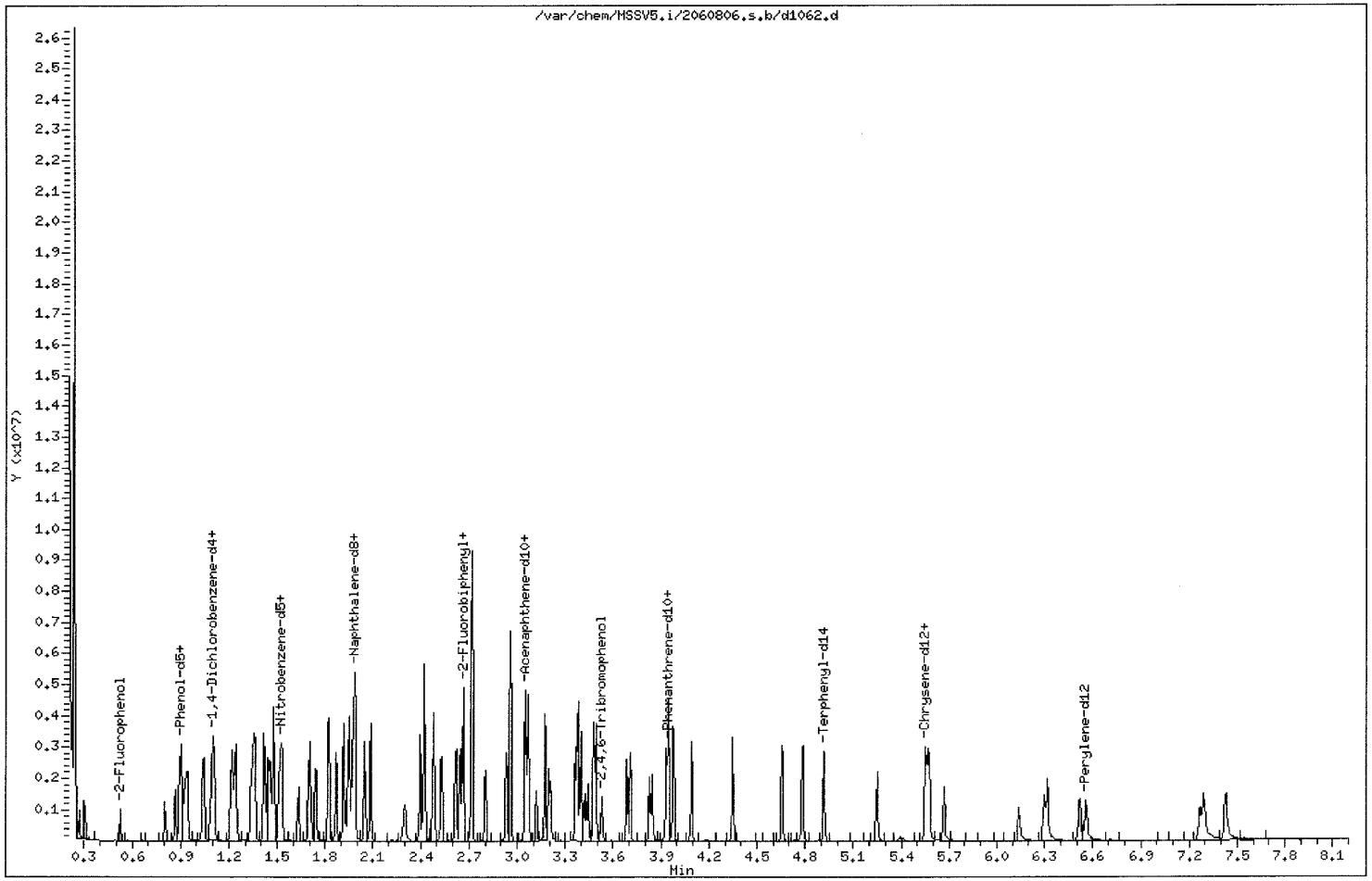
Sample Info: 1400x4-57-9x

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

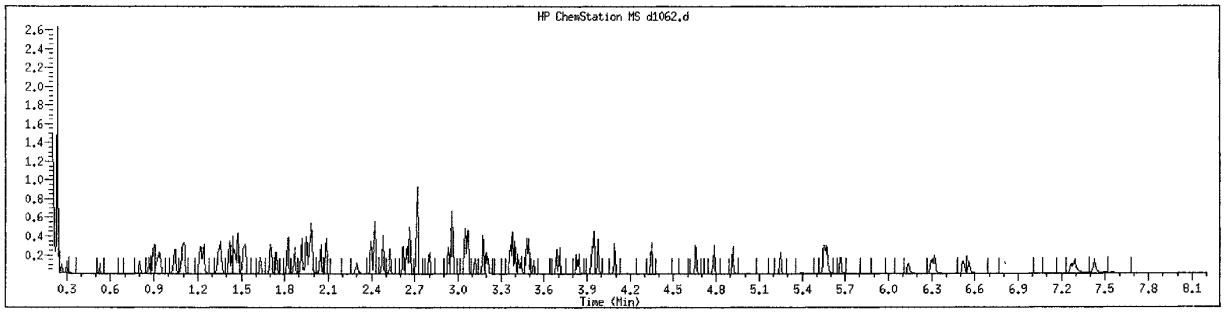
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060806.s.b/d1062.d Page: 1
Report Date: 08/07/2006 10:05

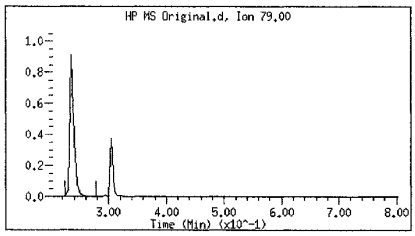
MANUAL INTEGRATION GRAPHIC REPORT

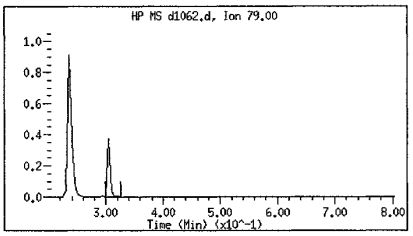
Lab ID : 1400 SampleType : CCALIB_5
Injection Date: 06-AUG-2006 13:38 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1400*4-57-9*
Misc Info : STD050*MSSV~3869~*
Method : /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



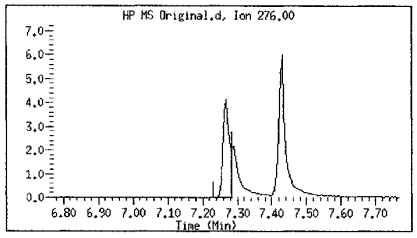
Original Final

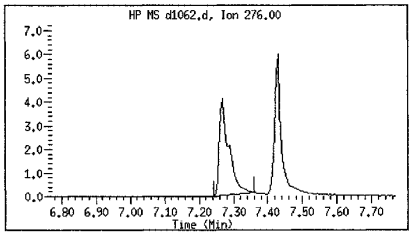
2 Pyridine CAS#: 110-86-1





82 Indeno(1,2,3-cd)pyrene CAS#: 193-39-5





000836

167297

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 07-AUG-2006 10:16
Lab File ID: d1118.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
2 Pyridine	0.37236	0.29958	0.29958	0.050	-19.54394	30.00000	Averaged	
1 n-Nitrosodimethylamine	0.23720	0.04443	0.04443	0.050	-81.26931	30.00000	Averaged	<-
$ 3 2-Fluorophenol	0.36706	0.37295	0.37295	0.050	1.60551	30.00000	Averaged	
$ 4 Phenol-d5	1.71273	1.40222	1.40222	0.050	-18.12960	30.00000	Averaged	
5 Aniline	1.71943	1.45614	1.45614	0.050	-15.31273	30.00000	Averaged	
6 Phenol +	2.08629	1.83436	1.83436	0.050	-12.07531	20.00000	Averaged	
7 bis(-2-Chloroethyl)Ether	2.00999	1.80259	1.80259	0.050	-10.31874	30.00000	Averaged	
8 2-Chlorophenol	1.68814	1.51124	1.51124	0.050	-10.47899	30.00000	Averaged	
9 1,3-Dichlorobenzene	1.96804	2.08797	2.08797	0.050	6.09420	30.00000	Averaged	
11 1,4-Dichlorobenzene +	1.95642	2.11202	2.11202	0.050	7.95311	20.00000	Averaged	
12 Benzyl alcohol	1.38921	1.34711	1.34711	0.050	-3.03049	30.00000	Averaged	
13 1,2-Dichlorobenzene	1.87810	1.99974	1.99974	0.050	6.47682	30.00000	Averaged	
15 2-Methylphenol	1.92923	1.88866	1.88866	0.050	-2.10286	30.00000	Averaged	
14 Bis(2-chloroisopropyl)ether	2.81633	3.20219	3.20219	0.050	13.70093	30.00000	Averaged	
17 3- & 4-Methylphenol	1.87072	1.93804	1.93804	0.050	3.59829	30.00000	Averaged	
16 N-Nitroso-di-n-propylamine+	43.74099	50.00000	1.50681	0.050	-12.51801	30.00000	Quadratic	
18 Hexachloroethane	0.73079	0.83346	0.83346	0.050	14.04840	30.00000	Averaged	
$ 19 Nitrobenzene-d5	0.53620	0.58809	0.58809	0.050	9.67885	30.00000	Averaged	
20 Nitrobenzene	0.54871	0.59142	0.59142	0.050	7.78449	30.00000	Averaged	
21 Isophorone	0.97998	1.00630	1.00630	0.050	2.68595	30.00000	Averaged	
22 2-Nitrophenol +	0.23881	0.24881	0.24881	0.050	4.18836	20.00000	Averaged	
23 2,4-Dimethyphenol	0.48096	0.49681	0.49681	0.050	3.29638	30.00000	Averaged	
24 bis(-2-Chloroethoxy)methane	0.54272	0.58056	0.58056	0.050	6.97228	30.00000	Averaged	
25 Benzoic Acid	0.17607	0.19811	0.19811	0.050	12.51480	30.00000	Averaged	
26 2,4-Dichlorophenol +	0.31976	0.34640	0.34640	0.050	8.33190	20.00000	Averaged	
27 1,2,4-Trichlorobenzene	0.36980	0.37895	0.37895	0.050	2.47568	30.00000	Averaged	
29 Naphthalene	1.17244	1.24319	1.24319	0.050	6.03403	30.00000	Averaged	
30 4-Chloroaniline	47.33566	50.00000	0.38339	0.050	-5.32869	30.00000	Quadratic	
31 Hexachlorobutadiene +	0.23757	0.24523	0.24523	0.050	3.22461	20.00000	Averaged	
32 4-Chloro-3-Methylphenol +	0.37431	0.38664	0.38664	0.050	3.29326	20.00000	Averaged	
33 2-Methylnaphthalene	0.84100	0.85606	0.85606	0.050	1.79149	30.00000	Averaged	
145 1-Methylnapthalene	0.68190	0.70213	0.70213	0.050	2.96576	30.00000	Averaged	
34 Hexachlorocyclopentadiene +	0.45430	0.48206	0.48206	0.050	6.11100	30.00000	Averaged	
35 2,4,6-Trichlorophenol +	0.40002	0.41889	0.41889	0.050	4.71729	20.00000	Averaged	
36 2,4,5-Trichlorphenol	0.41333	0.44578	0.44578	0.050	7.85138	30.00000	Averaged	
$ 37 2-Fluorobiphenyl	1.42286	1.51580	1.51580	0.050	6.53235	30.00000	Averaged	

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GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 07-AUG-2006 10:16
Lab File ID: d1118.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Chloronaphthalene	1.09256	1.25058	1.25058	0.050	14.46295	30.00000	Averaged	
39 2-Nitroaniline	0.38695	0.41184	0.41184	0.050	6.43133	30.00000	Averaged	
40 Dimethylphthalate	1.14044	1.19980	1.19980	0.050	5.20531	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.28572	0.31159	0.31159	0.050	9.05326	30.00000	Averaged	
42 Acenaphthylene	1.77615	1.95485	1.95485	0.050	10.06091	30.00000	Averaged	
43 3-Nitroaniline	0.28895	0.30123	0.30123	0.050	4.25103	30.00000	Averaged	
45 Acenaphthene +	1.29213	1.34790	1.34790	0.050	4.31598	20.00000	Averaged	
46 2,4-Dinitrophenol ++	54.32723	50.00000	0.20966	0.050	8.65446	30.00000	Linear	
49 4-Nitrophenol ++	0.14568	0.17898	0.17898	0.050	22.86036	30.00000	Averaged	
47 Dibenzofuran	1.71118	1.82174	1.82174	0.050	6.46138	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.37892	0.42155	0.42155	0.050	11.25188	30.00000	Averaged	
50 Diethylphthalate	1.08062	1.18872	1.18872	0.050	10.00407	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.59349	0.62973	0.62973	0.050	6.10730	30.00000	Averaged	
51 Fluorene	1.35309	1.43683	1.43683	0.050	6.18871	30.00000	Averaged	
53 4-Nitroaniline	0.25202	0.29296	0.29296	0.050	16.24520	30.00000	Averaged	
54 4,6-Dinitro-o-cresol	0.17843	0.19134	0.19134	0.050	7.23987	30.00000	Averaged	
55 N-nitrosodiphenylamine (1)+	0.59036	0.61359	0.61359	0.050	3.93497	20.00000	Averaged	
56 Azobenzene	1.07541	1.18671	1.18671	0.050	10.34950	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.17863	0.18196	0.18196	0.050	1.86200	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.21768	0.22076	0.22076	0.050	1.41687	30.00000	Averaged	
59 Hexachlorobenzene	0.28744	0.29207	0.29207	0.050	1.61057	30.00000	Averaged	
60 Pentachlorophenol +	0.17572	0.18379	0.18379	0.050	4.59208	20.00000	Averaged	
62 Phenanthrene	1.20972	1.26885	1.26885	0.050	4.88834	30.00000	Averaged	
63 Anthracene	1.19001	1.26927	1.26927	0.050	6.65981	30.00000	Averaged	
64 Carbazole	0.93107	1.03622	1.03622	0.050	11.29392	30.00000	Averaged	
65 Di-n-butylphthalate	1.07059	1.23698	1.23698	0.050	15.54130	30.00000	Averaged	
67 Fluoranthene +	1.04149	1.21837	1.21837	0.050	16.98299	20.00000	Averaged	
68 Benzidine	0.12680	0.06988	0.06988	0.050	-44.88606	30.00000	Averaged	<-
69 Pyrene	1.61317	1.41557	1.41557	0.050	-12.24967	30.00000	Averaged	
$ 70 Terphenyl-d14	1.06331	0.96925	0.96925	0.050	-8.84560	30.00000	Averaged	
71 Butylbenzylphthalate	0.58202	0.59934	0.59934	0.050	2.97674	30.00000	Averaged	
73 3,3'-Dichlorobenzidine	0.33324	0.38004	0.38004	0.050	14.04192	30.00000	Averaged	
72 Benzo(a)anthracene	52.76096	50.00000	1.28303	0.050	5.52192	30.00000	Linear	
76 bis(2-Ethylhexyl)phthalate	53.31218	50.00000	0.79553	0.050	6.62436	30.00000	Linear	
75 Chrysene	1.34579	1.37238	1.37238	0.050	1.97577	30.00000	Averaged	
77 Di-n-octylphthalate +	1.09588	1.26986	1.26986	0.050	15.87569	20.00000	Averaged	

000838

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GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 07-AUG-2006 10:16
Lab File ID: d1118.d Init. Cal. Date(s): 28-JUN-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 10:53 11:36
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 Benzo(b)fluoranthene	51.94412	50.00000	1.06213	0.050	3.88824	30.00000	Quadratic	
79 Benzo(k)fluoranthene	1.67486	1.85182	1.85182	0.050	10.56602	30.00000	Averaged	
80 Benzo(a)pyrene +	1.17875	1.28224	1.28224	0.050	8.77998	20.00000	Averaged	
82 Indeno(1,2,3-cd)pyrene	37.63136	50.00000	0.83403	0.050	-24.73729	30.00000	Quadratic	
83 Dibenzo(a,h)anthracene	52.20607	50.00000	1.28841	0.050	4.41214	30.00000	Quadratic	
84 Benzo(g,h,i)perylene	55.48368	50.00000	1.45699	0.050	10.96737	30.00000	Quadratic	
M 66 Total Methylphenol	1.87607	1.91335	1.91335	0.050	1.98718	30.00000	Averaged	
91 Acetophenone	2.43536	2.39767	2.39767	0.050	-1.54789	30.00000	Averaged	
155 Benzaldehyde	5.18565	50.00000	0.19761	0.050	-89.62870	30.00000	Quadratic	<-
156 Caprolactam	0.10987	0.11408	0.11408	0.050	3.83468	30.00000	Averaged	
157 Biphenyl	49.48736	50.00000	0.86239	0.050	-1.02528	30.00000	Quadratic	
158 Atrazine	0.18262	0.19872	0.19872	0.050	8.81239	30.00000	Averaged	
174 1,4-Dioxane	0.22034	0.19261	0.19261	0.050	-12.58527	30.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 10.20862
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2060807.s.b/d1114.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 07-AUG-2006 09:19
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1100*4-55-15*
Misc Info : DFTPP*MSSV~3870~*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/dftpp_05.m
Meth Date : 27-Jul-2006 08:02 jar3 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.177	4.379	-0.202	198	159741			100.00- 100.00	100.00
4.177	4.379	-0.202	51	73981			30.00- 60.00	46.31
4.177	4.379	-0.202	68	1082			0.00- 2.00	1.44
4.177	4.379	-0.202	69	75125			0.00- 0.00	47.03
4.177	4.379	-0.202	70	425			0.00- 2.00	0.57
4.177	4.379	-0.202	127	71960			40.00- 60.00	45.05
4.177	4.379	-0.202	197	344			0.00- 1.00	0.22
4.177	4.379	-0.202	199	10659			5.00- 9.00	6.67
4.177	4.379	-0.202	275	34930			10.00- 30.00	21.87
4.177	4.379	-0.202	365	4466			1.00- 0.00	2.80
4.177	4.379	-0.202	441	18145			0.01- 99.99	75.91
4.177	4.379	-0.202	442	125819			40.00- 100.00	78.76

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.177	4.379	-0.202	443	23904			17.00- 23.00	19.00

Data File: /var/chem/MSSV5.i/2060807.s.b/d1114.d

Date : 07-AUG-2006 09:19

Client ID: DFTPP

Instrument: MSSV5.i

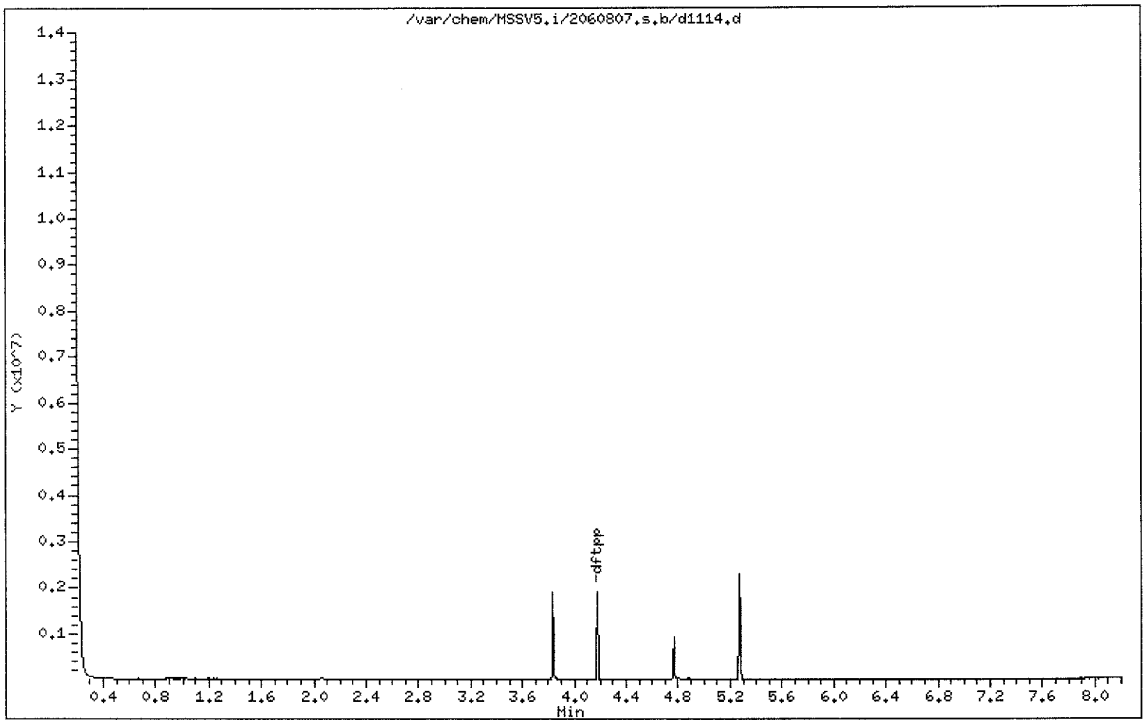
Sample Info: 1100*4-55-15*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 2.00



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167303

Data File: /var/chem/MSSV5.i/2060807.s.b/d1114.d

Date : 07-AUG-2006 09:19

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100x4-55-15x

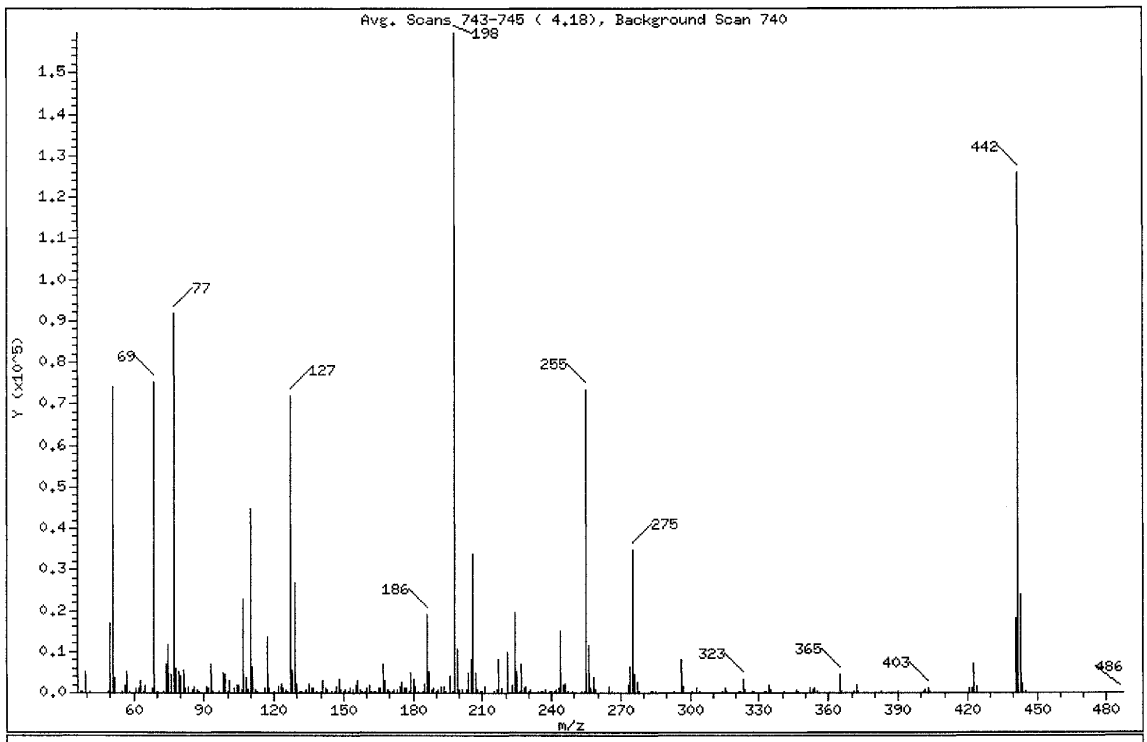
Volume Injected (uL): 1.0

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	46.31
68	Less than 2.00% of mass 69	0.68 (1.44)
69	Mass 69 relative abundance	47.03
70	Less than 2.00% of mass 69	0.27 (0.57)
127	40.00 - 60.00% of mass 198	45.05
197	Less than 1.00% of mass 198	0.22
199	5.00 - 9.00% of mass 198	6.67
275	10.00 - 30.00% of mass 198	21.87
365	Greater than 1.00% of mass 198	2.80
441	Present, but less than mass 443	11.36
442	40.00 - 100.00% of mass 198	78.76
443	17.00 - 23.00% of mass 442	14.96 (19.00)

Data File: /var/chem/MSSV5.i/2060807.s.b/d1114.d

Date : 07-AUG-2006 09:19

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: d1114.d
Spectrum: Avg. Scans 743-745 (4.18), Background Scan 740
Location of Maximum: 198.00
Number of points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	323	124.00	953	199.00	10659	289.00	73
38.00	475	125.00	826	200.00	748	290.00	149
39.00	5253	126.00	264	201.00	558	292.00	173
41.00	376	127.00	71960	202.00	169	293.00	498
42.00	72	128.00	5350	203.00	747	294.00	108
45.00	176	129.00	26856	204.00	4742	295.00	112
49.00	533	130.00	2164	205.00	7903	296.00	8022
50.00	16768	131.00	538	206.00	33680	297.00	1469
51.00	73976	132.00	249	207.00	4732	301.00	207
52.00	3698	133.00	61	208.00	872	303.00	1064
53.00	182	134.00	620	209.00	252	304.00	348
55.00	478	135.00	2138	210.00	532	305.00	59
56.00	1941	136.00	958	211.00	1556	308.00	94
57.00	5030	137.00	1082	213.00	94	310.00	98
58.00	300	138.00	194	215.00	312	313.00	138
61.00	968	139.00	63	216.00	716	314.00	485
62.00	1038	140.00	319	217.00	8100	315.00	968
63.00	2853	141.00	2778	218.00	989	316.00	487
64.00	369	142.00	1214	219.00	103	317.00	158
65.00	1680	143.00	628	221.00	10042	320.00	120
66.00	74	144.00	168	223.00	1717	321.00	249
68.00	1082	145.00	274	224.00	19368	322.00	208
69.00	75120	146.00	503	225.00	5149	323.00	3289
70.00	425	147.00	1589	226.00	470	324.00	600
73.00	477	148.00	3153	227.00	6855	327.00	328
74.00	6909	149.00	630	228.00	978	328.00	355
75.00	11644	150.00	268	229.00	1637	329.00	111
76.00	4368	151.00	689	230.00	355	330.00	67
77.00	91608	152.00	237	231.00	726	332.00	231
78.00	6042	153.00	1061	232.00	74	333.00	385
79.00	5141	154.00	611	233.00	75	334.00	1688
80.00	3870	155.00	1945	234.00	517	335.00	581
81.00	5431	156.00	2854	235.00	499	336.00	64
82.00	1269	157.00	737	236.00	450	340.00	50
83.00	1329	158.00	424	237.00	573	341.00	365

Data File: /var/chem/MSSV5.i/2060807.s.b/d1114.d

Date : 07-AUG-2006 09:19

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: d1114.d
Spectrum: Avg. Scans 743-745 (4.18), Background Scan 740
Location of Maximum: 198.00
Number of points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	79	159.00	544	238.00	60	342.00	95
85.00	906	160.00	972	239.00	360	346.00	557
86.00	1451	161.00	1824	240.00	264	347.00	224
87.00	697	162.00	326	241.00	530	352.00	1067
88.00	313	163.00	186	242.00	780	353.00	588
89.00	154	164.00	272	243.00	941	354.00	1089
90.00	57	165.00	1272	244.00	15079	355.00	195
91.00	1426	166.00	973	245.00	1993	363.00	60
92.00	1197	167.00	6952	246.00	2383	365.00	4466
93.00	6996	168.00	2900	247.00	428	366.00	429
94.00	518	169.00	750	248.00	166	370.00	105
95.00	163	170.00	188	249.00	470	371.00	305
96.00	353	171.00	246	250.00	141	372.00	1963
97.00	133	172.00	596	251.00	165	373.00	423
98.00	4924	173.00	613	252.00	93	374.00	118
99.00	4500	174.00	1506	253.00	368	377.00	71
100.00	534	175.00	2733	254.00	260	383.00	451
101.00	2920	176.00	966	255.00	73312	384.00	147
102.00	67	177.00	967	256.00	11222	390.00	330
103.00	955	178.00	401	257.00	958	391.00	173
104.00	1705	179.00	4840	258.00	3727	392.00	173
105.00	1662	180.00	3239	259.00	657	401.00	245
106.00	673	181.00	1464	261.00	88	402.00	859
107.00	22720	182.00	439	264.00	135	403.00	1228
108.00	3713	183.00	163	265.00	1517	404.00	472
109.00	653	184.00	280	266.00	223	421.00	1055
110.00	44768	185.00	2032	270.00	110	422.00	966
111.00	6403	186.00	19080	271.00	89	423.00	7025
112.00	698	187.00	5032	272.00	54	424.00	1630
113.00	262	188.00	626	273.00	2000	425.00	88
114.00	83	189.00	959	274.00	6125	441.00	18144
115.00	52	190.00	193	275.00	34928	442.00	125816
116.00	1230	191.00	599	276.00	4525	443.00	23904
117.00	13425	192.00	1591	277.00	2559	444.00	2171
118.00	1041	193.00	1518	278.00	355	445.00	188

Data File: /var/chem/MSSV5.i/2060807.s.b/d1114.d

Date : 07-AUG-2006 09:19

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: d1114.d
Spectrum: Avg. Scans 743-745 (4.18), Background Scan 740
Location of Maximum: 198.00
Number of points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
119.00	83	194.00	363	283.00	319	486.00	65
120.00	285	195.00	176	284.00	277		
121.00	50	196.00	3941	285.00	455		
122.00	1357	197.00	344	286.00	52		
123.00	2031	198.00	159680	288.00	57		

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GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1118.d
Lab Smp Id: 1400 Client Smp ID: STD050
Inj Date : 07-AUG-2006 10:16
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1400*4-57-9*
Misc Info : STD050*MSSV~3870~*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 11:14 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.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	0.305	0.305	(0.282)	78759	50.0000	40.2
	1 n-Nitrosodimethylamine	42	0.300	0.300	(0.277)	11680	50.0000	9.37(a)
$	3 2-Fluorophenol	112	0.524	0.524	(0.485)	98047	50.0000	50.8
$	4 Phenol-d5	99	0.888	0.888	(0.822)	368634	50.0000	40.9
	5 Aniline	93	0.861	0.861	(0.797)	382809	50.0000	42.3
	6 Phenol +	94	0.893	0.893	(0.827)	482243	50.0000	44.0
	7 bis(-2-Chloroethyl)Ether	63	0.915	0.915	(0.847)	473889	50.0000	44.8
	8 2-Chlorophenol	128	0.931	0.931	(0.861)	397295	50.0000	44.8
	9 1,3-Dichlorobenzene	146	1.033	1.033	(0.955)	548915	50.0000	53.0
*	10 1,4-Dichlorobenzene-d4	152	1.081	1.081	(1.000)	210315	40.0000	
	11 1,4-Dichlorobenzene +	146	1.097	1.097	(1.015)	555236	50.0000	54.0
	12 Benzyl alcohol	108	1.230	1.230	(1.139)	354148	50.0000	48.5
	13 1,2-Dichlorobenzene	146	1.209	1.209	(1.119)	525719	50.0000	53.2

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.348	1.348	(1.247)	496518	50.0000	48.9
	14 Bis(2-chloroisopropyl)ether	45	1.332	1.332	(1.233)	841837	50.0000	56.9
	17 3- & 4-Methylphenol	108	1.466	1.466	(1.356)	509498	50.0000	51.8
	16 N-Nitroso-di-n-propylamine++	70	1.434	1.434	(1.327)	396131	50.0000	43.7
	18 Hexachloroethane	117	1.450	1.450	(1.341)	219111	50.0000	57.0
$	19 Nitrobenzene-d5	82	1.503	1.503	(0.764)	584632	50.0000	54.8
	20 Nitrobenzene	77	1.519	1.519	(0.772)	587941	50.0000	53.9
	21 Isophorone	82	1.690	1.690	(0.859)	1000375	50.0000	51.3
	22 2-Nitrophenol +	139	1.733	1.733	(0.880)	247346	50.0000	52.1
	23 2,4-Dimethyphenol	107	1.813	1.813	(0.921)	493887	50.0000	51.6
	24 bis(-2-Chloroethoxy)methane	93	1.862	1.862	(0.946)	577144	50.0000	53.5
	25 Benzoic Acid	122	1.942	1.942	(0.986)	196941	50.0000	56.3
	26 2,4-Dichlorophenol +	162	1.910	1.910	(0.970)	344363	50.0000	54.2
	27 1,2,4-Trichlorobenzene	180	1.942	1.942	(0.986)	376720	50.0000	51.2
*	28 Naphthalene-d8	136	1.969	1.969	(1.000)	795291	40.0000	
	29 Naphthalene	128	1.979	1.979	(1.005)	1235868	50.0000	53.0
	30 4-Chloroaniline	127	2.043	2.043	(1.038)	381135	50.0000	47.3
	31 Hexachlorobutadiene +	225	2.081	2.081	(1.057)	243790	50.0000	51.6
	32 4-Chloro-3-Methylphenol +	107	2.391	2.391	(1.215)	384361	50.0000	51.6
	33 2-Methylnaphthalene	142	2.418	2.418	(1.228)	851024	50.0000	50.9(H)
	145 1-Methylnapthalene	142	2.471	2.471	(1.255)	697994	50.0000	51.5
	34 Hexachlorocyclopentadiene ++	237	2.525	2.525	(0.830)	241338	50.0000	53.1
	35 2,4,6-Trichlorophenol +	196	2.610	2.610	(0.858)	209710	50.0000	52.4
	36 2,4,5-Trichlorphenol	196	2.642	2.642	(0.868)	223173	50.0000	53.9
$	37 2-Fluorobiphenyl	172	2.659	2.659	(0.873)	758862	50.0000	53.3
	38 2-Chloronaphthalene	162	2.707	2.707	(0.889)	626083	50.0000	57.2
	39 2-Nitroaniline	138	2.792	2.792	(0.917)	206179	50.0000	53.2
	40 Dimethylphthalate	163	2.926	2.926	(0.961)	600661	50.0000	52.6
	41 2,6-Dinitrotoluene	165	2.953	2.953	(0.970)	155990	50.0000	54.5
	42 Acenaphthylene	152	2.953	2.953	(0.970)	978662	50.0000	55.0
	43 3-Nitroaniline	138	3.049	3.049	(1.002)	150805	50.0000	52.1
*	44 Acenaphthene-d10	164	3.044	3.044	(1.000)	400507	40.0000	
	45 Acenaphthene +	153	3.060	3.060	(1.005)	674802	50.0000	52.2
	46 2,4-Dinitrophenol ++	184	3.113	3.113	(1.023)	104961	50.0000	54.3(M)
	49 4-Nitrophenol ++	109	3.204	3.204	(1.053)	89603	50.0000	61.4
	47 Dibenzofuran	168	3.167	3.167	(1.040)	912027	50.0000	53.2
	48 2,4-Dinitrotoluene	165	3.193	3.193	(1.049)	211044	50.0000	55.6
	50 Diethylphthalate	149	3.359	3.359	(1.104)	595114	50.0000	55.0
	52 4-Chlorophenyl-phenylether	204	3.391	3.391	(1.114)	315266	50.0000	53.1
	51 Fluorene	166	3.370	3.370	(1.107)	719326	50.0000	53.1
	53 4-Nitroaniline	138	3.418	3.418	(1.123)	146664	50.0000	58.1
	54 4,6-Dinitro-o-cresol	198	3.434	3.434	(0.875)	139293	50.0000	53.6
	55 N-nitrosodiphenylamine (1)+	169	3.472	3.472	(0.884)	446679	50.0000	52.0
	56 Azobenzene	77	3.488	3.488	(0.888)	863891	50.0000	55.2
$	57 2,4,6-Tribromophenol	332	3.525	3.525	(1.158)	91094	50.0000	50.9
	58 4-Bromophenyl-phenylether	248	3.680	3.680	(0.937)	160708	50.0000	50.7
	59 Hexachlorobenzene	284	3.702	3.702	(0.943)	212617	50.0000	50.8

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
Compounds								
60	Pentachlorophenol +	266	3.835	3.835	(0.977)	133795	50.0000	52.3
* 61	Phenanthrene-d10	188	3.926	3.926	(1.000)	582377	40.0000	
62	Phenanthrene	178	3.942	3.942	(1.004)	923688	50.0000	52.4
63	Anthracene	178	3.969	3.969	(1.011)	923989	50.0000	53.3
64	Carbazole	167	4.087	4.087	(1.041)	754340	50.0000	55.6
65	Di-n-butylphthalate	149	4.343	4.343	(1.106)	900484	50.0000	57.8
67	Fluoranthene +	202	4.648	4.648	(1.184)	886937	50.0000	58.5
68	Benzidine	184	4.766	4.766	(0.858)	45751	50.0000	27.6
69	Pyrene	202	4.777	4.777	(0.860)	926737	50.0000	43.9
$ 70	Terphenyl-d14	244	4.910	4.910	(0.884)	634547	50.0000	45.6
71	Butylbenzylphthalate	149	5.242	5.242	(0.944)	392376	50.0000	51.5
73	3,3'-Dichlorobenzidine	252	5.563	5.563	(1.002)	248800	50.0000	57.0
72	Benzo(a)anthracene	228	5.547	5.547	(0.999)	839970	50.0000	52.8
* 74	Chrysene-d12	240	5.552	5.552	(1.000)	523741	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.664	5.664	(1.020)	520817	50.0000	53.3
75	Chrysene	228	5.568	5.568	(1.003)	898466	50.0000	51.0
77	Di-n-octylphthalate +	149	6.135	6.135	(1.105)	831345	50.0000	57.9
78	Benzo(b)fluoranthene	252	6.296	6.296	(0.961)	639528	50.0000	51.9
79	Benzo(k)fluoranthene	252	6.312	6.312	(0.963)	1115020	50.0000	55.3
80	Benzo(a)pyrene +	252	6.515	6.515	(0.994)	772063	50.0000	54.4
* 81	Perylene-d12	264	6.552	6.552	(1.000)	481696	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.264	7.264	(1.308)	546019	50.0000	37.6
83	Dibenzo(a,h)anthracene	278	7.285	7.285	(1.112)	775777	50.0000	52.2
84	Benzo(g,h,i)perylene	276	7.424	7.424	(1.133)	877282	50.0000	55.5
M 66	Total Methylphenol	108				1006016	100.000	101
91	Acetophenone	105	1.407	1.407	(1.302)	630332	50.0000	49.2
155	Benzaldehyde	77	0.797	0.797	(0.738)	51951	50.0000	5.19(a)
156	Caprolactam	113	2.284	2.284	(1.160)	113413	50.0000	51.9
157	Biphenyl	154	2.712	2.712	(1.378)	857313	50.0000	49.5
158	Atrazine	200	3.819	3.819	(0.973)	144659	50.0000	54.4
174	1,4-Dioxane	88	0.268	0.268	(0.248)	50636	50.0000	43.7

QC Flag Legend

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

Data File: /var/chem/MSSV5.i/2060807.s.b/d1118.d

Page 1

Date : 07-AUG-2006 10:16

Client ID: STD050

Instrument: MSSV5.i

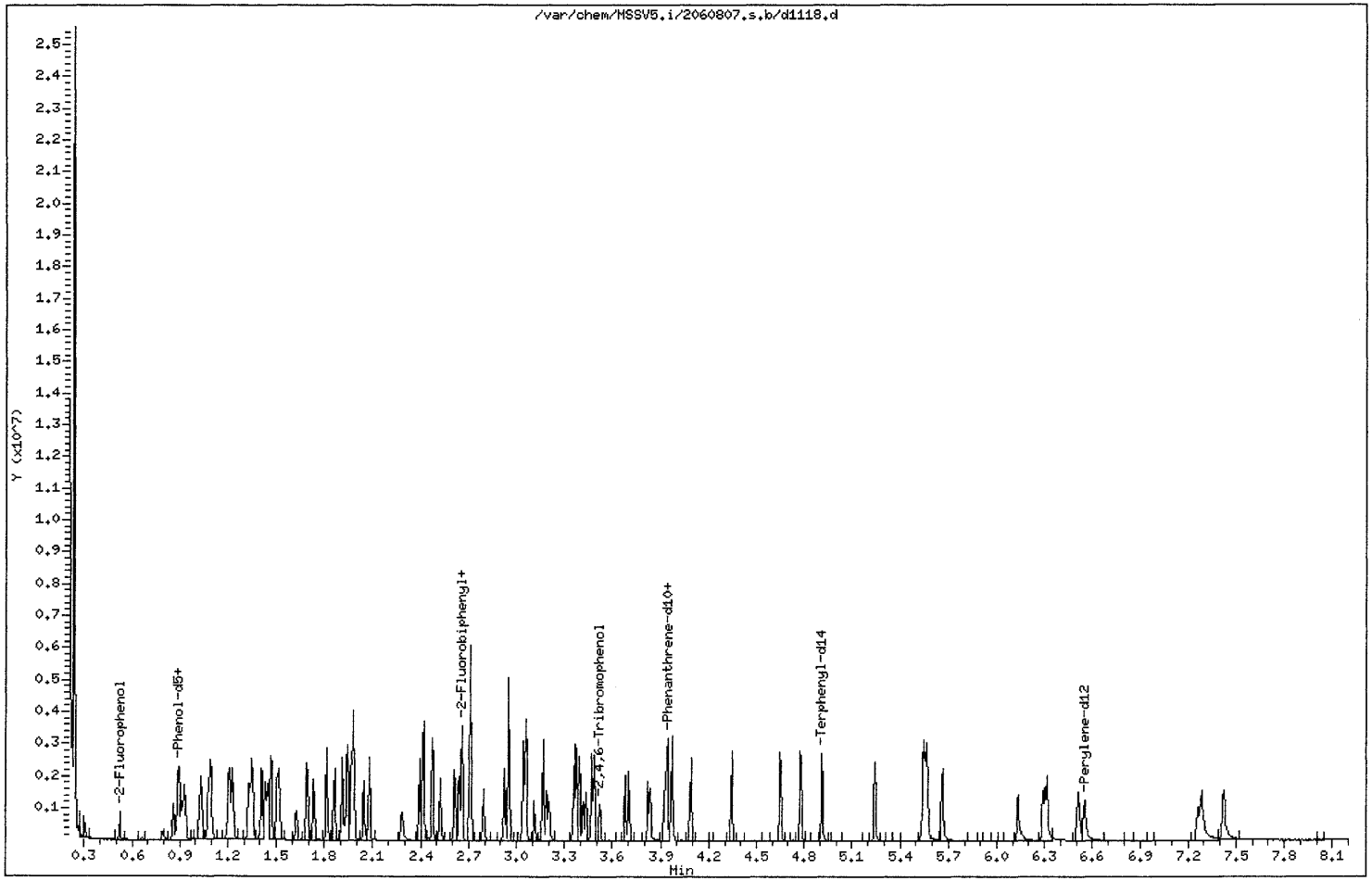
Sample Info: 1400*4-57-9*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

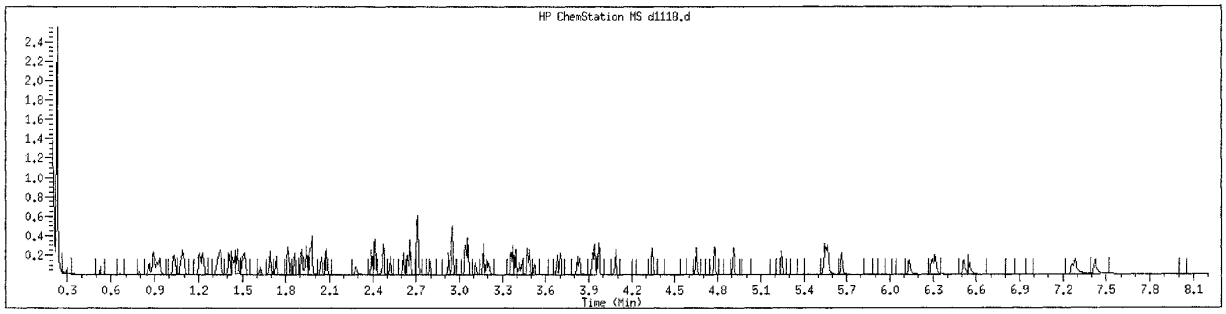
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060807.s.b/d1118.d Page: 1
Report Date: 08/07/2006 11:14

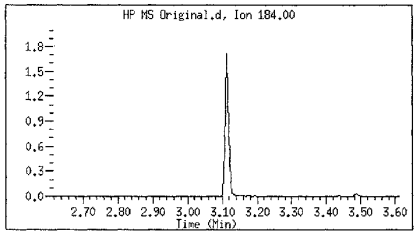
MANUAL INTEGRATION GRAPHIC REPORT

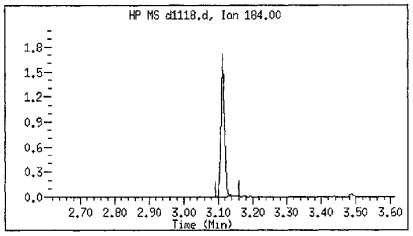
Lab ID : 1400 SampleType : CCALIB_5
Injection Date: 07-AUG-2006 10:16 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1400*4-57-9*
Misc Info : STD050*MSSV~3870~*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5





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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: MB397846
Contract:
Lab File ID: 2060807/D1119
Lab Sample ID: 397846
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1042
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.010	U	0.000258	0.010
120-12-7	Anthracene	0.00200	U	0.000350	0.00200
56-55-3	Benzo(a)anthracene	0.010	U	0.000205	0.010
92-87-5	Benzidine	0.040	U	0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000244	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000278	0.010
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000199	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000130	0.010
65-85-0	Benzoic acid	0.050	U	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.010	U	0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000192	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000357	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000283	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.000585	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000393	0.010
86-74-8	Carbazole	0.010	U	0.000214	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000355	0.010
218-01-9	Chrysene	0.010	U	0.000311	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000287	0.010
132-64-9	Dibenzofuran	0.010	U	0.000228	0.010
91-94-1	3,3'-Dichlorobenzidine	0.020	U	0.000307	0.020
120-83-2	2,4-Dichlorophenol	0.010	U	0.000292	0.010
84-66-2	Diethylphthalate	0.010	U	0.000342	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.00600	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000206	0.010
117-84-0	Di-n-octylphthalate	0.010	U	0.000337	0.010
51-28-5	2,4-Dinitrophenol	0.050	U	0.00218	0.050
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000354	0.010
206-44-0	Fluoranthene	0.00200	U	0.000231	0.00200

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: MB397846
Contract:
Lab File ID: 2060807/D1119
Lab Sample ID: 397846
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1042
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.010	U	0.000230	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000291	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.00185	0.010
67-72-1	Hexachloroethane	0.00500	U	0.00145	0.00500
78-59-1	Isophorone	0.010	U	0.000271	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000240	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000216	0.010
95-48-7	o-Cresol	0.010	U	0.000240	0.010
98-95-3	Nitrobenzene	0.010	U	0.000226	0.010
88-75-5	2-Nitrophenol	0.010	U	0.000378	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.00113	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000270	0.010
85-01-8	Phenanthrene	0.00200	U	0.000191	0.00200
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000373	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000420	0.010
100-51-6	Benzyl alcohol	0.010	U	0.000265	0.010
62-53-3	Aniline	0.010	U	0.000340	0.010
110-86-1	Pyridine	0.010	U	0.00365	0.010
105-60-2	Caprolactam	0.010	U	0.000309	0.010
98-86-2	Acetophenone	0.010	U	0.000397	0.010
99-09-2	3-Nitroaniline	0.050	U	0.000293	0.050
100-01-6	4-Nitroaniline	0.050	U	0.000821	0.050
84-74-2	Di-n-butylphthalate	0.00500	U	0.000735	0.00500
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000204	0.010
88-74-4	2-Nitroaniline	0.050	U	0.000981	0.050
91-58-7	2-Chloronaphthalene	0.010	U	0.000326	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000341	0.010
1912-24-9	Atrazine (Aatrex)	0.020	U	0.000473	0.020
100-52-7	Benzaldehyde	0.020	U	0.000470	0.020

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: MB397846
Contract:
Lab File ID: 2060807/D1119
Lab Sample ID: 397846
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1042
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.010	U	0.000176	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000933	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.050	U	0.000759	0.050
108-95-2	Phenol	0.010	U	0.000132	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000321	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000246	0.010
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000283	0.010
83-32-9	Acenaphthene	0.010	U	0.000219	0.010
100-02-7	4-Nitrophenol	0.050	U	0.00175	0.050
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000400	0.010
87-86-5	Pentachlorophenol	0.050	U	0.00187	0.050
129-00-0	Pyrene	0.00200	U	0.000234	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1119.d
Lab Smp Id: 397846 Client Smp ID: 0805SBLK
Inj Date : 07-AUG-2006 10:42
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 397846*BLK
Misc Info : 0805SBLK*MSSV~3870~*BLK*1000-1*329585*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 12:40 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 4 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/(Vo * Vi) * CpndVariable

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
$	3 2-Fluorophenol	112	0.524	0.524	(0.485)	99257	49.3525	49.4
$	4 Phenol-d5	99	0.883	0.888	(0.817)	284731	30.3411	30.3
*	10 1,4-Dichlorobenzene-d4	152	1.081	1.081	(1.000)	219167	40.0000	
$	19 Nitrobenzene-d5	82	1.503	1.503	(0.766)	497345	43.5362	43.5
*	28 Naphthalene-d8	136	1.963	1.969	(1.000)	852205	40.0000	
$	37 2-Fluorobiphenyl	172	2.658	2.659	(0.875)	637821	39.5933	39.6
*	44 Acenaphthene-d10	164	3.038	3.044	(1.000)	452873	40.0000	
$	57 2,4,6-Tribromophenol	332	3.520	3.525	(1.158)	181034	89.5130	89.5
*	61 Phenanthrene-d10	188	3.926	3.926	(1.000)	645314	40.0000	
$	70 Terphenyl-d14	244	4.910	4.910	(0.885)	528799	46.0216	46.0
*	74 Chrysene-d12	240	5.547	5.552	(1.000)	432244	40.0000	
*	81 Perylene-d12	264	6.552	6.552	(1.000)	402982	40.0000	

Data File: /var/chem/MSSV5.i/2060807.s.b/d1119.d

Page 1

Date : 07-AUG-2006 10:42

Client ID: 0805SBLK

Instrument: MSSV5.i

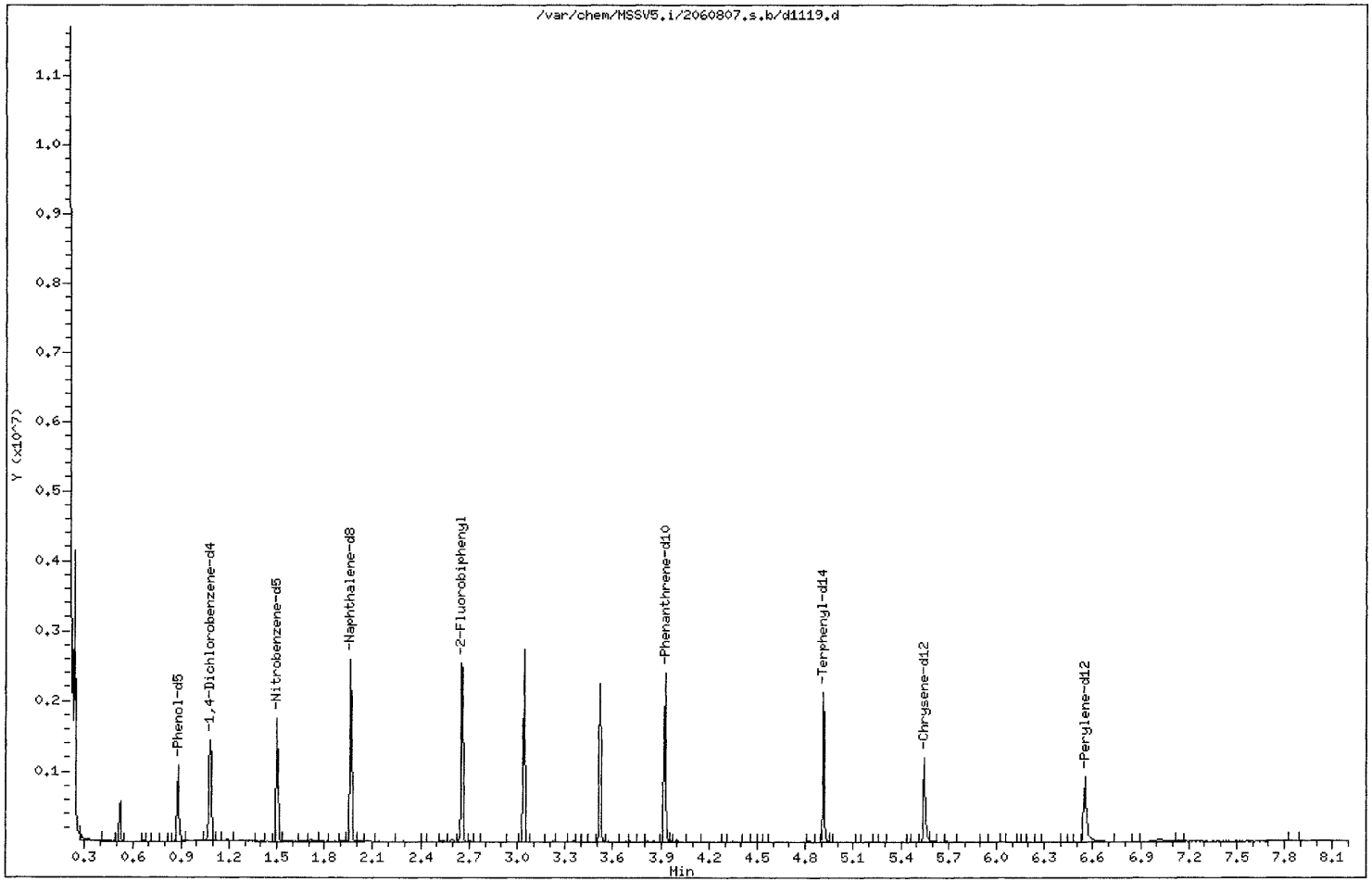
Sample Info: 397846*BLK

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

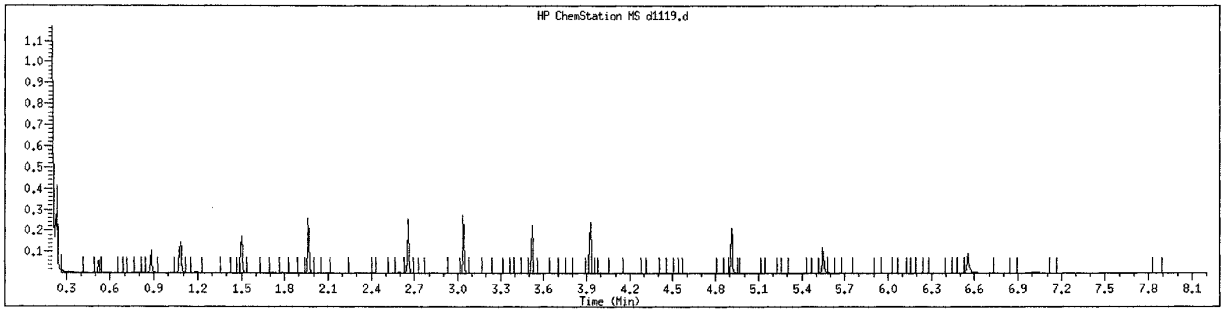
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060807.s.b/d1119.d Page: 1
Report Date: 08/07/2006 12:45

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 397846 SampleType : BLANK
Injection Date: 07-AUG-2006 10:42 Instrument : MSSV5.i
Operator : jar3
Sample Info : 397846*BLK
Misc Info : 0805SBLK*MSSV~3870~*BLK*1000-1*329585*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

000857

167318

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: MB397866
Contract:
Lab File ID: 2060805/D1050
Lab Sample ID: 397866
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2027
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.066	U	0.00975	0.066
120-12-7	Anthracene	0.066	U	0.00945	0.066
56-55-3	Benzo(a)anthracene	0.066	U	0.00880	0.066
92-87-5	Benzidine	1.32	U	0.045	1.32
205-99-2	Benzo(b)fluoranthene	0.330	U	0.00612	0.330
207-08-9	Benzo(k)fluoranthene	0.330	U	0.014	0.330
191-24-2	Benzo(g,h,i)perylene	0.330	U	0.00875	0.330
50-32-8	Benzo(a)pyrene	0.066	U	0.00874	0.066
65-85-0	Benzoic acid	1.67	U	0.154	1.67
85-68-7	Butylbenzylphthalate	0.330	U	0.011	0.330
111-91-1	Bis(2-Chloroethoxy)methane	0.330	U	0.011	0.330
111-44-4	Bis(2-Chloroethyl)ether	0.330	U	0.010	0.330
108-60-1	bis(2-Chloroisopropyl)ether	0.330	U	0.013	0.330
117-81-7	bis(2-ethylhexyl)phthalate	0.024	J	0.00890	0.066
101-55-3	4-Bromophenyl-phenylether	0.330	U	0.00806	0.330
86-74-8	Carbazole	0.330	U	0.00853	0.330
7005-72-3	4-Chlorophenyl-phenylether	0.330	U	0.00878	0.330
218-01-9	Chrysene	0.330	U	0.00772	0.330
53-70-3	Dibenz(a,h)anthracene	0.066	U	0.00835	0.066
132-64-9	Dibenzofuran	0.330	U	0.012	0.330
91-94-1	3,3'-Dichlorobenzidine	0.660	U	0.041	0.660
120-83-2	2,4-Dichlorophenol	0.330	U	0.00861	0.330
84-66-2	Diethylphthalate	0.330	U	0.015	0.330
105-67-9	2,4-Dimethylphenol	0.330	U	0.022	0.330
131-11-3	Dimethyl-phthalate	0.330	U	0.011	0.330
117-84-0	Di-n-octylphthalate	0.330	U	0.00719	0.330
51-28-5	2,4-Dinitrophenol	1.67	U	0.057	1.67
606-20-2	2,6-Dinitrotoluene	0.330	U	0.00800	0.330
206-44-0	Fluoranthene	0.330	U	0.00972	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: MB397866
Contract:
Lab File ID: 2060805/D1050
Lab Sample ID: 397866
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2027
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.066	U	0.00849	0.066
118-74-1	Hexachlorobenzene	0.330	U	0.011	0.330
77-47-4	Hexachlorocyclopentadiene	0.330	U	0.00716	0.330
67-72-1	Hexachloroethane	0.330	U	0.014	0.330
78-59-1	Isophorone	0.330	U	0.00841	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U	0.014	0.330
91-57-6	2-Methylnaphthalene	0.066	U	0.00935	0.066
95-48-7	o-Cresol	0.330	U	0.013	0.330
98-95-3	Nitrobenzene	0.330	U	0.012	0.330
88-75-5	2-Nitrophenol	0.330	U	0.013	0.330
62-75-9	N-Nitrosodimethylamine	0.330	U	0.043	0.330
86-30-6	N-Nitrosodiphenylamine	0.330	U	0.00985	0.330
85-01-8	Phenanthrene	0.066	U	0.011	0.066
95-95-4	2,4,5-Trichlorophenol	0.330	U	0.00672	0.330
88-06-2	2,4,6-Trichlorophenol	0.330	U	0.015	0.330
100-51-6	Benzyl alcohol	0.330	U	0.00976	0.330
62-53-3	Aniline	0.330	U	0.00640	0.330
110-86-1	Pyridine	0.330	U	0.020	0.330
105-60-2	Caprolactam	0.330	U	0.068	0.330
98-86-2	Acetophenone	0.330	U	0.00710	0.330
99-09-2	3-Nitroaniline	1.67	U	0.00910	1.67
100-01-6	4-Nitroaniline	1.67	U	0.024	1.67
84-74-2	Di-n-butylphthalate	0.330	U	0.025	0.330
122-66-7	1,2 Diphenylhydrazine	0.330	U	0.00716	0.330
88-74-4	2-Nitroaniline	1.67	U	0.022	1.67
91-58-7	2-Chloronaphthalene	0.330	U	0.00892	0.330
106-47-8	4-Chloroaniline	0.330	U	0.029	0.330
1912-24-9	Atrazine (Aatrex)	0.660	U	0.017	0.660
100-52-7	Benzaldehyde	0.660	U	0.025	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: MB397866
Contract:
Lab File ID: 2060805/D1050
Lab Sample ID: 397866
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2027
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.171	J	0.00970	0.330
1319-77-3M	m,p-Cresol	0.330	U	0.012	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	1.67	U	0.017	1.67
108-95-2	Phenol	0.330	U	0.011	0.330
95-57-8	2-Chlorophenol	0.330	U	0.00528	0.330
621-64-7	N-Nitroso-di-n-propylamine	0.066	U	0.00893	0.066
59-50-7	4-Chloro-3-methylphenol	0.330	U	0.013	0.330
83-32-9	Acenaphthene	0.066	U	0.00861	0.066
100-02-7	4-Nitrophenol	1.67	U	0.043	1.67
121-14-2	2,4-Dinitrotoluene	0.330	U	0.015	0.330
87-86-5	Pentachlorophenol	1.67	U	0.086	1.67
129-00-0	Pyrene	0.330	U	0.010	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1050.d
Lab Smp Id: 397866 Client Smp ID: 0804BLK
Inj Date : 05-AUG-2006 20:27
Operator : rrr Inst ID: MSSV5.i
Smp Info : 397866*BLK*
Misc Info : 0804BLK*MSSV~3868~*BLK*30.0-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 40 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)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.540	0.540	(0.481)	193360	66.9502	2230
$ 4 Phenol-d5	99	0.920	0.920	(0.819)	794675	58.9689	1970
* 10 1,4-Dichlorobenzene-d4	152	1.123	1.123	(1.000)	314730	40.0000	
$ 19 Nitrobenzene-d5	82	1.541	1.546	(0.770)	525592	34.9287	1160
* 28 Naphthalene-d8	136	2.001	2.000	(1.000)	1122541	40.0000	
$ 37 2-Fluorobiphenyl	172	2.691	2.690	(0.876)	747378	37.3851	1250
* 44 Acenaphthene-d10	164	3.070	3.076	(1.000)	562006	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.552	3.557	(1.157)	175107	69.7694	2330
* 61 Phenanthrene-d10	188	3.958	3.958	(1.000)	798822	40.0000	
$ 70 Terphenyl-d14	244	4.942	4.942	(0.885)	767645	37.3986	1250
* 74 Chrysene-d12	240	5.584	5.589	(1.000)	772157	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	5.697	5.696	(1.020)	5416	0.71536	23.8
* 81 Perylene-d12	264	6.595	6.595	(1.000)	866644	40.0000	
157 Biphenyl	154	2.739	2.744	(1.345)	2103	5.12419	171 (MH)

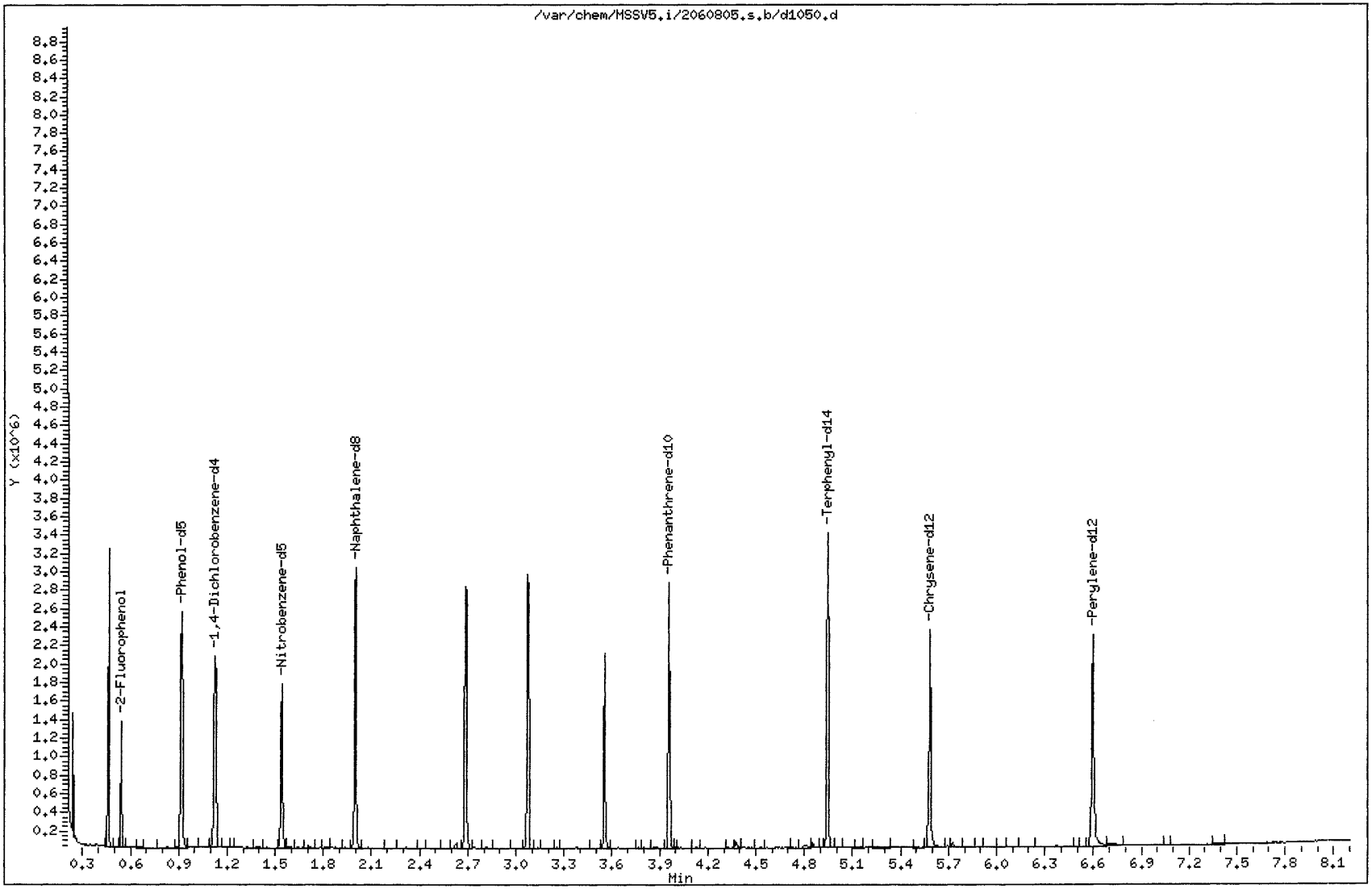
QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000863

Data File: /var/chem/MSSV5.i/2060805.s.b/d1050.d
Date : 05-AUG-2006 20:27
Client ID: 0804BLK
Sample Info: 397866*BLK*
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/2060805.s.b/d1050.d

Date : 05-AUG-2006 20:27

Client ID: 0804BLK

Instrument: MSSV5.i

Sample Info: 397866*BLK*

Volume Injected (uL): 1.0

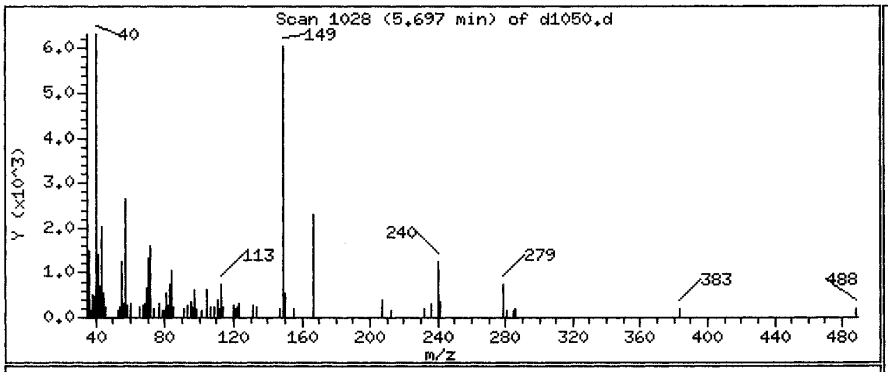
Operator: rrr

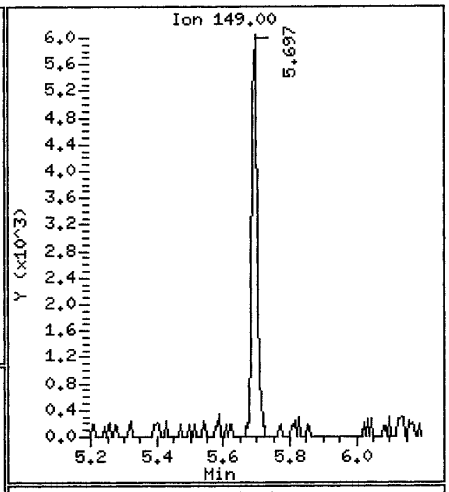
Column phase: RTX-5MS-30M

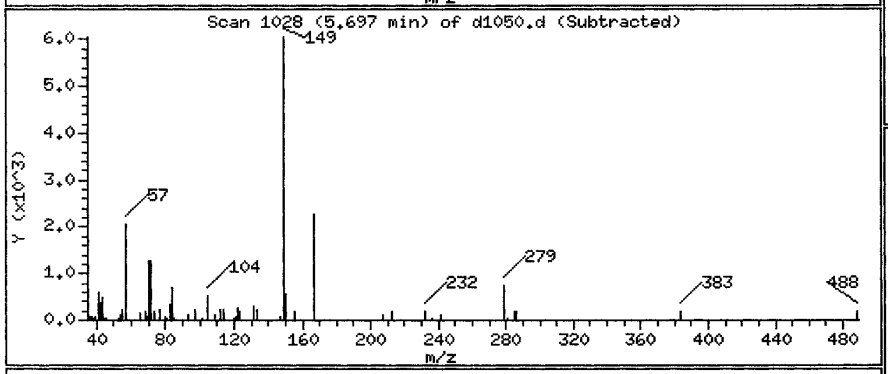
Column diameter: 0.25

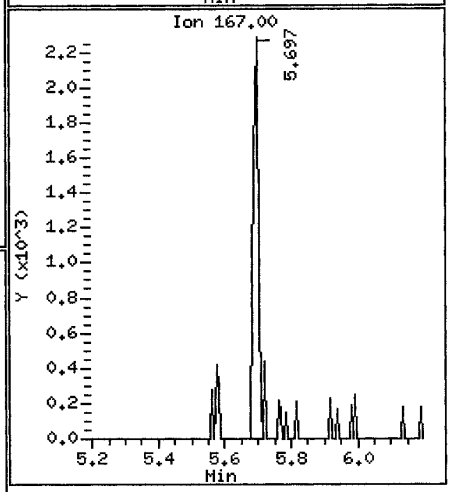
76 bis(2-Ethylhexyl)phthalate

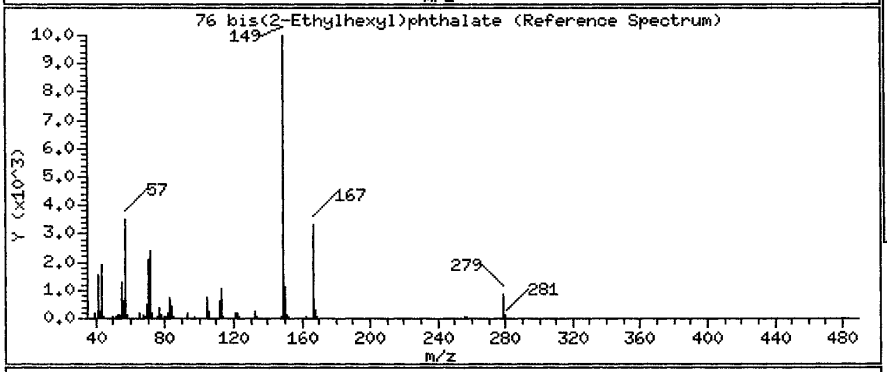
Concentration: 23.8 ug/Kg

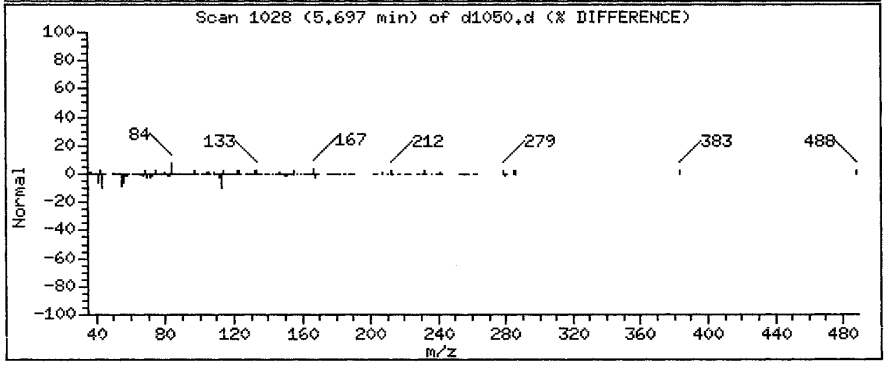












000864

167325

Data File: /var/chem/MSSV5.i/2060805.s.b/d1050.d

Date : 05-AUG-2006 20:27

Client ID: 0804BLK

Instrument: MSSV5.i

Sample Info: 397866*BLK*

Volume Injected (uL): 1.0

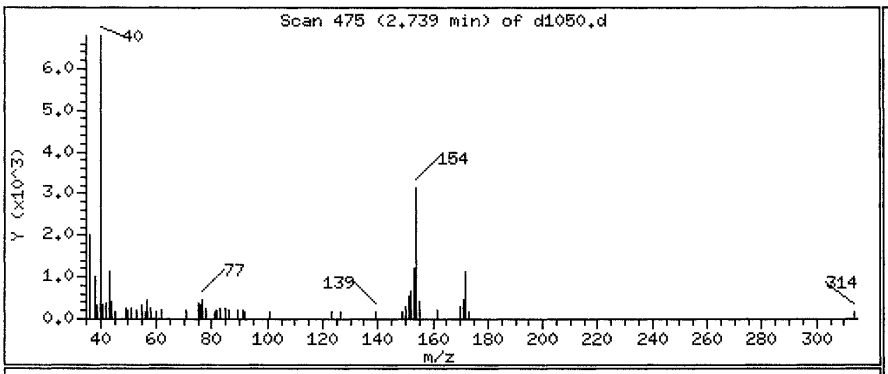
Operator: rrr

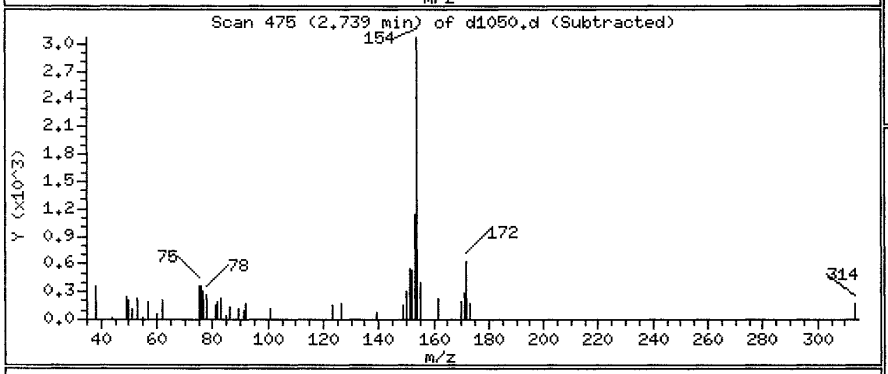
Column phase: RTX-5MS-30M

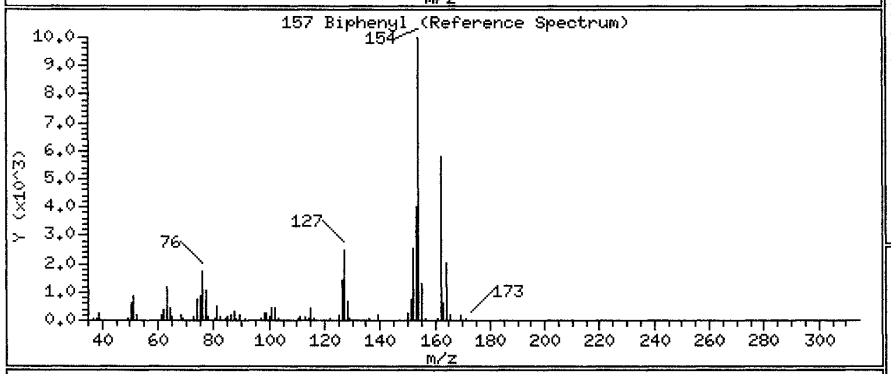
Column diameter: 0.25

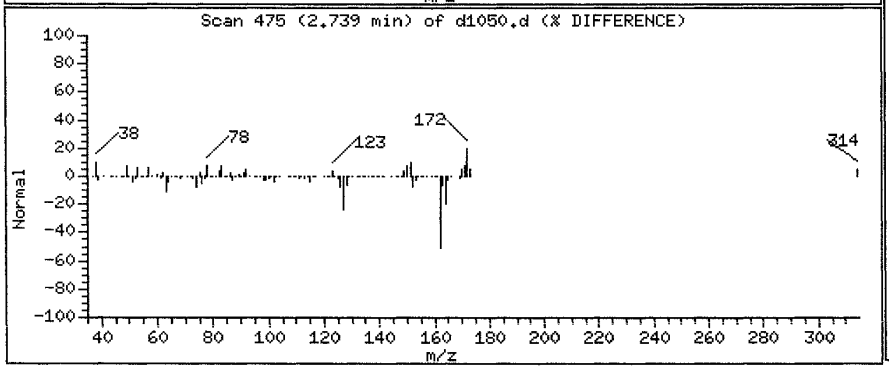
157 Biphenyl

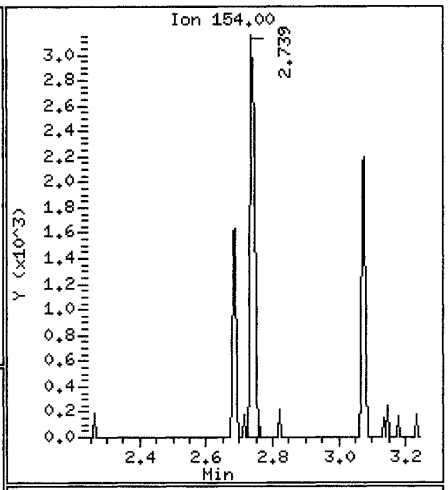
Concentration: 171 ug/Kg

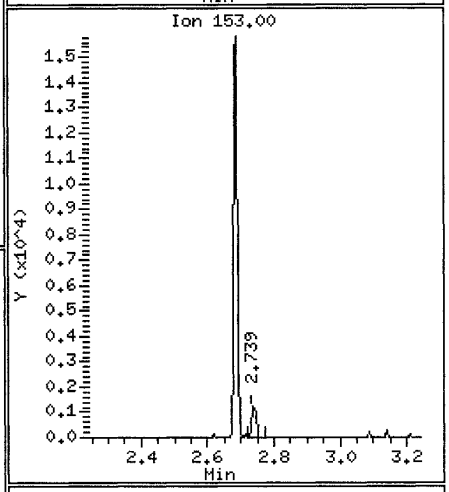


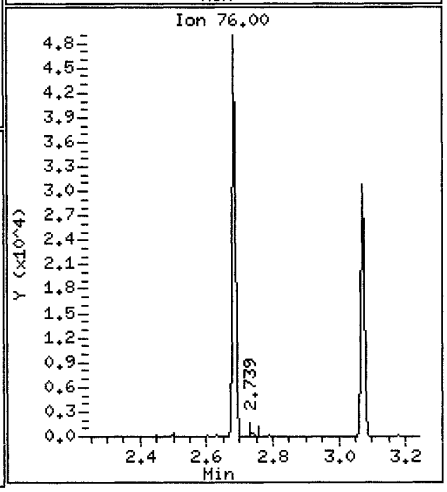










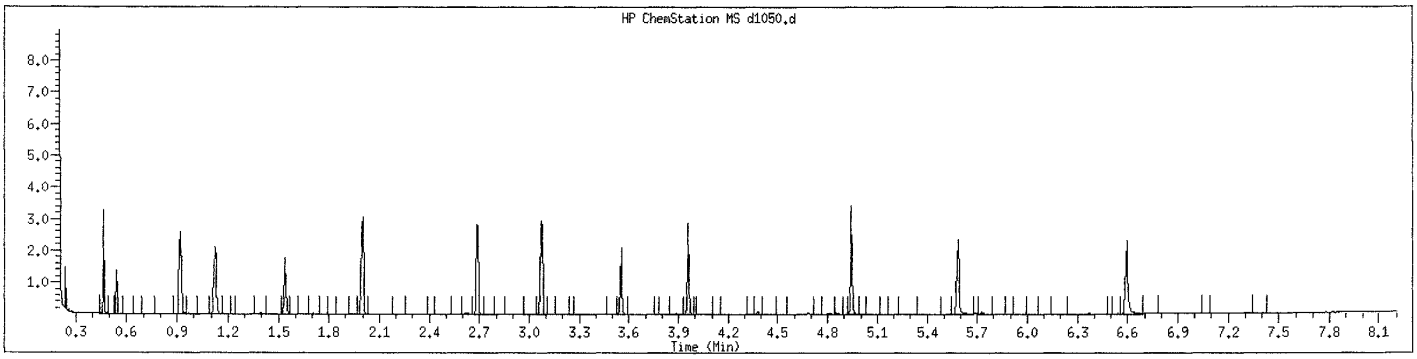


000865

Data file : /var/chem/MSSV5.i/2060805.s.b/d1050.d Page: 1
Report Date: 08/06/2006 09:27

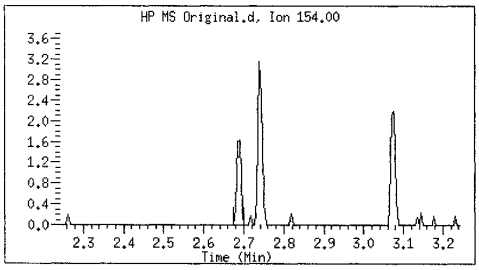
MANUAL INTEGRATION GRAPHIC REPORT

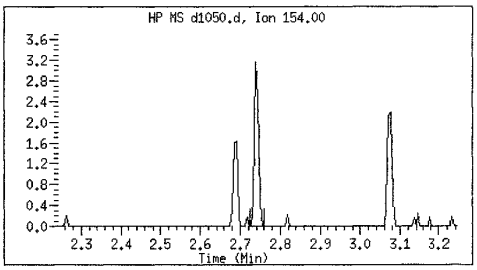
Lab ID : 397866 SampleType : BLANK
Injection Date: 05-AUG-2006 20:27 Instrument : MSSV5.i
Operator : rrr
Sample Info : 397866*BLK*
Misc Info : 0804BLK*MSSV~3868~*BLK*30.0-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

157 Biphenyl CAS#: 92-52-4





000866

167327

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS397847
Contract:
Lab File ID: 2060807/D1120
Lab Sample ID: 397847
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1057
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.082		0.000258	0.010
120-12-7	Anthracene	0.087		0.000350	0.00200
56-55-3	Benzo(a)anthracene	0.081		0.000205	0.010
92-87-5	Benzidine	0.021	J	0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.089		0.000244	0.010
207-08-9	Benzo(k)fluoranthene	0.090		0.000278	0.010
191-24-2	Benzo(g,h,i)perylene	0.094		0.000199	0.010
50-32-8	Benzo(a)pyrene	0.095		0.000130	0.010
65-85-0	Benzoic acid	0.041	J	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.085		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.086		0.000192	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.069		0.000357	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.088		0.000283	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.086		0.000585	0.010
101-55-3	4-Bromophenyl-phenylether	0.090		0.000393	0.010
86-74-8	Carbazole	0.097		0.000214	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.086		0.000355	0.010
218-01-9	Chrysene	0.086		0.000311	0.010
53-70-3	Dibenz(a,h)anthracene	0.090		0.000287	0.010
132-64-9	Dibenzofuran	0.079		0.000228	0.010
91-94-1	3,3'-Dichlorobenzidine	0.101		0.000307	0.020
120-83-2	2,4-Dichlorophenol	0.079		0.000292	0.010
84-66-2	Diethylphthalate	0.088		0.000342	0.010
105-67-9	2,4-Dimethylphenol	0.072		0.00600	0.010
131-11-3	Dimethyl-phthalate	0.087		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.099		0.000337	0.010
51-28-5	2,4-Dinitrophenol	0.076		0.00218	0.050
606-20-2	2,6-Dinitrotoluene	0.085		0.000354	0.010
206-44-0	Fluoranthene	0.091		0.000231	0.00200

167328

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS397847
Contract:
Lab File ID: 2060807/D1120
Lab Sample ID: 397847
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1057
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.081		0.000230	0.010
118-74-1	Hexachlorobenzene	0.084		0.000291	0.010
77-47-4	Hexachlorocyclopentadiene	0.054		0.00185	0.010
67-72-1	Hexachloroethane	0.065		0.00145	0.00500
78-59-1	Isophorone	0.080		0.000271	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.097		0.000240	0.010
91-57-6	2-Methylnaphthalene	0.065		0.000216	0.010
95-48-7	o-Cresol	0.070		0.000240	0.010
98-95-3	Nitrobenzene	0.080		0.000226	0.010
88-75-5	2-Nitrophenol	0.075		0.000378	0.010
62-75-9	N-Nitrosodimethylamine	0.012		0.00113	0.010
86-30-6	N-Nitrosodiphenylamine	0.091		0.000270	0.010
85-01-8	Phenanthrene	0.083		0.000191	0.00200
95-95-4	2,4,5-Trichlorophenol	0.082		0.000373	0.010
88-06-2	2,4,6-Trichlorophenol	0.082		0.000420	0.010
100-51-6	Benzyl alcohol	0.069		0.000265	0.010
62-53-3	Aniline	0.051		0.000340	0.010
110-86-1	Pyridine	0.021		0.00365	0.010
105-60-2	Caprolactam	0.029		0.000309	0.010
98-86-2	Acetophenone	0.086		0.000397	0.010
99-09-2	3-Nitroaniline	0.089		0.000293	0.050
100-01-6	4-Nitroaniline	0.100		0.000821	0.050
84-74-2	Di-n-butylphthalate	0.098		0.000735	0.00500
122-66-7	1,2 Diphenylhydrazine	0.092		0.000204	0.010
88-74-4	2-Nitroaniline	0.092		0.000981	0.050
91-58-7	2-Chloronaphthalene	0.078		0.000326	0.010
106-47-8	4-Chloroaniline	0.082		0.000341	0.010
1912-24-9	Atrazine (Aatrex)	0.109		0.000473	0.020
100-52-7	Benzaldehyde	0.137		0.000470	0.020

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS397847
Contract:
Lab File ID: 2060807/D1120
Lab Sample ID: 397847
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1057
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.076		0.000176	0.010
1319-77-3M	m,p-Cresol	0.069		0.000933	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.082		0.000759	0.050
108-95-2	Phenol	0.034		0.000132	0.010
95-57-8	2-Chlorophenol	0.064		0.000321	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.094		0.000246	0.010
59-50-7	4-Chloro-3-methylphenol	0.077		0.000283	0.010
83-32-9	Acenaphthene	0.077		0.000219	0.010
100-02-7	4-Nitrophenol	0.043	J	0.00175	0.050
121-14-2	2,4-Dinitrotoluene	0.085		0.000400	0.010
87-86-5	Pentachlorophenol	0.078		0.00187	0.050
129-00-0	Pyrene	0.079		0.000234	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1120.d
Lab Smp Id: 397847 Client Smp ID: 0805LCS
Inj Date : 07-AUG-2006 10:57
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 397847*LCS
Misc Info : 0805LCS*MSSV~3870~*LCS*1000-1*329585*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 12:46 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	2	Pyridine	79	0.300	0.305	(0.277)	46040	20.6395	20.6(M)
	1	n-Nitrosodimethylamine	42	0.300	0.300	(0.277)	16341	11.4998	11.5(R)
$	3	2-Fluorophenol	112	0.524	0.524	(0.485)	125995	57.2975	57.3
$	4	Phenol-d5	99	0.888	0.888	(0.822)	379549	36.9912	37.0
	5	Aniline	93	0.861	0.861	(0.797)	525541	51.0201	51.0
	6	Phenol +	94	0.893	0.893	(0.827)	426819	34.1498	34.1
	7	bis(-2-Chloroethyl)Ether	63	0.915	0.915	(0.847)	829355	68.8755	68.9
	8	2-Chlorophenol	128	0.931	0.931	(0.861)	643741	63.6535	63.7
	9	1,3-Dichlorobenzene	146	1.032	1.033	(0.955)	733017	62.1727	62.2
*	10	1,4-Dichlorobenzene-d4	152	1.080	1.081	(1.000)	239630	40.0000	
	11	1,4-Dichlorobenzene +	146	1.097	1.097	(1.015)	761936	65.0092	65.0
	12	Benzyl alcohol	108	1.236	1.230	(1.144)	577068	69.3388	69.3
	13	1,2-Dichlorobenzene	146	1.209	1.209	(1.119)	736954	65.4999	65.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	15 2-Methylphenol	108	1.353	1.348	(1.252)	805412	69.6871	69.7
	14 Bis(2-chloroisopropyl)ether	45	1.332	1.332	(1.233)	1486569	88.1090	88.1
	17 3- & 4-Methylphenol	108	1.471	1.466	(1.361)	773403	69.0105	69.0
	16 N-Nitroso-di-n-propylamine++	70	1.439	1.434	(1.332)	779279	93.6927	93.7
	18 Hexachloroethane	117	1.450	1.450	(1.342)	282708	64.5747	64.6
$	19 Nitrobenzene-d5	82	1.508	1.503	(0.766)	556753	42.4468	42.4
	20 Nitrobenzene	77	1.524	1.519	(0.774)	1071517	79.8296	79.8
	21 Isophorone	82	1.696	1.690	(0.861)	1910665	79.7031	79.7
	22 2-Nitrophenol +	139	1.738	1.733	(0.883)	435052	74.4728	74.5
	23 2,4-Dimethyphenol	107	1.819	1.813	(0.924)	845350	71.8516	71.9
	24 bis(-2-Chloroethoxy)methane	93	1.867	1.862	(0.948)	1143730	86.1495	86.1
	25 Benzoic Acid	122	1.942	1.942	(0.986)	176481	40.9745	41.0
	26 2,4-Dichlorophenol +	162	1.910	1.910	(0.970)	615624	78.7042	78.7
	27 1,2,4-Trichlorobenzene	180	1.942	1.942	(0.986)	563796	62.3256	62.3
*	28 Naphthalene-d8	136	1.968	1.969	(1.000)	978484	40.0000	
	29 Naphthalene	128	1.979	1.979	(1.005)	1985846	69.2406	69.2
	30 4-Chloroaniline	127	2.043	2.043	(1.038)	756469	82.2736	82.3
	31 Hexachlorobutadiene +	225	2.081	2.081	(1.057)	343235	59.0611	59.1
	32 4-Chloro-3-Methylphenol +	107	2.391	2.391	(1.215)	706675	77.1782	77.2
	33 2-Methylnaphthalene	142	2.418	2.418	(1.228)	1328213	64.5624	64.6
	145 1-Methylnapthalene	142	2.476	2.471	(1.258)	1254174	75.1867	75.2
	34 Hexachlorocyclopentadiene ++	237	2.525	2.525	(0.830)	296260	54.0607	54.1
	35 2,4,6-Trichlorophenol +	196	2.616	2.610	(0.859)	396359	82.1413	82.1
	36 2,4,5-Trichlorphenol	196	2.642	2.642	(0.868)	407363	81.7033	81.7
$	37 2-Fluorobiphenyl	172	2.658	2.659	(0.873)	702453	40.9270	40.9
	38 2-Chloronaphthalene	162	2.712	2.707	(0.891)	1022275	77.5666	77.6
	39 2-Nitroaniline	138	2.797	2.792	(0.919)	429489	92.0134	92.0
	40 Dimethylphthalate	163	2.931	2.926	(0.963)	1195639	86.9125	86.9
	41 2,6-Dinitrotoluene	165	2.958	2.953	(0.972)	292394	84.8368	84.8
	42 Acenaphthylene	152	2.958	2.953	(0.972)	1755558	81.9388	81.9
	43 3-Nitroaniline	138	3.054	3.049	(1.004)	311320	89.3193	89.3
*	44 Acenaphthene-d10	164	3.043	3.044	(1.000)	482510	40.0000	
	45 Acenaphthene +	153	3.065	3.060	(1.007)	1200622	77.0291	77.0
	46 2,4-Dinitrophenol ++	184	3.118	3.113	(1.025)	179852	75.5390	75.5(M)
	49 4-Nitrophenol ++	109	3.204	3.204	(1.053)	75231	42.8114	42.8
	47 Dibenzofuran	168	3.172	3.167	(1.042)	1628921	78.9148	78.9
	48 2,4-Dinitrotoluene	165	3.193	3.193	(1.049)	387362	84.7472	84.7
	50 Diethylphthalate	149	3.359	3.359	(1.104)	1149735	88.2023	88.2
	52 4-Chlorophenyl-phenylether	204	3.396	3.391	(1.116)	616498	86.1140	86.1
	51 Fluorene	166	3.375	3.370	(1.109)	1325357	81.2006	81.2
	53 4-Nitroaniline	138	3.423	3.418	(1.125)	302945	99.6527	99.7
	54 4,6-Dinitro-o-cresol	198	3.439	3.434	(0.875)	247638	82.0777	82.1
	55 N-nitrosodiphenylamine (1)+	169	3.477	3.472	(0.884)	907228	90.8790	90.9
	56 Azobenzene	77	3.487	3.488	(0.887)	1675424	92.1334	92.1
$	57 2,4,6-Tribromophenol	332	3.525	3.525	(1.158)	201652	93.5834	93.6
	58 4-Bromophenyl-phenylether	248	3.685	3.680	(0.937)	332460	90.3219	90.3
	59 Hexachlorobenzene	284	3.707	3.702	(0.943)	408006	83.9437	83.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	3.840	3.835	(0.977)	230656	77.6255	77.6
*	61 Phenanthrene-d10	188	3.931	3.926	(1.000)	676384	40.0000	
	62 Phenanthrene	178	3.942	3.942	(1.003)	1705134	83.3569	83.4
	63 Anthracene	178	3.974	3.969	(1.011)	1746482	86.7919	86.8
	64 Carbazole	167	4.092	4.087	(1.041)	1518750	96.4654	96.5
	65 Di-n-butylphthalate	149	4.343	4.343	(1.105)	1770035	97.7741	97.8
	67 Fluoranthene +	202	4.653	4.648	(1.184)	1594241	90.5242	90.5
	68 Benzidine	184	4.771	4.766	(0.859)	33571	20.6548	20.7
	69 Pyrene	202	4.782	4.777	(0.861)	1625011	78.5859	78.6
$	70 Terphenyl-d14	244	4.910	4.910	(0.884)	536148	39.3364	39.3
	71 Butylbenzylphthalate	149	5.242	5.242	(0.944)	633792	84.9532	85.0
	73 3,3'-Dichlorobenzidine	252	5.563	5.563	(1.002)	432452	101.239	101
	72 Benzo(a)anthracene	228	5.547	5.547	(0.999)	1283271	81.2424	81.2
*	74 Chrysene-d12	240	5.552	5.552	(1.000)	512732	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.664	5.664	(1.020)	827073	86.2665	86.3
	75 Chrysene	228	5.573	5.568	(1.004)	1482656	85.9472	85.9
	77 Di-n-octylphthalate +	149	6.135	6.135	(1.105)	1386327	98.6899	98.7
	78 Benzo(b)fluoranthene	252	6.295	6.296	(0.960)	1170077	88.5410	88.5
	79 Benzo(k)fluoranthene	252	6.317	6.312	(0.963)	1803273	89.7420	89.7
	80 Benzo(a)pyrene +	252	6.515	6.515	(0.993)	1349192	95.4036	95.4
*	81 Perylene-d12	264	6.558	6.552	(1.000)	479897	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.269	7.264	(1.309)	1592373	97.1403	97.1
	83 Dibenzo(a,h)anthracene	278	7.290	7.285	(1.112)	1416452	89.4986	89.5
	84 Benzo(g,h,i)perylene	276	7.429	7.424	(1.133)	1570600	94.1335	94.1
M	66 Total Methylphenol	108				1578815	138.698	139
	91 Acetophenone	105	1.412	1.407	(1.307)	1246886	85.4637	85.5
	155 Benzaldehyde	77	0.797	0.797	(0.738)	239884	137.340	137(R)
	156 Caprolactam	113	2.289	2.284	(1.163)	78081	29.0514	29.1
	157 Biphenyl	154	2.712	2.712	(1.378)	1485258	76.1850	76.2
	158 Atrazine	200	3.824	3.819	(0.973)	337369	109.249	109
	174 1,4-Dioxane	88	0.268	0.268	(0.248)	48722	36.9105	36.9

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060807.s.b/d1120.d

Page 1

Date : 07-AUG-2006 10:57

Client ID: 0805LCS

Instrument: MSSV5.i

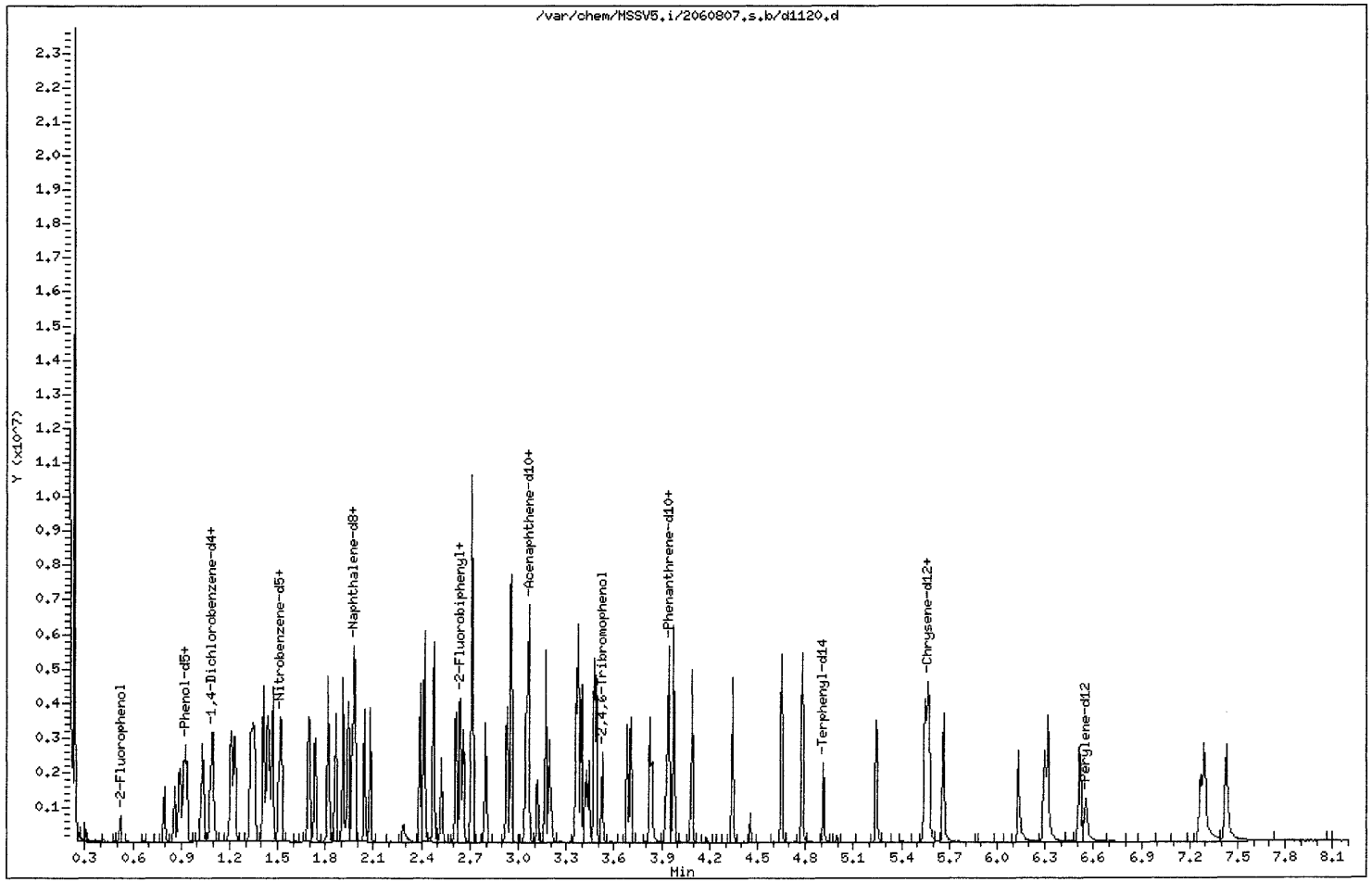
Sample Info: 397847%LCS

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

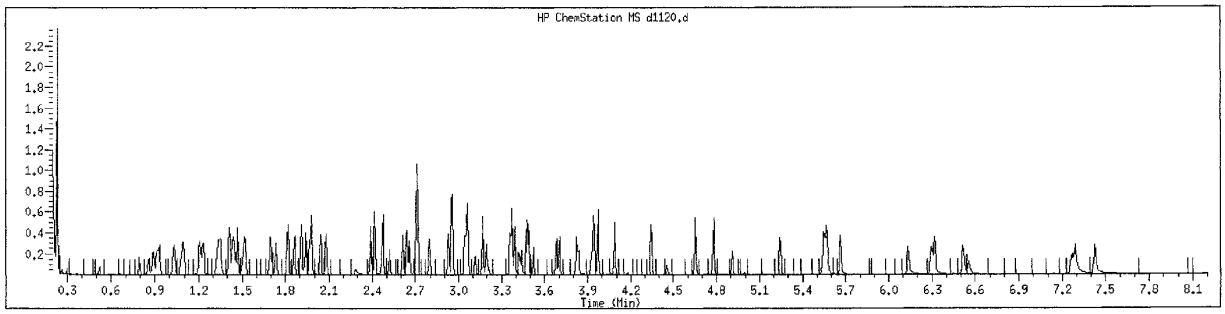
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060807.s.b/d1120.d Page: 1
Report Date: 08/07/2006 12:48

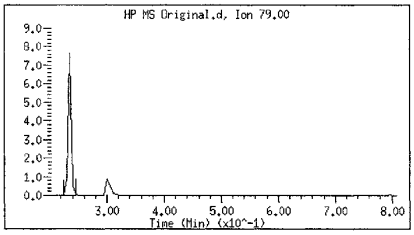
MANUAL INTEGRATION GRAPHIC REPORT

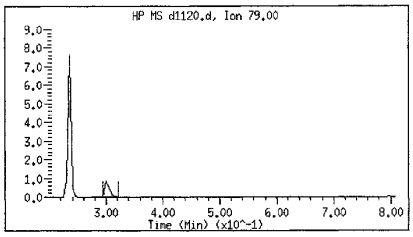
Lab ID : 397847 SampleType : LCS
Injection Date: 07-AUG-2006 10:57 Instrument : MSSV5.i
Operator : jar3
Sample Info : 397847*LCS
Misc Info : 0805LCS*MSSV~3870~*LCS*1000-1*329585*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



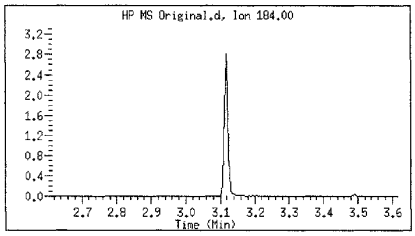
Original Final

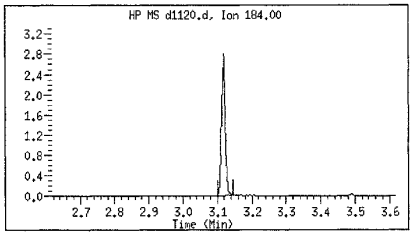
2 Pyridine CAS#: 110-86-1





46 2,4-Dinitrophenol ++ CAS#: 51-28-5





000874

167335

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: LCS397867
Contract:
Lab File ID: 2060805/D1051
Lab Sample ID: 397867
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2041
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	2.43		0.00975	0.066
120-12-7	Anthracene	2.50		0.00945	0.066
56-55-3	Benzo(a)anthracene	2.57		0.00880	0.066
92-87-5	Benzidine	1.72		0.045	1.32
205-99-2	Benzo(b)fluoranthene	2.70		0.00612	0.330
207-08-9	Benzo(k)fluoranthene	2.36		0.014	0.330
191-24-2	Benzo(g,h,i)perylene	2.05		0.00875	0.330
50-32-8	Benzo(a)pyrene	2.62		0.00874	0.066
65-85-0	Benzoic acid	1.60	J	0.154	1.67
85-68-7	Butylbenzylphthalate	2.46		0.011	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.47		0.011	0.330
111-44-4	Bis(2-Chloroethyl)ether	1.79		0.010	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.37		0.013	0.330
117-81-7	bis(2-ethylhexyl)phthalate	2.61		0.00890	0.066
101-55-3	4-Bromophenyl-phenylether	2.69		0.00806	0.330
86-74-8	Carbazole	2.75		0.00853	0.330
7005-72-3	4-Chlorophenyl-phenylether	2.65		0.00878	0.330
218-01-9	Chrysene	2.50		0.00772	0.330
53-70-3	Dibenz(a,h)anthracene	2.28		0.00835	0.066
132-64-9	Dibenzofuran	2.34		0.012	0.330
91-94-1	3,3'-Dichlorobenzidine	3.70		0.041	0.660
120-83-2	2,4-Dichlorophenol	2.20		0.00861	0.330
84-66-2	Diethylphthalate	2.82		0.015	0.330
105-67-9	2,4-Dimethylphenol	2.08		0.022	0.330
131-11-3	Dimethyl-phthalate	2.74		0.011	0.330
117-84-0	Di-n-octylphthalate	3.15		0.00719	0.330
51-28-5	2,4-Dinitrophenol	0.699	J	0.057	1.67
606-20-2	2,6-Dinitrotoluene	2.45		0.00800	0.330
206-44-0	Fluoranthene	2.73		0.00972	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: LCS397867
Contract:
Lab File ID: 2060805/D1051
Lab Sample ID: 397867
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2041
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	2.46		0.00849	0.066
118-74-1	Hexachlorobenzene	2.50		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	1.14		0.00716	0.330
67-72-1	Hexachloroethane	1.94		0.014	0.330
78-59-1	Isophorone	2.41		0.00841	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	3.02		0.014	0.330
91-57-6	2-Methylnaphthalene	2.18		0.00935	0.066
95-48-7	o-Cresol	1.95		0.013	0.330
98-95-3	Nitrobenzene	2.18		0.012	0.330
88-75-5	2-Nitrophenol	2.04		0.013	0.330
62-75-9	N-Nitrosodimethylamine	0.743		0.043	0.330
86-30-6	N-Nitrosodiphenylamine	2.57		0.00985	0.330
85-01-8	Phenanthrene	2.40		0.011	0.066
95-95-4	2,4,5-Trichlorophenol	2.15		0.00672	0.330
88-06-2	2,4,6-Trichlorophenol	2.19		0.015	0.330
100-51-6	Benzyl alcohol	2.08		0.00976	0.330
62-53-3	Aniline	1.84		0.00640	0.330
110-86-1	Pyridine	2.21		0.020	0.330
105-60-2	Caprolactam	3.03		0.068	0.330
98-86-2	Acetophenone	2.26		0.00710	0.330
99-09-2	3-Nitroaniline	2.49		0.00910	1.67
100-01-6	4-Nitroaniline	2.83		0.024	1.67
84-74-2	Di-n-butylphthalate	2.96		0.025	0.330
122-66-7	1,2 Diphenylhydrazine	2.52		0.00716	0.330
88-74-4	2-Nitroaniline	2.62		0.022	1.67
91-58-7	2-Chloronaphthalene	2.37		0.00892	0.330
106-47-8	4-Chloroaniline	2.03		0.029	0.330
1912-24-9	Atrazine (Aatrex)	2.96		0.017	0.660
100-52-7	Benzaldehyde	0.650	J	0.025	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: LCS397867
Contract:
Lab File ID: 2060805/D1051
Lab Sample ID: 397867
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2041
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.52		0.00970	0.330
1319-77-3M	m,p-Cresol	2.10		0.012	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	0.899	J	0.017	1.67
108-95-2	Phenol	2.00		0.011	0.330
95-57-8	2-Chlorophenol	1.97		0.00528	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.35		0.00893	0.066
59-50-7	4-Chloro-3-methylphenol	2.22		0.013	0.330
83-32-9	Acenaphthene	2.29		0.00861	0.066
100-02-7	4-Nitrophenol	2.50		0.043	1.67
121-14-2	2,4-Dinitrotoluene	2.56		0.015	0.330
87-86-5	Pentachlorophenol	2.64		0.086	1.67
129-00-0	Pyrene	2.04		0.010	0.330

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GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1051.d
Lab Smp Id: 397867 Client Smp ID: 0804LCS
Inj Date : 05-AUG-2006 20:41
Operator : rrr Inst ID: MSSV5.i
Smp Info : 397867*LCS*
Misc Info : 0804LCS*MSSV~3868~*LCS*30.0-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 41 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	0.246	0.310	(0.218)	172797	66.1648	2210
	1 n-Nitrosodimethylamine	42	0.310	0.305	(0.275)	37071	22.2837	743(R)
$	3 2-Fluorophenol	112	0.540	0.540	(0.479)	189227	73.5016	2450
$	4 Phenol-d5	99	0.926	0.920	(0.820)	792736	65.9919	2200
	5 Aniline	93	0.893	0.888	(0.791)	665727	55.2029	1840
	6 Phenol +	94	0.931	0.931	(0.825)	876979	59.9328	2000
	7 bis(-2-Chloroethyl)Ether	63	0.952	0.952	(0.844)	756769	53.6807	1790
	8 2-Chlorophenol	128	0.974	0.968	(0.863)	700211	59.1386	1970
	9 1,3-Dichlorobenzene	146	1.075	1.075	(0.953)	822384	59.5788	1990
*	10 1,4-Dichlorobenzene-d4	152	1.129	1.123	(1.000)	280549	40.0000	
	11 1,4-Dichlorobenzene +	146	1.139	1.134	(1.009)	827957	60.3387	2010

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.273	1.273	(1.128)	606945	62.2917	2080
	13 1,2-Dichlorobenzene	146	1.252	1.246	(1.109)	806131	61.1980	2040
	15 2-Methylphenol	108	1.391	1.385	(1.232)	790029	58.3859	1950
	14 Bis(2-chloroisopropyl)ether	45	1.369	1.369	(1.213)	1401746	70.9636	2370
	17 3- & 4-Methylphenol	108	1.509	1.503	(1.336)	828561	63.1488	2100
	16 N-Nitroso-di-n-propylamine++	70	1.471	1.471	(1.303)	750245	70.4526	2350
	18 Hexachloroethane	117	1.487	1.487	(1.317)	297872	58.1147	1940
$	19 Nitrobenzene-d5	82	1.546	1.546	(0.773)	501076	34.6597	1160
	20 Nitrobenzene	77	1.557	1.556	(0.778)	966773	65.3473	2180
	21 Isophorone	82	1.728	1.733	(0.864)	1913417	72.4166	2410
	22 2-Nitrophenol +	139	1.771	1.770	(0.885)	394073	61.2028	2040
	23 2,4-Dimethyphenol	107	1.851	1.851	(0.925)	810978	62.5385	2080
	24 bis(-2-Chloroethoxy)methane	93	1.894	1.893	(0.947)	1082784	73.9961	2470
	25 Benzoic Acid	122	1.974	1.979	(0.987)	228057	48.0394	1600
	26 2,4-Dichlorophenol +	162	1.942	1.942	(0.971)	569012	65.9997	2200
	27 1,2,4-Trichlorobenzene	180	1.979	1.974	(0.989)	642894	64.4796	2150
*	28 Naphthalene-d8	136	2.001	2.000	(1.000)	1078489	40.0000	
	29 Naphthalene	128	2.017	2.016	(1.008)	2094062	66.2434	2210
	30 4-Chloroaniline	127	2.075	2.075	(1.037)	644863	60.8635	2030
	31 Hexachlorobutadiene +	225	2.113	2.113	(1.056)	413070	64.4869	2150
	32 4-Chloro-3-Methylphenol +	107	2.429	2.423	(1.214)	673143	66.6992	2220
	33 2-Methylnaphthalene	142	2.450	2.450	(1.225)	1480605	65.2964	2180
	145 1-Methylnapthalene	142	2.509	2.509	(1.254)	1389504	75.5756	2520
	34 Hexachlorocyclopentadiene ++	237	2.557	2.557	(0.831)	226322	34.2564	1140(R)
	35 2,4,6-Trichlorophenol +	196	2.648	2.648	(0.861)	381694	65.6139	2190
	36 2,4,5-Trichlorphenol	196	2.675	2.674	(0.870)	387304	64.4343	2150
$	37 2-Fluorobiphenyl	172	2.691	2.690	(0.875)	764736	36.9582	1230
	38 2-Chloronaphthalene	162	2.744	2.744	(0.892)	1129957	71.1173	2370
	39 2-Nitroaniline	138	2.830	2.829	(0.920)	441564	78.4693	2620
	40 Dimethylphthalate	163	2.958	2.958	(0.962)	1364845	82.2948	2740
	41 2,6-Dinitrotoluene	165	2.985	2.985	(0.970)	305861	73.6119	2450
	42 Acenaphthylene	152	2.985	2.985	(0.970)	1885816	73.0096	2430
	43 3-Nitroaniline	138	3.081	3.081	(1.002)	313936	74.7114	2490
*	44 Acenaphthene-d10	164	3.076	3.076	(1.000)	581700	40.0000	
	45 Acenaphthene +	153	3.097	3.097	(1.007)	1293392	68.8312	2290
	46 2,4-Dinitrophenol ++	184	3.145	3.145	(1.023)	51203	20.9693	699(R)
	49 4-Nitrophenol ++	109	3.236	3.231	(1.052)	158721	74.9212	2500
	47 Dibenzofuran	168	3.204	3.199	(1.042)	1749276	70.2948	2340
	48 2,4-Dinitrotoluene	165	3.225	3.225	(1.049)	423830	76.9142	2560
	50 Diethylphthalate	149	3.391	3.391	(1.103)	1327174	84.4534	2820
	52 4-Chlorophenyl-phenylether	204	3.423	3.423	(1.113)	686738	79.5683	2650
	51 Fluorene	166	3.407	3.407	(1.108)	1454418	73.9132	2460
	53 4-Nitroaniline	138	3.455	3.450	(1.123)	311439	84.9780	2830
	54 4,6-Dinitro-o-cresol	198	3.471	3.466	(0.876)	101341	26.9715	899(R)
	55 N-nitrosodiphenylamine (1)+	169	3.504	3.503	(0.884)	957903	77.0509	2570
	56 Azobenzene	77	3.520	3.519	(0.888)	1714215	75.6948	2520
$	57 2,4,6-Tribromophenol	332	3.557	3.557	(1.157)	215873	83.1004	2770

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58 4-Bromophenyl-phenylether	248	3.712	3.712	(0.937)	370518	80.8300	2690
	59 Hexachlorobenzene	284	3.739	3.733	(0.943)	454691	75.1185	2500
	60 Pentachlorophenol +	266	3.873	3.867	(0.977)	292604	79.0732	2640
*	61 Phenanthrene-d10	188	3.964	3.958	(1.000)	842334	40.0000	
	62 Phenanthrene	178	3.974	3.974	(1.003)	1832787	71.9455	2400
	63 Anthracene	178	4.006	4.006	(1.011)	1878099	74.9449	2500
	64 Carbazole	167	4.124	4.119	(1.040)	1619566	82.6024	2750
	65 Di-n-butylphthalate	149	4.375	4.375	(1.104)	1998942	88.6648	2960
	67 Fluoranthene +	202	4.686	4.685	(1.182)	1795301	81.8572	2730
	68 Benzidine	184	4.798	4.798	(0.858)	122217	51.7147	1720
	69 Pyrene	202	4.814	4.814	(0.861)	1835859	61.0591	2040
$	70 Terphenyl-d14	244	4.942	4.942	(0.884)	768780	38.7914	1290
	71 Butylbenzylphthalate	149	5.274	5.274	(0.944)	801314	73.8683	2460
	73 3,3'-Dichlorobenzidine	252	5.600	5.595	(1.002)	688731	110.887	3700
	72 Benzo(a)anthracene	228	5.584	5.584	(0.999)	1768695	77.1104	2570
*	74 Chrysene-d12	240	5.590	5.589	(1.000)	745534	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.697	5.696	(1.019)	1090964	78.2902	2610
	75 Chrysene	228	5.611	5.605	(1.004)	1882705	75.0579	2500
	77 Di-n-octylphthalate +	149	6.173	6.167	(1.104)	1927694	94.3774	3150
	78 Benzo(b)fluoranthene	252	6.344	6.338	(0.961)	1926800	81.0641	2700
	79 Benzo(k)fluoranthene	252	6.365	6.354	(0.964)	2601883	70.8806	2360
	80 Benzo(a)pyrene +	252	6.563	6.557	(0.994)	2033566	78.7146	2620
*	81 Perylene-d12	264	6.600	6.595	(1.000)	876682	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.317	7.306	(1.309)	2131849	90.6383	3020
	83 Dibenzo(a,h)anthracene	278	7.339	7.333	(1.112)	1908951	68.3946	2280
	84 Benzo(g,h,i)perylene	276	7.478	7.472	(1.133)	1791044	61.6456	2050
M	66 Total Methylphenol	108				1618590	121.535	4050
	91 Acetophenone	105	1.450	1.450	(1.284)	1156769	67.7224	2260
	155 Benzaldehyde	77	0.824	0.824	(0.730)	121051	19.5093	650(R)
	156 Caprolactam	113	2.343	2.332	(1.171)	269018	90.8117	3030
	157 Biphenyl	154	2.744	2.744	(1.372)	1626748	75.5521	2520
	158 Atrazine	200	3.857	3.851	(0.973)	341606	88.8277	2960
	174 1,4-Dioxane	88	0.278	0.273	(0.247)	62372	40.3596	1350

QC Flag Legend

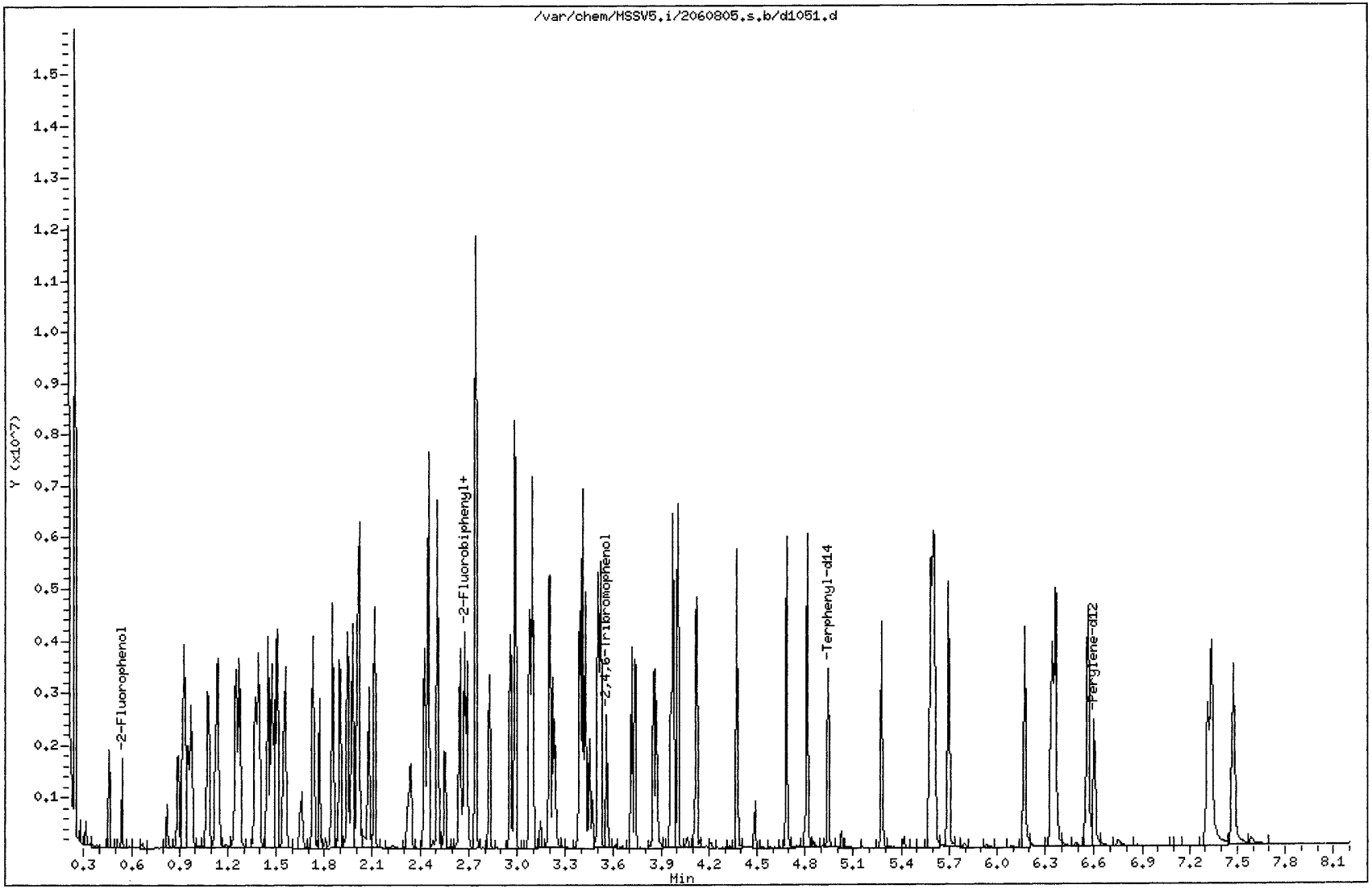
R - Spike/Surrogate failed recovery limits.

000881

Data File: /var/chem/MSSV5.i/2060805.s.b/d1051.d
Date : 05-AUG-2006 20:41
Client ID: 0804LCS
Sample Info: 397867*LCS*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

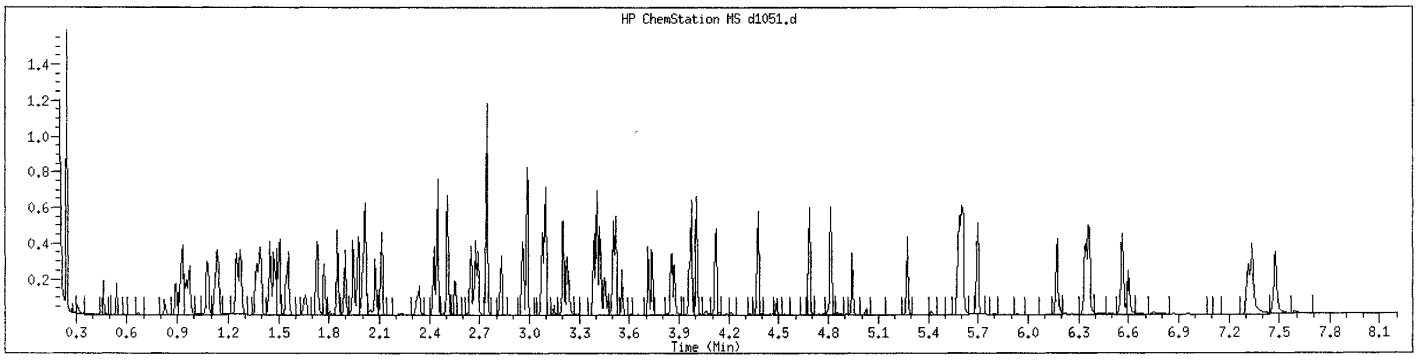
Operator: rrr
Column diameter: 0.25



167342

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 397867	SampleType	: LCS
Injection Date	: 05-AUG-2006 20:41	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 397867*LCS*		
Misc Info	: 0804LCS*MSSV~3868~*LCS*30.0-1*329588*		
Method	: /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

000882

167343

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCSD397848
Contract:
Lab File ID: 2060807/D1121
Lab Sample ID: 397848
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1111
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.082		0.000258	0.010
120-12-7	Anthracene	0.086		0.000350	0.00200
56-55-3	Benzo(a)anthracene	0.084		0.000205	0.010
92-87-5	Benzidine	0.021	J	0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.091		0.000244	0.010
207-08-9	Benzo(k)fluoranthene	0.081		0.000278	0.010
191-24-2	Benzo(g,h,i)perylene	0.090		0.000199	0.010
50-32-8	Benzo(a)pyrene	0.090		0.000130	0.010
65-85-0	Benzoic acid	0.045	J	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.085		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.084		0.000192	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.064		0.000357	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.082		0.000283	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.093		0.000585	0.010
101-55-3	4-Bromophenyl-phenylether	0.084		0.000393	0.010
86-74-8	Carbazole	0.101		0.000214	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.086		0.000355	0.010
218-01-9	Chrysene	0.083		0.000311	0.010
53-70-3	Dibenz(a,h)anthracene	0.086		0.000287	0.010
132-64-9	Dibenzofuran	0.079		0.000228	0.010
91-94-1	3,3'-Dichlorobenzidine	0.106		0.000307	0.020
120-83-2	2,4-Dichlorophenol	0.079		0.000292	0.010
84-66-2	Diethylphthalate	0.095		0.000342	0.010
105-67-9	2,4-Dimethylphenol	0.073		0.00600	0.010
131-11-3	Dimethyl-phthalate	0.089		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.108		0.000337	0.010
51-28-5	2,4-Dinitrophenol	0.084		0.00218	0.050
606-20-2	2,6-Dinitrotoluene	0.086		0.000354	0.010
206-44-0	Fluoranthene	0.103		0.000231	0.00200

167344

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCSD397848
Contract:
Lab File ID: 2060807/D1121
Lab Sample ID: 397848
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1111
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.085		0.000230	0.010
118-74-1	Hexachlorobenzene	0.078		0.000291	0.010
77-47-4	Hexachlorocyclopentadiene	0.057		0.00185	0.010
67-72-1	Hexachloroethane	0.063		0.00145	0.00500
78-59-1	Isophorone	0.077		0.000271	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.094		0.000240	0.010
91-57-6	2-Methylnaphthalene	0.067		0.000216	0.010
95-48-7	o-Cresol	0.063		0.000240	0.010
98-95-3	Nitrobenzene	0.079		0.000226	0.010
88-75-5	2-Nitrophenol	0.075		0.000378	0.010
62-75-9	N-Nitrosodimethylamine	0.011		0.00113	0.010
86-30-6	N-Nitrosodiphenylamine	0.085		0.000270	0.010
85-01-8	Phenanthrene	0.082		0.000191	0.00200
95-95-4	2,4,5-Trichlorophenol	0.075		0.000373	0.010
88-06-2	2,4,6-Trichlorophenol	0.079		0.000420	0.010
100-51-6	Benzyl alcohol	0.061		0.000265	0.010
62-53-3	Aniline	0.039		0.000340	0.010
110-86-1	Pyridine	0.00716	J	0.00365	0.010
105-60-2	Caprolactam	0.031		0.000309	0.010
98-86-2	Acetophenone	0.076		0.000397	0.010
99-09-2	3-Nitroaniline	0.093		0.000293	0.050
100-01-6	4-Nitroaniline	0.116		0.000821	0.050
84-74-2	Di-n-butylphthalate	0.103		0.000735	0.00500
122-66-7	1,2 Diphenylhydrazine	0.087		0.000204	0.010
88-74-4	2-Nitroaniline	0.095		0.000981	0.050
91-58-7	2-Chloronaphthalene	0.076		0.000326	0.010
106-47-8	4-Chloroaniline	0.076		0.000341	0.010
1912-24-9	Atrazine (Aatrex)	0.106		0.000473	0.020
100-52-7	Benzaldehyde	0.116		0.000470	0.020

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: LCSD397848
Contract:
Lab File ID: 2060807/D1121
Lab Sample ID: 397848
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1111
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.081		0.000176	0.010
1319-77-3M	m,p-Cresol	0.063		0.000933	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.084		0.000759	0.050
108-95-2	Phenol	0.032		0.000132	0.010
95-57-8	2-Chlorophenol	0.060		0.000321	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.080		0.000246	0.010
59-50-7	4-Chloro-3-methylphenol	0.076		0.000283	0.010
83-32-9	Acenaphthene	0.078		0.000219	0.010
100-02-7	4-Nitrophenol	0.051		0.00175	0.050
121-14-2	2,4-Dinitrotoluene	0.093		0.000400	0.010
87-86-5	Pentachlorophenol	0.075		0.00187	0.050
129-00-0	Pyrene	0.068		0.000234	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1121.d
Lab Smp Id: 397848 Client Smp ID: 0805LCSD
Inj Date : 07-AUG-2006 11:11
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 397848*LCSD
Misc Info : 0805LCSD*MSSV~3870~*LCSD*1000-1*329585*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 12:46 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	2	Pyridine	79	0.305	0.305	(0.282)	12412	7.15588	7.16(aM)
	1	n-Nitrosodimethylamine	42	0.300	0.300	(0.277)	12617	11.4183	11.4(R)
$	3	2-Fluorophenol	112	0.524	0.524	(0.485)	95348	55.7608	55.8
$	4	Phenol-d5	99	0.883	0.888	(0.817)	267731	33.5555	33.6
	5	Aniline	93	0.856	0.861	(0.792)	313723	39.1667	39.2
	6	Phenol +	94	0.893	0.893	(0.827)	308235	31.7147	31.7
	7	bis(-2-Chloroethyl)Ether	63	0.915	0.915	(0.847)	597523	63.8137	63.8
	8	2-Chlorophenol	128	0.931	0.931	(0.861)	467972	59.5067	59.5
	9	1,3-Dichlorobenzene	146	1.032	1.033	(0.955)	562494	61.3534	61.4
*	10	1,4-Dichlorobenzene-d4	152	1.081	1.081	(1.000)	186340	40.0000	
	11	1,4-Dichlorobenzene +	146	1.097	1.097	(1.015)	575543	63.1494	63.1
	12	Benzyl alcohol	108	1.230	1.230	(1.139)	394446	60.9498	60.9
	13	1,2-Dichlorobenzene	146	1.209	1.209	(1.119)	553162	63.2249	63.2

		QUANT SIG				CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/L)
	15 2-Methylphenol	108	1.348	1.348	(1.248)	566073	62.9856	63.0
	14 Bis(2-chloroisopropyl)ether	45	1.332	1.332	(1.233)	1079664	82.2922	82.3
	17 3- & 4-Methylphenol	108	1.466	1.466	(1.356)	544365	62.4647	62.5
	16 N-Nitroso-di-n-propylamine++	70	1.434	1.434	(1.327)	542349	79.5786	79.6
	18 Hexachloroethane	117	1.450	1.450	(1.342)	215199	63.2120	63.2
$	19 Nitrobenzene-d5	82	1.503	1.503	(0.764)	393549	42.7042	42.7
	20 Nitrobenzene	77	1.519	1.519	(0.772)	749130	79.4349	79.4
	21 Isophorone	82	1.696	1.690	(0.861)	1298641	77.1026	77.1
	22 2-Nitrophenol +	139	1.733	1.733	(0.880)	306476	74.6693	74.7
	23 2,4-Dimethyphenol	107	1.813	1.813	(0.921)	603862	73.0511	73.1
	24 bis(-2-Chloroethoxy)methane	93	1.861	1.862	(0.946)	785877	84.2506	84.3
	25 Benzoic Acid	122	1.931	1.942	(0.981)	136657	45.1582	45.2(R)
	26 2,4-Dichlorophenol +	162	1.910	1.910	(0.970)	431482	78.5117	78.5
	27 1,2,4-Trichlorobenzene	180	1.942	1.942	(0.986)	401450	63.1634	63.2
*	28 Naphthalene-d8	136	1.968	1.969	(1.000)	687487	40.0000	
	29 Naphthalene	128	1.979	1.979	(1.005)	1438000	71.3614	71.4
	30 4-Chloroaniline	127	2.043	2.043	(1.038)	499334	76.3867	76.4
	31 Hexachlorobutadiene +	225	2.081	2.081	(1.057)	239140	58.5668	58.6
	32 4-Chloro-3-Methylphenol +	107	2.386	2.391	(1.212)	489516	76.0906	76.1
	33 2-Methylnaphthalene	142	2.418	2.418	(1.228)	964930	66.7570	66.8
	145 1-Methylnapthalene	142	2.471	2.471	(1.255)	923000	78.7543	78.8
	34 Hexachlorocyclopentadiene ++	237	2.519	2.525	(0.829)	230026	56.9107	56.9
	35 2,4,6-Trichlorophenol +	196	2.610	2.610	(0.859)	281648	79.1386	79.1
	36 2,4,5-Trichlorphenol	196	2.637	2.642	(0.868)	275501	74.9186	74.9
$	37 2-Fluorobiphenyl	172	2.658	2.659	(0.875)	495365	39.1315	39.1
	38 2-Chloronaphthalene	162	2.707	2.707	(0.891)	739297	76.0562	76.1
	39 2-Nitroaniline	138	2.797	2.792	(0.921)	327911	95.2497	95.2
	40 Dimethylphthalate	163	2.926	2.926	(0.963)	902391	88.9376	88.9
	41 2,6-Dinitrotoluene	165	2.953	2.953	(0.972)	217360	85.5075	85.5
	42 Acenaphthylene	152	2.953	2.953	(0.972)	1289963	81.6320	81.6
	43 3-Nitroaniline	138	3.049	3.049	(1.004)	238846	92.9106	92.9
*	44 Acenaphthene-d10	164	3.038	3.044	(1.000)	355875	40.0000	
	45 Acenaphthene +	153	3.060	3.060	(1.007)	901304	78.4022	78.4
	46 2,4-Dinitrophenol ++	184	3.113	3.113	(1.025)	147957	83.7827	83.8(M)
	49 4-Nitrophenol ++	109	3.204	3.204	(1.055)	65833	50.7944	50.8
	47 Dibenzofuran	168	3.167	3.167	(1.042)	1201837	78.9428	78.9
	48 2,4-Dinitrotoluene	165	3.193	3.193	(1.051)	312116	92.5834	92.6
	50 Diethylphthalate	149	3.359	3.359	(1.106)	909962	94.6487	94.6
	52 4-Chlorophenyl-phenylether	204	3.391	3.391	(1.116)	453755	85.9354	85.9
	51 Fluorene	166	3.370	3.370	(1.109)	1018541	84.6084	84.6
	53 4-Nitroaniline	138	3.418	3.418	(1.125)	260238	116.066	116(R)
	54 4,6-Dinitro-o-cresol	198	3.439	3.434	(0.876)	211592	84.3048	84.3
	55 N-nitrosodiphenylamine (1)+	169	3.471	3.472	(0.884)	704895	84.8822	84.9
	56 Azobenzene	77	3.487	3.488	(0.888)	1309882	86.5903	86.6
$	57 2,4,6-Tribromophenol	332	3.525	3.525	(1.160)	152703	96.0843	96.1
	58 4-Bromophenyl-phenylether	248	3.680	3.680	(0.937)	257511	84.0997	84.1
	59 Hexachlorobenzene	284	3.701	3.702	(0.943)	313250	77.4743	77.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	60 Pentachlorophenol +	266	3.835	3.835	(0.977)	186106	75.2914	75.3
*	61 Phenanthrene-d10	188	3.926	3.926	(1.000)	562663	40.0000	
	62 Phenanthrene	178	3.942	3.942	(1.004)	1401847	82.3813	82.4
	63 Anthracene	178	3.969	3.969	(1.011)	1442588	86.1791	86.2
	64 Carbazole	167	4.086	4.087	(1.041)	1322452	100.974	101
	65 Di-n-butylphthalate	149	4.343	4.343	(1.106)	1547896	102.785	103
	67 Fluoranthene +	202	4.653	4.648	(1.185)	1512380	103.233	103
	68 Benzidine	184	4.766	4.766	(0.858)	37103	20.5513	20.6(M)
	69 Pyrene	202	4.782	4.777	(0.861)	1559082	67.8783	67.9
$	70 Terphenyl-d14	244	4.910	4.910	(0.884)	522846	34.5349	34.5
	71 Butylbenzylphthalate	149	5.242	5.242	(0.944)	708006	85.4365	85.4
	73 3,3'-Dichlorobenzidine	252	5.563	5.563	(1.002)	503779	106.175	106
	72 Benzo(a)anthracene	228	5.547	5.547	(0.999)	1466578	83.5315	83.5
*	74 Chrysene-d12	240	5.552	5.552	(1.000)	569530	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.664	5.664	(1.020)	989215	92.8625	92.9
	75 Chrysene	228	5.568	5.568	(1.003)	1587946	82.8707	82.9
	77 Di-n-octylphthalate +	149	6.135	6.135	(1.105)	1681559	107.769	108
	78 Benzo(b)fluoranthene	252	6.295	6.296	(0.961)	1359675	90.5488	90.5
	79 Benzo(k)fluoranthene	252	6.317	6.312	(0.964)	1833707	80.6546	80.7
	80 Benzo(a)pyrene +	252	6.515	6.515	(0.994)	1440998	90.0574	90.1
*	81 Perylene-d12	264	6.552	6.552	(1.000)	542979	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.269	7.264	(1.309)	1690016	93.5081	93.5
	83 Dibenzo(a,h)anthracene	278	7.290	7.285	(1.113)	1521366	85.5077	85.5
	84 Benzo(g,h,i)perylene	276	7.429	7.424	(1.134)	1680261	89.6014	89.6
M	66 Total Methylphenol	108				1110438	125.450	125
	91 Acetophenone	105	1.412	1.407	(1.307)	866277	76.3566	76.4
	155 Benzaldehyde	77	0.797	0.797	(0.738)	172826	115.863	116
	156 Caprolactam	113	2.273	2.284	(1.155)	58398	30.9250	30.9
	157 Biphenyl	154	2.712	2.712	(1.378)	1087485	80.4767	80.5
	158 Atrazine	200	3.824	3.819	(0.974)	273187	106.345	106
	174 1,4-Dioxane	88	0.268	0.268	(0.248)	45607	44.4315	44.4

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060807.s.b/d1121.d

Page 1

Date : 07-AUG-2006 11:11

Client ID: 0805LCSD

Instrument: MSSV5.i

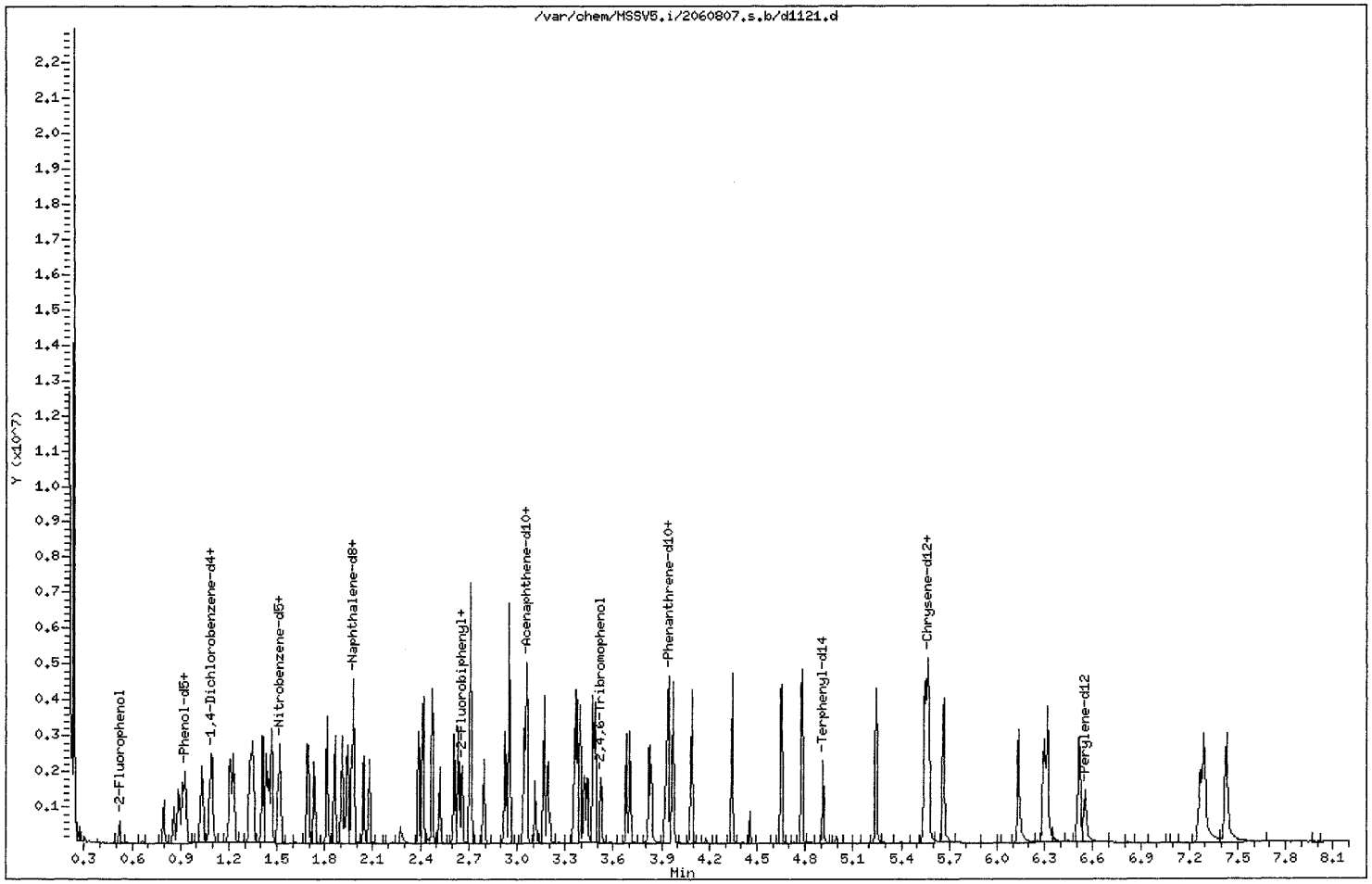
Sample Info: 397848*LCSD

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

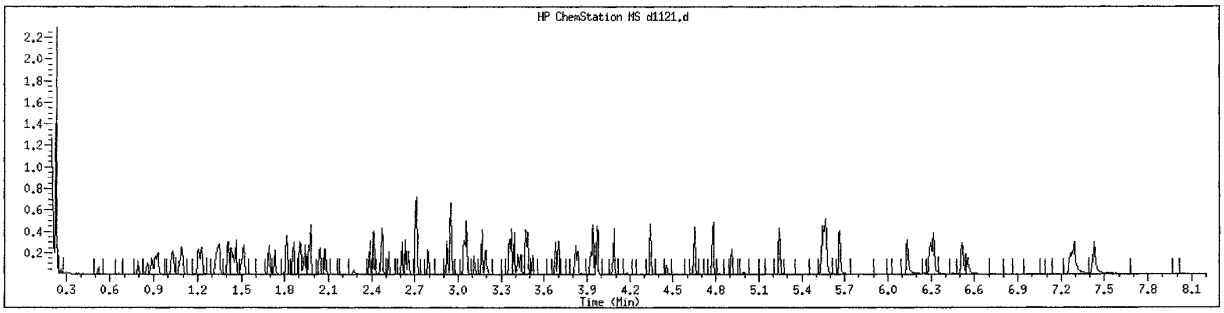
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060807.s.b/d1121.d Page: 1
Report Date: 08/07/2006 12:50

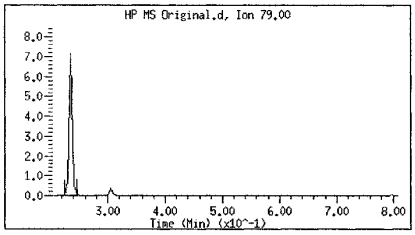
MANUAL INTEGRATION GRAPHIC REPORT

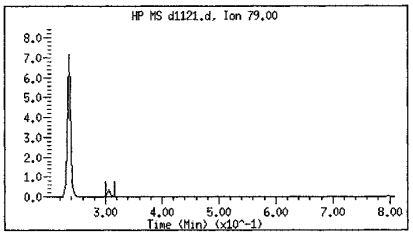
Lab ID : 397848 SampleType : LCSD
Injection Date: 07-AUG-2006 11:11 Instrument : MSSV5.i
Operator : jar3
Sample Info : 397848*LCSD
Misc Info : 0805LCSD*MSSV~3870~*LCSD*1000-1*329585*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



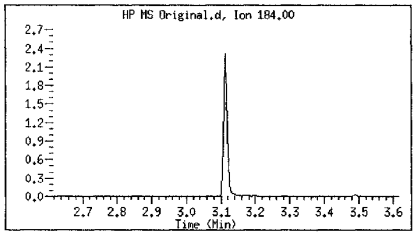
Original Final

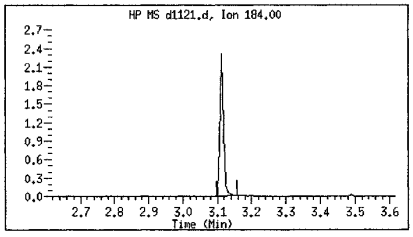
2 Pyridine CAS#: 110-86-1





46 2,4-Dinitrophenol ++ CAS#: 51-28-5



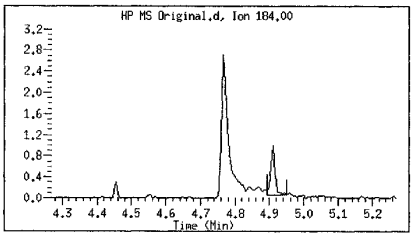


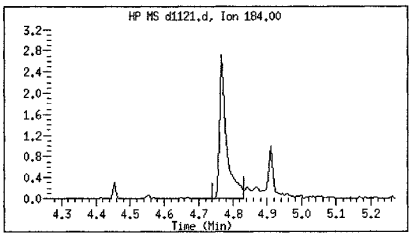
000890

167351

Original Final

68 Benzidine CAS#: 92-87-5





000891

167352

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: LCSD397868
Contract:
Lab File ID: 2060805/D1052
Lab Sample ID: 397868
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2056
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	2.48		0.00975	0.066
120-12-7	Anthracene	2.48		0.00945	0.066
56-55-3	Benzo(a)anthracene	2.46		0.00880	0.066
92-87-5	Benzidine	1.81		0.045	1.32
205-99-2	Benzo(b)fluoranthene	2.59		0.00612	0.330
207-08-9	Benzo(k)fluoranthene	2.44		0.014	0.330
191-24-2	Benzo(g,h,i)perylene	2.25		0.00875	0.330
50-32-8	Benzo(a)pyrene	2.62		0.00874	0.066
65-85-0	Benzoic acid	1.36	J	0.154	1.67
85-68-7	Butylbenzylphthalate	2.42		0.011	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.40		0.011	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.11		0.010	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.33		0.013	0.330
117-81-7	bis(2-ethylhexyl)phthalate	2.54		0.00890	0.066
101-55-3	4-Bromophenyl-phenylether	2.68		0.00806	0.330
86-74-8	Carbazole	2.70		0.00853	0.330
7005-72-3	4-Chlorophenyl-phenylether	2.66		0.00878	0.330
218-01-9	Chrysene	2.53		0.00772	0.330
53-70-3	Dibenz(a,h)anthracene	2.41		0.00835	0.066
132-64-9	Dibenzofuran	2.38		0.012	0.330
91-94-1	3,3'-Dichlorobenzidine	3.59		0.041	0.660
120-83-2	2,4-Dichlorophenol	2.12		0.00861	0.330
84-66-2	Diethylphthalate	2.80		0.015	0.330
105-67-9	2,4-Dimethylphenol	2.02		0.022	0.330
131-11-3	Dimethyl-phthalate	2.72		0.011	0.330
117-84-0	Di-n-octylphthalate	3.05		0.00719	0.330
51-28-5	2,4-Dinitrophenol	0.664	J	0.057	1.67
606-20-2	2,6-Dinitrotoluene	2.46		0.00800	0.330
206-44-0	Fluoranthene	2.68		0.00972	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: LCSD397868
Contract:
Lab File ID: 2060805/D1052
Lab Sample ID: 397868
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2056
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	2.44		0.00849	0.066
118-74-1	Hexachlorobenzene	2.51		0.011	0.330
77-47-4	Hexachlorocyclopentadiene	1.30		0.00716	0.330
67-72-1	Hexachloroethane	2.02		0.014	0.330
78-59-1	Isophorone	2.37		0.00841	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	3.10		0.014	0.330
91-57-6	2-Methylnaphthalene	2.15		0.00935	0.066
95-48-7	o-Cresol	1.84		0.013	0.330
98-95-3	Nitrobenzene	2.20		0.012	0.330
88-75-5	2-Nitrophenol	2.06		0.013	0.330
62-75-9	N-Nitrosodimethylamine	2.81		0.043	0.330
86-30-6	N-Nitrosodiphenylamine	2.62		0.00985	0.330
85-01-8	Phenanthrene	2.43		0.011	0.066
95-95-4	2,4,5-Trichlorophenol	2.13		0.00672	0.330
88-06-2	2,4,6-Trichlorophenol	2.20		0.015	0.330
100-51-6	Benzyl alcohol	1.98		0.00976	0.330
62-53-3	Aniline	1.78		0.00640	0.330
110-86-1	Pyridine	1.87		0.020	0.330
105-60-2	Caprolactam	2.87		0.068	0.330
98-86-2	Acetophenone	2.18		0.00710	0.330
99-09-2	3-Nitroaniline	2.41		0.00910	1.67
100-01-6	4-Nitroaniline	2.75		0.024	1.67
84-74-2	Di-n-butylphthalate	2.88		0.025	0.330
122-66-7	1,2 Diphenylhydrazine	2.54		0.00716	0.330
88-74-4	2-Nitroaniline	2.61		0.022	1.67
91-58-7	2-Chloronaphthalene	2.42		0.00892	0.330
106-47-8	4-Chloroaniline	1.82		0.029	0.330
1912-24-9	Atrazine (Aatrex)	3.07		0.017	0.660
100-52-7	Benzaldehyde	0.685		0.025	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
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: LCSD397868
Contract:
Lab File ID: 2060805/D1052
Lab Sample ID: 397868
Date Collected: Time:
Date Received:
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2056
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.41		0.00970	0.330
1319-77-3M	m,p-Cresol	1.96		0.012	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	0.900	J	0.017	1.67
108-95-2	Phenol	1.88		0.011	0.330
95-57-8	2-Chlorophenol	1.88		0.00528	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.19		0.00893	0.066
59-50-7	4-Chloro-3-methylphenol	2.07		0.013	0.330
83-32-9	Acenaphthene	2.33		0.00861	0.066
100-02-7	4-Nitrophenol	2.48		0.043	1.67
121-14-2	2,4-Dinitrotoluene	2.54		0.015	0.330
87-86-5	Pentachlorophenol	2.48		0.086	1.67
129-00-0	Pyrene	2.02		0.010	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1052.d
Lab Smp Id: 397868 Client Smp ID: 0804LCSD
Inj Date : 05-AUG-2006 20:56
Operator : rrr Inst ID: MSSV5.i
Smp Info : 397868*LCSD*
Misc Info : 0804LCSD*MSSV~3868~*LCSD*30.0-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 42 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SA8270.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.00000	Weigth of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	2 Pyridine	79	0.316	0.310	(0.280)	158830	56.2482	1870
	1 n-Nitrosodimethylamine	42	0.310	0.305	(0.275)	151750	84.3640	2810
$	3 2-Fluorophenol	112	0.540	0.540	(0.479)	206058	74.0270	2470
$	4 Phenol-d5	99	0.925	0.920	(0.820)	814156	62.6840	2090
	5 Aniline	93	0.893	0.888	(0.791)	698125	53.5411	1780
	6 Phenol +	94	0.936	0.931	(0.829)	892665	56.4223	1880
	7 bis(-2-Chloroethyl)Ether	63	0.952	0.952	(0.844)	963585	63.2168	2110
	8 2-Chlorophenol	128	0.974	0.968	(0.863)	723644	56.5268	1880
	9 1,3-Dichlorobenzene	146	1.081	1.075	(0.957)	942604	63.1588	2110
*	10 1,4-Dichlorobenzene-d4	152	1.129	1.123	(1.000)	303335	40.0000	
	11 1,4-Dichlorobenzene +	146	1.139	1.134	(1.009)	937256	63.1733	2110

		QUANT SIG					CONCENTRATIONS	
							ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	12 Benzyl alcohol	108	1.273	1.273	(1.128)	626538	59.4724	1980
	13 1,2-Dichlorobenzene	146	1.252	1.246	(1.109)	907558	63.7226	2120
	15 2-Methylphenol	108	1.391	1.385	(1.232)	806134	55.1011	1840
	14 Bis(2-chloroisopropyl)ether	45	1.369	1.369	(1.213)	1489751	69.7537	2330
	17 3- & 4-Methylphenol	108	1.508	1.503	(1.336)	832296	58.6686	1960
	16 N-Nitroso-di-n-propylamine++	70	1.471	1.471	(1.303)	773321	65.8455	2190
	18 Hexachloroethane	117	1.487	1.487	(1.317)	336077	60.6431	2020
$	19 Nitrobenzene-d5	82	1.546	1.546	(0.771)	517376	34.9729	1170
	20 Nitrobenzene	77	1.557	1.556	(0.776)	999484	66.0212	2200
	21 Isophorone	82	1.733	1.733	(0.864)	1924817	71.1906	2370
	22 2-Nitrophenol +	139	1.771	1.770	(0.883)	406736	61.7322	2060
	23 2,4-Dimethyphenol	107	1.851	1.851	(0.923)	806093	60.7474	2020
	24 bis(-2-Chloroethoxy)methane	93	1.899	1.893	(0.947)	1077027	71.9281	2400
	25 Benzoic Acid	122	1.974	1.979	(0.984)	198919	40.9482	1360
	26 2,4-Dichlorophenol +	162	1.947	1.942	(0.971)	562159	63.7212	2120
	27 1,2,4-Trichlorobenzene	180	1.979	1.974	(0.987)	694280	68.0490	2270
*	28 Naphthalene-d8	136	2.006	2.000	(1.000)	1103598	40.0000	
	29 Naphthalene	128	2.017	2.016	(1.005)	2145361	66.3222	2210
	30 4-Chloroaniline	127	2.075	2.075	(1.035)	600787	54.6631	1820
	31 Hexachlorobutadiene +	225	2.113	2.113	(1.053)	442873	67.5665	2250
	32 4-Chloro-3-Methylphenol +	107	2.428	2.423	(1.211)	640238	61.9954	2070
	33 2-Methylnaphthalene	142	2.450	2.450	(1.221)	1493814	64.3801	2150
	145 1-Methylnapthalene	142	2.509	2.509	(1.251)	1379132	73.3048	2440
	34 Hexachlorocyclopentadiene ++	237	2.557	2.557	(0.831)	246644	38.9440	1300(R)
	35 2,4,6-Trichlorophenol +	196	2.648	2.648	(0.861)	368547	66.0888	2200
	36 2,4,5-Trichlorphenol	196	2.680	2.674	(0.871)	368908	64.0232	2130
$	37 2-Fluorobiphenyl	172	2.691	2.690	(0.875)	750625	37.8423	1260
	38 2-Chloronaphthalene	162	2.744	2.744	(0.892)	1105370	72.5732	2420
	39 2-Nitroaniline	138	2.830	2.829	(0.920)	421868	78.2055	2610
	40 Dimethylphthalate	163	2.963	2.958	(0.963)	1299037	81.7081	2720
	41 2,6-Dinitrotoluene	165	2.985	2.985	(0.970)	293618	73.7157	2460
	42 Acenaphthylene	152	2.990	2.985	(0.972)	1843706	74.4608	2480
	43 3-Nitroaniline	138	3.081	3.081	(1.002)	291704	72.4173	2410
*	44 Acenaphthene-d10	164	3.076	3.076	(1.000)	557628	40.0000	
	45 Acenaphthene +	153	3.097	3.097	(1.007)	1260320	69.9666	2330
	46 2,4-Dinitrophenol ++	184	3.151	3.145	(1.024)	46044	19.9244	664(RM)
	49 4-Nitrophenol ++	109	3.236	3.231	(1.052)	150920	74.3142	2480
	47 Dibenzofuran	168	3.204	3.199	(1.042)	1703373	71.4052	2380
	48 2,4-Dinitrotoluene	165	3.225	3.225	(1.049)	403153	76.3203	2540
	50 Diethylphthalate	149	3.391	3.391	(1.103)	1265062	83.9761	2800
	52 4-Chlorophenyl-phenylether	204	3.429	3.423	(1.115)	660814	79.8699	2660
	51 Fluorene	166	3.407	3.407	(1.108)	1383195	73.3283	2440
	53 4-Nitroaniline	138	3.455	3.450	(1.123)	289598	82.4295	2750
	54 4,6-Dinitro-o-cresol	198	3.471	3.466	(0.876)	96676	27.0120	900(R)
	55 N-nitrosodiphenylamine (1)+	169	3.503	3.503	(0.884)	931325	78.6462	2620
	56 Azobenzene	77	3.520	3.519	(0.888)	1644703	76.2446	2540
$	57 2,4,6-Tribromophenol	332	3.557	3.557	(1.157)	206269	82.8308	2760

000896

167357

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58 4-Bromophenyl-phenylether	248	3.717	3.712	(0.938)	351185	80.4302	2680
	59 Hexachlorobenzene	284	3.739	3.733	(0.943)	434511	75.3619	2510
	60 Pentachlorophenol +	266	3.873	3.867	(0.977)	261921	74.3087	2480
*	61 Phenanthrene-d10	188	3.963	3.958	(1.000)	802350	40.0000	
	62 Phenanthrene	178	3.974	3.974	(1.003)	1771944	73.0234	2430
	63 Anthracene	178	4.006	4.006	(1.011)	1773371	74.2923	2480
	64 Carbazole	167	4.124	4.119	(1.040)	1510963	80.9037	2700
	65 Di-n-butylphthalate	149	4.375	4.375	(1.104)	1853903	86.3294	2880
	67 Fluoranthene +	202	4.686	4.685	(1.182)	1680415	80.4372	2680
	68 Benzidine	184	4.798	4.798	(0.858)	120136	54.1752	1810
	69 Pyrene	202	4.814	4.814	(0.861)	1712181	60.6888	2020
$	70 Terphenyl-d14	244	4.942	4.942	(0.884)	702388	37.7709	1260
	71 Butylbenzylphthalate	149	5.279	5.274	(0.944)	740122	72.7121	2420
	73 3,3'-Dichlorobenzidine	252	5.600	5.595	(1.002)	627690	107.703	3590
	72 Benzo(a)anthracene	228	5.584	5.584	(0.999)	1584690	73.7177	2460
*	74 Chrysene-d12	240	5.589	5.589	(1.000)	699552	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.696	5.696	(1.019)	997909	76.3282	2540
	75 Chrysene	228	5.611	5.605	(1.004)	1785733	75.8715	2530
	77 Di-n-octylphthalate +	149	6.172	6.167	(1.104)	1755364	91.5893	3050
	78 Benzo(b)fluoranthene	252	6.344	6.338	(0.961)	1681576	77.8308	2590
	79 Benzo(k)fluoranthene	252	6.365	6.354	(0.964)	2459580	73.2272	2440
	80 Benzo(a)pyrene +	252	6.563	6.557	(0.994)	1858156	78.6051	2620
*	81 Perylene-d12	264	6.600	6.595	(1.000)	802178	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.317	7.306	(1.309)	2061033	92.9475	3100
	83 Dibenzo(a,h)anthracene	278	7.338	7.333	(1.112)	1859162	72.3016	2410
	84 Benzo(g,h,i)perylene	276	7.478	7.472	(1.133)	1806539	67.3700	2250
M	66 Total Methylphenol	108				1638430	113.770	3790
	91 Acetophenone	105	1.450	1.450	(1.284)	1207511	65.3830	2180
	155 Benzaldehyde	77	0.824	0.824	(0.730)	133769	20.5645	685(R)
	156 Caprolactam	113	2.343	2.332	(1.168)	260757	86.0203	2870
	157 Biphenyl	154	2.744	2.744	(1.368)	1610887	72.3647	2410
	158 Atrazine	200	3.857	3.851	(0.973)	337037	92.0070	3070
	174 1,4-Dioxane	88	0.278	0.273	(0.247)	75405	45.1277	1500

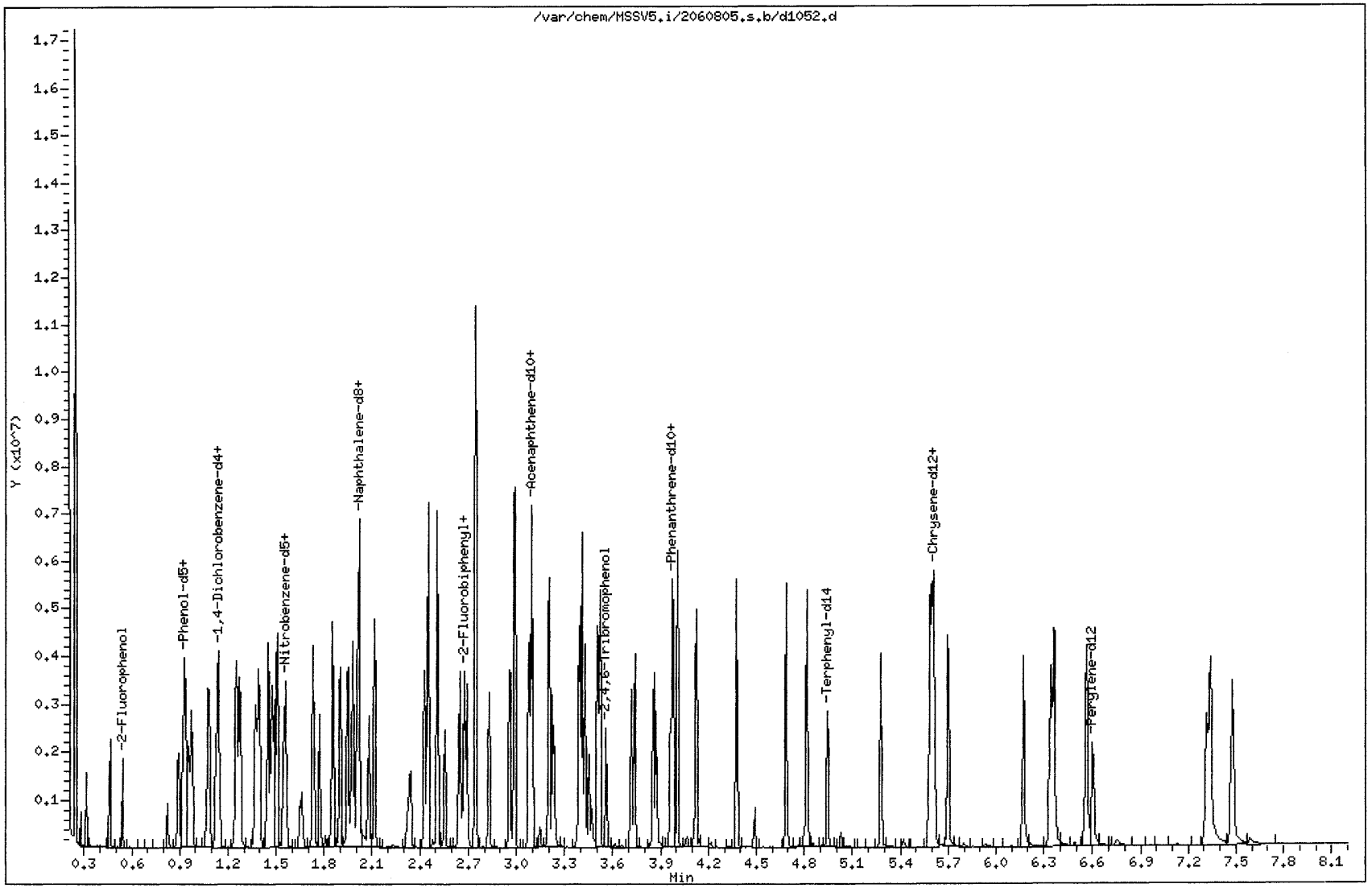
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

000898

Data File: /var/chem/MSSV5.i/2060805.s.b/d1052.d
Date : 05-AUG-2006 20:56
Client ID: 0804LCSD
Sample Info: 397868*LCSD*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

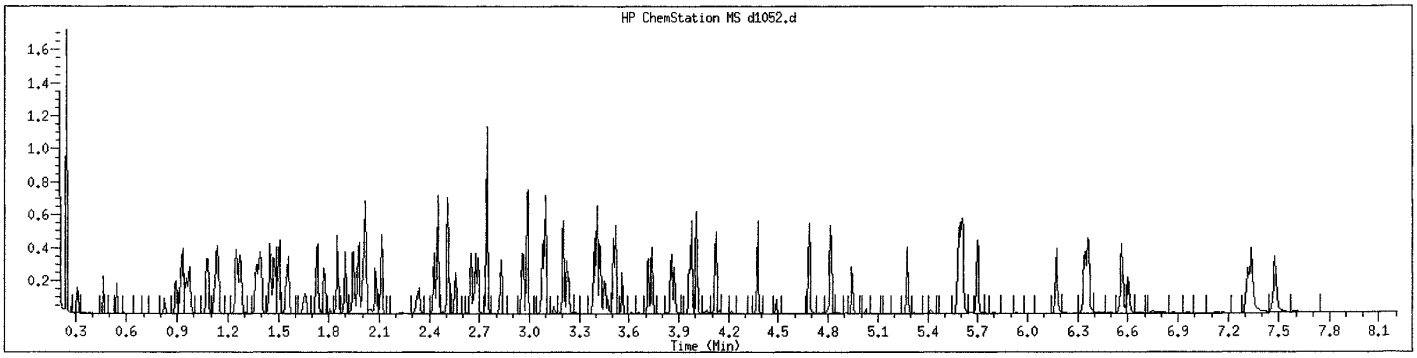
Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060805.s.b/d1052.d Page: 1
Report Date: 08/06/2006 09:30

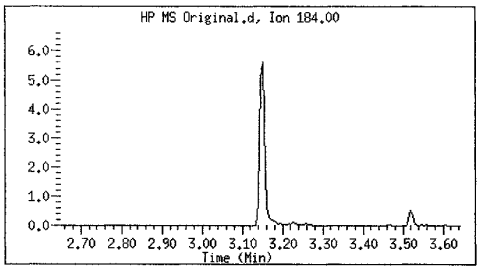
MANUAL INTEGRATION GRAPHIC REPORT

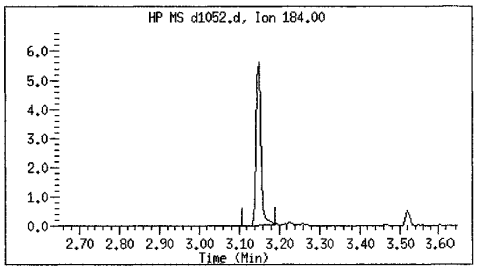
Lab ID	: 397868	SampleType	: LCSD
Injection Date	: 05-AUG-2006 20:56	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 397868*LCSD*		
Misc Info	: 0804LCSD*MSSV~3868~*LCSD*30.0-1*329588*		
Method	: /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5





000899

167360

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: FWPSW01-001 MS
Contract:
Lab File ID: 2060807/D1129
Lab Sample ID: 20608042802
Date Collected: 08/02/06 Time: 0845
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1307
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.078		0.000258	0.010
120-12-7	Anthracene	0.080		0.000350	0.00200
56-55-3	Benzo(a)anthracene	0.074		0.000205	0.010
92-87-5	Benzidine	0.040	U	0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.076		0.000244	0.010
207-08-9	Benzo(k)fluoranthene	0.077		0.000278	0.010
191-24-2	Benzo(g,h,i)perylene	0.081		0.000199	0.010
50-32-8	Benzo(a)pyrene	0.081		0.000130	0.010
65-85-0	Benzoic acid	0.033	J	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.084		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.080		0.000192	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.058		0.000357	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.078		0.000283	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.104		0.000585	0.010
101-55-3	4-Bromophenyl-phenylether	0.077		0.000393	0.010
86-74-8	Carbazole	0.093		0.000214	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.080		0.000355	0.010
218-01-9	Chrysene	0.076		0.000311	0.010
53-70-3	Dibenz(a,h)anthracene	0.080		0.000287	0.010
132-64-9	Dibenzofuran	0.075		0.000228	0.010
91-94-1	3,3'-Dichlorobenzidine	0.089		0.000307	0.020
120-83-2	2,4-Dichlorophenol	0.063		0.000292	0.010
84-66-2	Diethylphthalate	0.091		0.000342	0.010
105-67-9	2,4-Dimethylphenol	0.065		0.00600	0.010
131-11-3	Dimethyl-phthalate	0.086		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.104		0.000337	0.010
51-28-5	2,4-Dinitrophenol	0.070		0.00218	0.050
606-20-2	2,6-Dinitrotoluene	0.084		0.000354	0.010
206-44-0	Fluoranthene	0.093		0.000231	0.00200

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSW01-001 MS
Contract:
Lab File ID: 2060807/D1129
Lab Sample ID: 20608042802
Date Collected: 08/02/06 Time: 0845
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1307
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.079		0.000230	0.010
118-74-1	Hexachlorobenzene	0.071		0.000291	0.010
77-47-4	Hexachlorocyclopentadiene	0.049		0.00185	0.010
67-72-1	Hexachloroethane	0.055		0.00145	0.00500
78-59-1	Isophorone	0.074		0.000271	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.092		0.000240	0.010
91-57-6	2-Methylnaphthalene	0.061		0.000216	0.010
95-48-7	o-Cresol	0.056		0.000240	0.010
98-95-3	Nitrobenzene	0.076		0.000226	0.010
88-75-5	2-Nitrophenol	0.065		0.000378	0.010
62-75-9	N-Nitrosodimethylamine	0.00915	J	0.00113	0.010
86-30-6	N-Nitrosodiphenylamine	0.076		0.000270	0.010
85-01-8	Phenanthrene	0.077		0.000191	0.00200
95-95-4	2,4,5-Trichlorophenol	0.065		0.000373	0.010
88-06-2	2,4,6-Trichlorophenol	0.067		0.000420	0.010
100-51-6	Benzyl alcohol	0.052		0.000265	0.010
62-53-3	Aniline	0.032		0.000340	0.010
110-86-1	Pyridine	0.020		0.00365	0.010
105-60-2	Caprolactam	0.026		0.000309	0.010
98-86-2	Acetophenone	0.073		0.000397	0.010
99-09-2	3-Nitroaniline	0.076		0.000293	0.050
100-01-6	4-Nitroaniline	0.101		0.000821	0.050
84-74-2	Di-n-butylphthalate	0.099		0.000735	0.00500
122-66-7	1,2 Diphenylhydrazine	0.081		0.000204	0.010
88-74-4	2-Nitroaniline	0.091		0.000981	0.050
91-58-7	2-Chloronaphthalene	0.073		0.000326	0.010
106-47-8	4-Chloroaniline	0.052		0.000341	0.010
1912-24-9	Atrazine (Aatrex)	0.102		0.000473	0.020
100-52-7	Benzaldehyde	0.096		0.000470	0.020

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSW01-001 MS
Contract:
Lab File ID: 2060807/D1129
Lab Sample ID: 20608042802
Date Collected: 08/02/06 Time: 0845
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1307
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.073		0.000176	0.010
1319-77-3M	m,p-Cresol	0.055		0.000933	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.070		0.000759	0.050
108-95-2	Phenol	0.027		0.000132	0.010
95-57-8	2-Chlorophenol	0.050		0.000321	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.074		0.000246	0.010
59-50-7	4-Chloro-3-methylphenol	0.066		0.000283	0.010
83-32-9	Acenaphthene	0.075		0.000219	0.010
100-02-7	4-Nitrophenol	0.036	J	0.00175	0.050
121-14-2	2,4-Dinitrotoluene	0.088		0.000400	0.010
87-86-5	Pentachlorophenol	0.060		0.00187	0.050
129-00-0	Pyrene	0.063		0.000234	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1129.d
Lab Smp Id: 20608042802 Client Smp ID: 20608042802
Inj Date : 07-AUG-2006 13:07
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 20608042802*4482*
Misc Info : 20608042802*MSSV~3870~*080428*1000-1*329585*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 12:46 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 8 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/(Vo * Vi) * CpndVariable

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	2 Pyridine	79	0.300	0.305	(0.277)	36937	19.5484	19.5(M)
	1 n-Nitrosodimethylamine	42	0.300	0.300	(0.277)	11015	9.15125	9.15(aR)
$	3 2-Fluorophenol	112	0.524	0.524	(0.485)	74846	40.1825	40.2
$	4 Phenol-d5	99	0.883	0.888	(0.817)	251625	28.9514	29.0
	5 Aniline	93	0.856	0.861	(0.792)	277725	31.8299	31.8
	6 Phenol +	94	0.893	0.893	(0.827)	290260	27.4168	27.4
	7 bis(-2-Chloroethyl)Ether	63	0.915	0.915	(0.847)	588437	57.6912	57.7
	8 2-Chlorophenol	128	0.931	0.931	(0.861)	427175	49.8658	49.9
	9 1,3-Dichlorobenzene	146	1.033	1.033	(0.955)	539281	53.9991	54.0
*	10 1,4-Dichlorobenzene-d4	152	1.081	1.081	(1.000)	202981	40.0000	
	11 1,4-Dichlorobenzene +	146	1.097	1.097	(1.015)	547481	55.1457	55.1
	12 Benzyl alcohol	108	1.230	1.230	(1.139)	365644	51.8673	51.9
	13 1,2-Dichlorobenzene	146	1.209	1.209	(1.119)	537725	56.4217	56.4

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/L)
	15 2-Methylphenol	108	1.348	1.348	(1.247)	546098	55.7815	55.8
	14 Bis(2-chloroisopropyl)ether	45	1.332	1.332	(1.233)	1119629	78.3421	78.3
	17 3- & 4-Methylphenol	108	1.466	1.466	(1.356)	519344	54.7079	54.7
	16 N-Nitroso-di-n-propylamine++	70	1.434	1.434	(1.327)	563199	74.2669	74.3
	18 Hexachloroethane	117	1.450	1.450	(1.341)	202588	54.6290	54.6
$	19 Nitrobenzene-d5	82	1.509	1.503	(0.766)	394001	39.4203	39.4
	20 Nitrobenzene	77	1.519	1.519	(0.772)	781637	76.4206	76.4
	21 Isophorone	82	1.690	1.690	(0.859)	1356381	74.2527	74.3
	22 2-Nitrophenol +	139	1.733	1.733	(0.880)	291251	65.4281	65.4
	23 2,4-Dimethyphenol	107	1.813	1.813	(0.921)	585720	65.3326	65.3
	24 bis(-2-Chloroethoxy)methane	93	1.862	1.862	(0.946)	809069	79.9752	80.0
	25 Benzoic Acid	122	1.926	1.942	(0.978)	107402	32.7242	32.7
	26 2,4-Dichlorophenol +	162	1.910	1.910	(0.970)	377337	63.3070	63.3
	27 1,2,4-Trichlorobenzene	180	1.942	1.942	(0.986)	382193	55.4456	55.4
*	28 Naphthalene-d8	136	1.969	1.969	(1.000)	745613	40.0000	
	29 Naphthalene	128	1.979	1.979	(1.005)	1427223	65.3052	65.3
	30 4-Chloroaniline	127	2.043	2.043	(1.038)	389171	52.1121	52.1
	31 Hexachlorobutadiene +	225	2.081	2.081	(1.057)	213928	48.3078	48.3
	32 4-Chloro-3-Methylphenol +	107	2.386	2.391	(1.212)	461735	66.1771	66.2
	33 2-Methylnaphthalene	142	2.418	2.418	(1.228)	961668	61.3448	61.3
	145 1-Methylnapthalene	142	2.477	2.471	(1.258)	898470	70.6850	70.7
	34 Hexachlorocyclopentadiene ++	237	2.525	2.525	(0.830)	204448	48.6258	48.6
	35 2,4,6-Trichlorophenol +	196	2.610	2.610	(0.858)	246025	66.4551	66.5
	36 2,4,5-Trichlorphenol	196	2.637	2.642	(0.866)	249735	65.2849	65.3
$	37 2-Fluorobiphenyl	172	2.659	2.659	(0.873)	481224	36.5440	36.5
	38 2-Chloronaphthalene	162	2.712	2.707	(0.891)	733887	72.5791	72.6
	39 2-Nitroaniline	138	2.798	2.792	(0.919)	324848	90.7099	90.7
	40 Dimethylphthalate	163	2.926	2.926	(0.961)	909205	86.1429	86.1
	41 2,6-Dinitrotoluene	165	2.953	2.953	(0.970)	221471	83.7545	83.8
	42 Acenaphthylene	152	2.953	2.953	(0.970)	1281767	77.9757	78.0
	43 3-Nitroaniline	138	3.049	3.049	(1.002)	203167	75.9744	76.0
*	44 Acenaphthene-d10	164	3.044	3.044	(1.000)	370195	40.0000	
	45 Acenaphthene +	153	3.065	3.060	(1.007)	890710	74.4836	74.5
	46 2,4-Dinitrophenol ++	184	3.113	3.113	(1.023)	127908	70.3203	70.3
	49 4-Nitrophenol ++	109	3.204	3.204	(1.053)	48730	36.1439	36.1
	47 Dibenzofuran	168	3.167	3.167	(1.040)	1191419	75.2313	75.2
	48 2,4-Dinitrotoluene	165	3.193	3.193	(1.049)	307560	87.7029	87.7
	50 Diethylphthalate	149	3.359	3.359	(1.104)	911228	91.1140	91.1
	52 4-Chlorophenyl-phenylether	204	3.397	3.391	(1.116)	438029	79.7481	79.7
	51 Fluorene	166	3.375	3.370	(1.109)	992729	79.2744	79.3
	53 4-Nitroaniline	138	3.423	3.418	(1.125)	235453	100.950	101
	54 4,6-Dinitro-o-cresol	198	3.439	3.434	(0.876)	186507	70.4089	70.4
	55 N-nitrosodiphenylamine (1)+	169	3.472	3.472	(0.884)	668471	76.2701	76.3
	56 Azobenzene	77	3.488	3.488	(0.888)	1295950	81.1718	81.2
$	57 2,4,6-Tribromophenol	332	3.525	3.525	(1.158)	131928	79.8011	79.8
	58 4-Bromophenyl-phenylether	248	3.686	3.680	(0.939)	250258	77.4402	77.4
	59 Hexachlorobenzene	284	3.702	3.702	(0.943)	304204	71.2872	71.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	3.835	3.835	(0.977)	157291	60.2932	60.3
*	61 Phenanthrene-d10	188	3.926	3.926	(1.000)	593839	40.0000	
	62 Phenanthrene	178	3.942	3.942	(1.004)	1375471	76.5877	76.6
	63 Anthracene	178	3.974	3.969	(1.012)	1412096	79.9289	79.9
	64 Carbazole	167	4.092	4.087	(1.042)	1287461	93.1416	93.1
	65 Di-n-butylphthalate	149	4.343	4.343	(1.106)	1576348	99.1788	99.2
	67 Fluoranthene +	202	4.654	4.648	(1.185)	1432235	92.6296	92.6
	68 Benzidine	184	4.910	4.766	(0.884)	5986	3.30554	3.31(aR)
	69 Pyrene	202	4.782	4.777	(0.861)	1457678	63.2702	63.3
$	70 Terphenyl-d14	244	4.910	4.910	(0.884)	471585	31.0541	31.1
	71 Butylbenzylphthalate	149	5.242	5.242	(0.944)	695752	83.7021	83.7
	73 3,3'-Dichlorobenzidine	252	5.563	5.563	(1.002)	422783	88.8335	88.8
	72 Benzo(a)anthracene	228	5.547	5.547	(0.999)	1297840	73.9254	73.9
*	74 Chrysene-d12	240	5.552	5.552	(1.000)	571270	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.664	5.664	(1.020)	1110098	103.852	104
	75 Chrysene	228	5.574	5.568	(1.004)	1462735	76.1038	76.1
	77 Di-n-octylphthalate +	149	6.135	6.135	(1.105)	1630042	104.149	104
	78 Benzo(b)fluoranthene	252	6.301	6.296	(0.961)	1175912	76.3893	76.4
	79 Benzo(k)fluoranthene	252	6.317	6.312	(0.963)	1852469	77.1814	77.2
	80 Benzo(a)pyrene +	252	6.520	6.515	(0.994)	1360017	80.5124	80.5
*	81 Perylene-d12	264	6.558	6.552	(1.000)	573219	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.269	7.264	(1.309)	1669038	92.2948	92.3
	83 Dibenzo(a,h)anthracene	278	7.296	7.285	(1.113)	1482252	79.6715	79.7
	84 Benzo(g,h,i)perylene	276	7.435	7.424	(1.134)	1579438	80.8134	80.8
M	66 Total Methylphenol	108				1065442	110.489	110
	91 Acetophenone	105	1.412	1.407	(1.307)	901642	72.9583	73.0
	155 Benzaldehyde	77	0.797	0.797	(0.738)	172757	95.5337	95.5
	156 Caprolactam	113	2.273	2.284	(1.155)	53925	26.3301	26.3
	157 Biphenyl	154	2.712	2.712	(1.378)	1100260	73.4038	73.4
	158 Atrazine	200	3.825	3.819	(0.974)	275340	101.556	102
	174 1,4-Dioxane	88	0.268	0.268	(0.248)	41249	36.8913	36.9

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060807.s.b/d1129.d

Page 1

Date : 07-AUG-2006 13:07

Client ID: 20608042802

Instrument: MSSV5.i

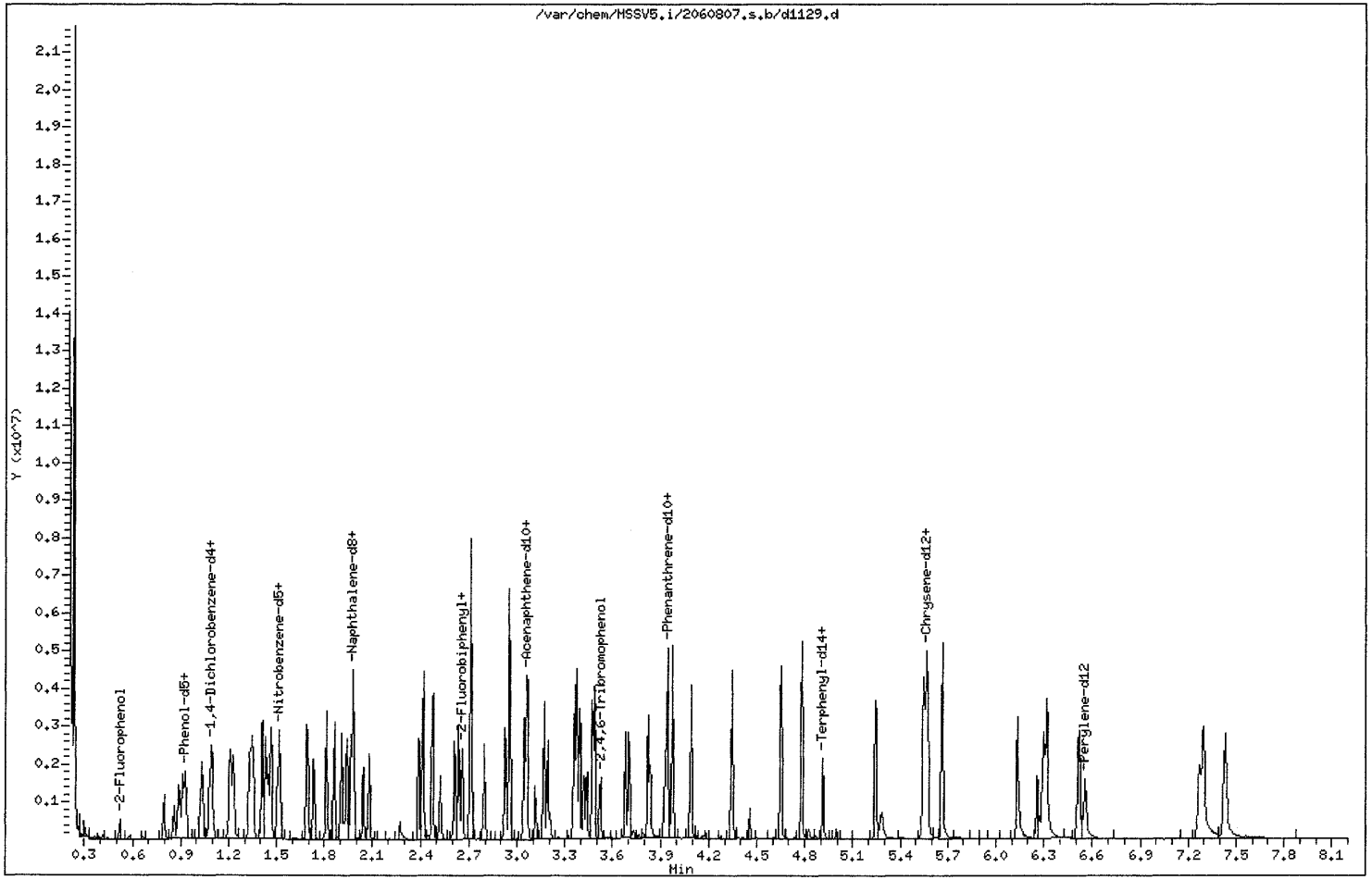
Sample Info: 20608042802*4482*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

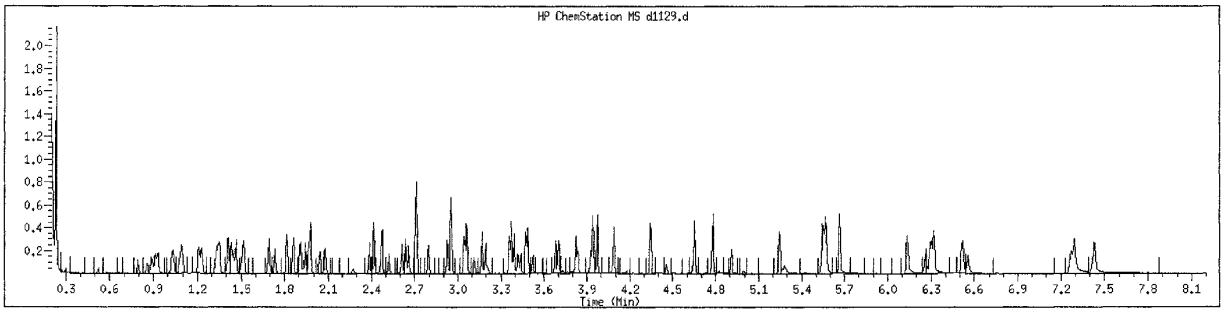
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060807.s.b/d1129.d Page: 1
Report Date: 08/07/2006 15:26

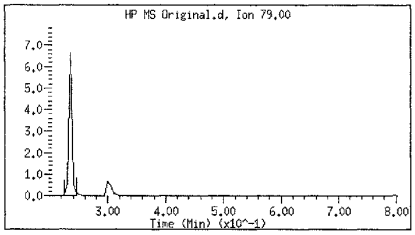
MANUAL INTEGRATION GRAPHIC REPORT

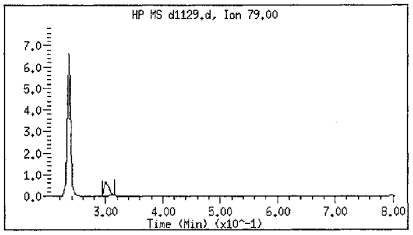
Lab ID : 20608042802 SampleType : MS
Injection Date: 07-AUG-2006 13:07 Instrument : MSSV5.i
Operator : jar3
Sample Info : 20608042802*4482*
Misc Info : 20608042802*MSSV~3870~*080428*1000-1*329585*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



Original Final

2 Pyridine CAS#: 110-86-1





000907

167368

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5) MS
Contract:
Lab File ID: 2060806/D1072
Lab Sample ID: 20608043102
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/06/06 Time: 1607
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329692

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	5.05		0.012	0.559
95-95-4	2,4,5-Trichlorophenol	3.77		0.011	0.559
88-06-2	2,4,6-Trichlorophenol	4.05		0.025	0.559
120-83-2	2,4-Dichlorophenol	3.88		0.015	0.559
51-28-5	2,4-Dinitrophenol	2.65	J	0.096	2.83
121-14-2	2,4-Dinitrotoluene	4.38		0.025	0.559
606-20-2	2,6-Dinitrotoluene	4.36		0.014	0.559
91-58-7	2-Chloronaphthalene	4.48		0.015	0.559
95-57-8	2-Chlorophenol	3.31		0.00895	0.559
91-57-6	2-Methylnaphthalene	3.88		0.016	0.112
88-74-4	2-Nitroaniline	4.38		0.037	2.83
88-75-5	2-Nitrophenol	3.95		0.022	0.559
91-94-1	3,3'-Dichlorobenzidine	4.15		0.070	1.12
99-09-2	3-Nitroaniline	1.41	J	0.015	2.83
534-52-1	2-Methyl-4,6-dinitrophenol	3.64		0.029	2.83
59-50-7	4-Chloro-3-methylphenol	3.64		0.022	0.559
106-47-8	4-Chloroaniline	1.16		0.049	0.559
7005-72-3	4-Chlorophenyl-phenylether	4.45		0.015	0.559
83-32-9	Acenaphthene	4.27		0.015	0.112
208-96-8	Acenaphthylene	4.51		0.017	0.112
98-86-2	Acetophenone	4.00		0.012	0.559
62-53-3	Aniline	1.25		0.011	0.559
120-12-7	Anthracene	4.51		0.016	0.112
1912-24-9	Atrazine (Aatrex)	5.43		0.029	1.12
100-52-7	Benzaldehyde	1.40		0.043	1.12
92-87-5	Benzidine	2.24	U	0.075	2.24
56-55-3	Benzo(a)anthracene	4.53		0.015	0.112
50-32-8	Benzo(a)pyrene	4.74		0.015	0.112
205-99-2	Benzo(b)fluoranthene	5.19		0.010	0.559

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5) MS
Contract:
Lab File ID: 2060806/D1072
Lab Sample ID: 20608043102
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/06/06 Time: 1607
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329692

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	5.41		0.015	0.559
207-08-9	Benzo(k)fluoranthene	3.81		0.023	0.559
65-85-0	Benzoic acid	1.27	J	0.261	2.83
100-51-6	Benzyl alcohol	3.81		0.017	0.559
92-52-4	Biphenyl	4.43		0.016	0.559
111-91-1	Bis(2-Chloroethoxy)methane	4.46		0.019	0.559
111-44-4	Bis(2-Chloroethyl)ether	3.50		0.017	0.559
108-60-1	bis(2-Chloroisopropyl)ether	4.24		0.022	0.559
117-81-7	bis(2-ethylhexyl)phthalate	4.45		0.015	0.112
101-55-3	4-Bromophenyl-phenylether	4.93		0.014	0.559
85-68-7	Butylbenzylphthalate	4.41		0.018	0.559
105-60-2	Caprolactam	4.93		0.116	0.559
86-74-8	Carbazole	3.86		0.014	0.559
218-01-9	Chrysene	4.58		0.013	0.559
84-74-2	Di-n-butylphthalate	5.12		0.042	0.559
117-84-0	Di-n-octylphthalate	5.39		0.012	0.559
53-70-3	Dibenz(a,h)anthracene	5.53		0.014	0.112
132-64-9	Dibenzofuran	4.14		0.021	0.559
84-66-2	Diethylphthalate	4.65		0.025	0.559
131-11-3	Dimethyl-phthalate	4.79		0.018	0.559
105-67-9	2,4-Dimethylphenol	3.89		0.038	0.559
206-44-0	Fluoranthene	4.46		0.016	0.559
86-73-7	Fluorene	4.29		0.014	0.112
118-74-1	Hexachlorobenzene	4.67		0.018	0.559
77-47-4	Hexachlorocyclopentadiene	0.748		0.012	0.559
67-72-1	Hexachloroethane	3.57		0.023	0.559
193-39-5	Indeno(1,2,3-cd)pyrene	7.05		0.024	0.559
78-59-1	Isophorone	4.26		0.014	0.559
100-01-6	4-Nitroaniline	2.33	J	0.040	2.83

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206080431

Matrix: Soil

Sample wt/vol: 30.5 Units: g

Level: (low/med) LOW

% Moisture: 42.0 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: FWPSE01-001-(0-0.5) MS

Contract:

Lab File ID: 2060806/D1072

Lab Sample ID: 20608043102

Date Collected: 08/02/06 Time: 1350

Date Received: 08/04/06

Date Extracted: 08/04/06

Date Analyzed: 08/06/06 Time: 1607

Dilution Factor: 1 Analyst: RRR

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV5

Prep Batch: 329588 Analytical Batch: 329692

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	4.08		0.021	0.559
100-02-7	4-Nitrophenol	3.89		0.074	2.83
87-86-5	Pentachlorophenol	3.22		0.146	2.83
85-01-8	Phenanthrene	4.46		0.018	0.112
108-95-2	Phenol	3.38		0.018	0.559
129-00-0	Pyrene	3.76		0.018	0.559
110-86-1	Pyridine	3.48		0.034	0.559
1319-77-3M	m,p-Cresol	3.88		0.021	0.559
621-64-7	N-Nitroso-di-n-propylamine	4.55		0.015	0.112
62-75-9	N-Nitrosodimethylamine	0.750		0.073	0.559
86-30-6	N-Nitrosodiphenylamine	4.76		0.017	0.559
95-48-7	o-Cresol	3.58		0.023	0.559

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060806.s.b/d1072.d
Lab Smp Id: 20608043102 Client Smp ID: 20608043102
Inj Date : 06-AUG-2006 16:07
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043102*4482*
Misc Info : 20608043102*MSSV~3869~*080431*30.5-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 19:08 rrr Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 12 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	30.50000	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)
	2 Pyridine	79	0.305	0.305	(0.280)	148304	61.4584	2020
	1 n-Nitrosodimethylamine	42	0.305	0.300	(0.280)	20380	13.2582	435(R)
$	3 2-Fluorophenol	112	0.530	0.524	(0.485)	177335	74.5500	2440
$	4 Phenol-d5	99	0.899	0.893	(0.824)	712260	64.1712	2100
	5 Aniline	93	0.872	0.867	(0.799)	246252	22.0997	725
	6 Phenol +	94	0.904	0.904	(0.828)	806459	59.6482	1960
	7 bis(-2-Chloroethyl)Ether	63	0.925	0.926	(0.848)	805207	61.8163	2030
	8 2-Chlorophenol	128	0.942	0.942	(0.863)	639876	58.4895	1920
	9 1,3-Dichlorobenzene	146	1.043	1.043	(0.956)	807310	63.2990	2080
*	10 1,4-Dichlorobenzene-d4	152	1.091	1.091	(1.000)	259221	40.0000	
	11 1,4-Dichlorobenzene +	146	1.107	1.102	(1.015)	823571	64.9574	2130

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	12	Benzyl alcohol	108	1.241	1.241	(1.137)	606987	67.4217	2210
	13	1,2-Dichlorobenzene	146	1.220	1.214	(1.118)	800273	65.7521	2160
	15	2-Methylphenol	108	1.359	1.359	(1.245)	794822	63.5733	2080
	14	Bis(2-chloroisopropyl)ether	45	1.343	1.343	(1.230)	1371080	75.1223	2460
	17	3- & 4-Methylphenol	108	1.476	1.476	(1.353)	831206	68.5628	2250
	16	N-Nitroso-di-n-propylamine++	70	1.444	1.439	(1.323)	760435	80.4950	2640
	18	Hexachloroethane	117	1.455	1.455	(1.333)	299421	63.2233	2070
$	19	Nitrobenzene-d5	82	1.514	1.514	(0.767)	485712	37.2388	1220
	20	Nitrobenzene	77	1.530	1.530	(0.775)	963537	72.1883	2370
	21	Isophorone	82	1.701	1.701	(0.862)	1794385	75.2731	2470
	22	2-Nitrophenol +	139	1.744	1.744	(0.883)	406602	69.9939	2290
	23	2,4-Dimethyphenol	107	1.824	1.824	(0.924)	807815	69.0471	2260
	24	bis(-2-Chloroethoxy)methane	93	1.867	1.867	(0.946)	1042293	78.9502	2590
	25	Benzoic Acid	122	1.931	1.958	(0.978)	96578	22.5490	739
	26	2,4-Dichlorophenol +	162	1.915	1.915	(0.970)	533141	68.5422	2250
	27	1,2,4-Trichlorobenzene	180	1.947	1.947	(0.986)	611886	68.0219	2230
*	28	Naphthalene-d8	136	1.974	1.974	(1.000)	973016	40.0000	
	29	Naphthalene	128	1.984	1.985	(1.005)	2042958	71.6323	2350
	30	4-Chloroaniline	127	2.070	2.049	(1.049)	214204	20.5537	674
	31	Hexachlorobutadiene +	225	2.086	2.086	(1.057)	387250	67.0093	2200
	32	4-Chloro-3-Methylphenol +	107	2.402	2.396	(1.217)	585181	64.2686	2110
	33	2-Methylnaphthalene	142	2.423	2.423	(1.228)	1404847	68.6712	2250
	145	1-Methylnapthalene	142	2.482	2.482	(1.257)	1295249	78.0855	2560
	34	Hexachlorocyclopentadiene ++	237	2.530	2.530	(0.830)	70376	13.2317	434(R)
	35	2,4,6-Trichlorophenol +	196	2.621	2.621	(0.860)	336162	71.7802	2350
	36	2,4,5-Trichlorphenol	196	2.648	2.648	(0.868)	323911	66.9371	2190
$	37	2-Fluorobiphenyl	172	2.664	2.664	(0.874)	664313	39.8794	1310
	38	2-Chloronaphthalene	162	2.717	2.717	(0.891)	1014908	79.3445	2600
	39	2-Nitroaniline	138	2.803	2.803	(0.919)	350410	77.3497	2540
	40	Dimethylphthalate	163	2.937	2.931	(0.963)	1131123	84.7179	2780
	41	2,6-Dinitrotoluene	165	2.958	2.958	(0.970)	257805	77.0708	2530
	42	Acenaphthylene	152	2.958	2.958	(0.970)	1661484	79.9012	2620
	43	3-Nitroaniline	138	3.065	3.054	(1.005)	84501	24.9795	819
*	44	Acenaphthene-d10	164	3.049	3.049	(1.000)	468299	40.0000	
	45	Acenaphthene +	153	3.070	3.070	(1.007)	1145812	75.7434	2480
	46	2,4-Dinitrophenol ++	184	3.118	3.119	(1.023)	104467	46.8538	1540
	49	4-Nitrophenol ++	109	3.209	3.209	(1.053)	117455	68.8680	2260
	47	Dibenzofuran	168	3.177	3.172	(1.042)	1468781	73.3159	2400
	48	2,4-Dinitrotoluene	165	3.199	3.199	(1.049)	343221	77.3687	2540
	50	Diethylphthalate	149	3.364	3.365	(1.103)	1042059	82.3679	2700
	52	4-Chlorophenyl-phenylether	204	3.402	3.397	(1.116)	547225	78.7573	2580
	51	Fluorene	166	3.380	3.381	(1.109)	1201746	75.8616	2490
	53	4-Nitroaniline	138	3.429	3.423	(1.125)	121127	41.0534	1350
	54	4,6-Dinitro-o-cresol	198	3.439	3.439	(0.875)	169261	64.2558	2110
	55	N-nitrosodiphenylamine (1)+	169	3.482	3.477	(0.886)	734363	84.2569	2760
	56	Azobenzene	77	3.493	3.493	(0.888)	1420668	89.4814	2930
$	57	2,4,6-Tribromophenol	332	3.530	3.530	(1.158)	156093	74.6385	2450

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
58	4-Bromophenyl-phenylether	248	3.691	3.686	(0.939)	280661	87.3340	2860
59	Hexachlorobenzene	284	3.712	3.707	(0.944)	350106	82.5029	2710
60	Pentachlorophenol +	266	3.840	3.841	(0.977)	147897	57.0094	1870
* 61	Phenanthrene-d10	188	3.931	3.932	(1.000)	590535	40.0000	
62	Phenanthrene	178	3.947	3.948	(1.004)	1408426	78.8614	2590
63	Anthracene	178	3.980	3.980	(1.012)	1403922	79.9108	2620
64	Carbazole	167	4.092	4.092	(1.041)	939732	68.3655	2240
65	Di-n-butylphthalate	149	4.349	4.349	(1.106)	1432353	90.6233	2970
67	Fluoranthene +	202	4.664	4.654	(1.186)	1215788	79.0708	2590
69	Pyrene	202	4.787	4.787	(0.861)	1355830	66.4359	2180
$ 70	Terphenyl-d14	244	4.916	4.916	(0.884)	488238	36.2953	1190
71	Butylbenzylphthalate	149	5.247	5.247	(0.944)	575411	78.1484	2560
73	3,3'-Dichlorobenzidine	252	5.573	5.568	(1.003)	309668	73.4540	2410
72	Benzo(a)anthracene	228	5.552	5.547	(0.999)	1248992	80.1455	2630
* 74	Chrysene-d12	240	5.557	5.558	(1.000)	506036	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.670	5.670	(1.020)	744710	78.7336	2580
75	Chrysene	228	5.573	5.574	(1.003)	1381512	81.1438	2660
77	Di-n-octylphthalate +	149	6.140	6.141	(1.105)	1324176	95.5129	3130
78	Benzo(b)fluoranthene	252	6.306	6.301	(0.961)	1518117	91.8782	3010
79	Benzo(k)fluoranthene	252	6.328	6.317	(0.964)	1678221	67.2729	2210
80	Benzo(a)pyrene +	252	6.525	6.520	(0.994)	1470664	83.7648	2750
* 81	Perylene-d12	264	6.563	6.558	(1.000)	595787	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.280	7.269	(1.310)	2137680	124.644	4090
83	Dibenzo(a,h)anthracene	278	7.301	7.290	(1.112)	1951942	98.0064	3210
84	Benzo(g,h,i)perylene	276	7.445	7.430	(1.134)	1986334	95.6751	3140
M 66	Total Methylphenol	108				1626028	132.136	4330
91	Acetophenone	105	1.418	1.418	(1.299)	1118774	70.8872	2320
155	Benzaldehyde	77	0.802	0.803	(0.735)	123589	24.8096	813(R)
156	Caprolactam	113	2.300	2.300	(1.165)	233058	87.2006	2860(M)
157	Biphenyl	154	2.717	2.717	(1.377)	1508253	78.3317	2570
158	Atrazine	200	3.830	3.825	(0.974)	259241	96.1535	3150
174	1,4-Dioxane	88	0.273	0.268	(0.250)	52645	36.8682	1210

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060806.s.b/d1072.d

Page 1

Date : 06-AUG-2006 16:07

Client ID: 20608043102

Instrument: MSSV5.i

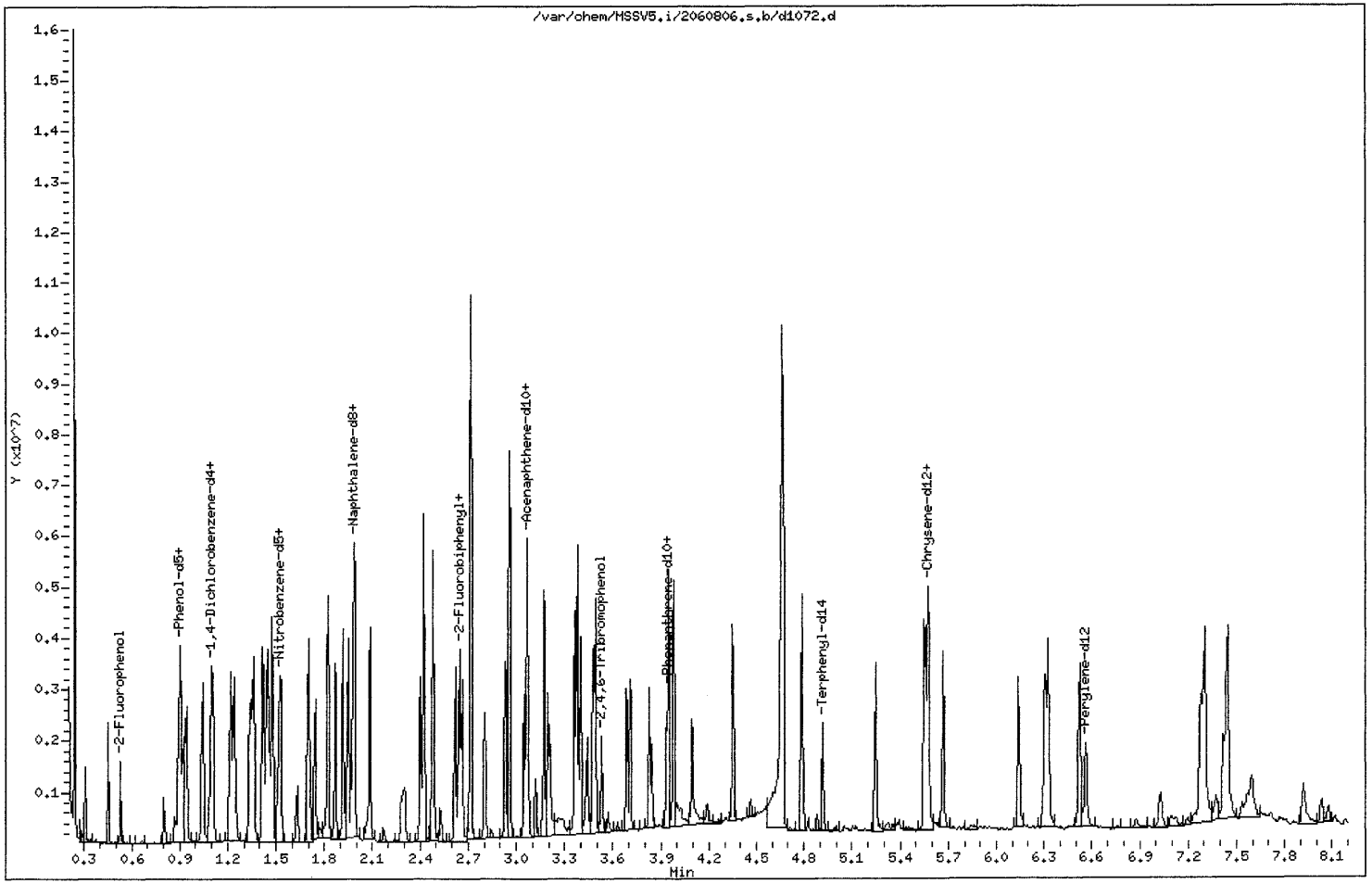
Sample Info: 20608043102*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

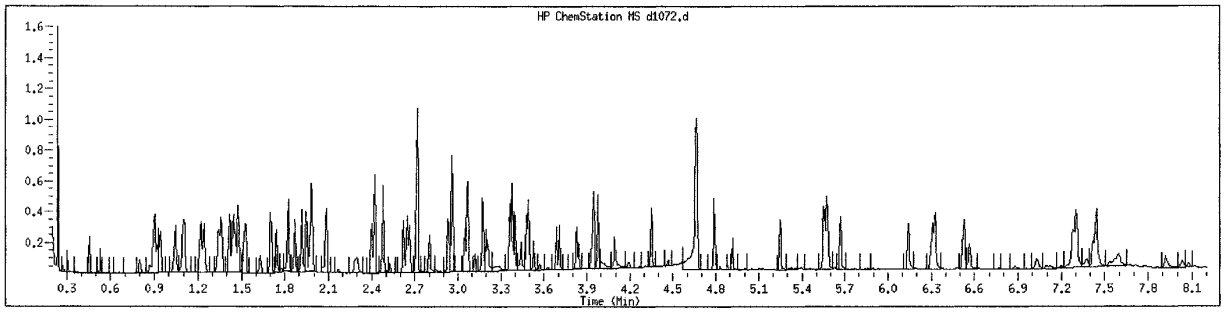
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060806.s.b/d1072.d Page: 1
Report Date: 08/06/2006 19:12

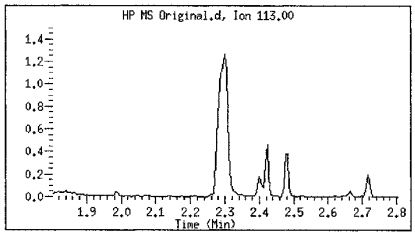
MANUAL INTEGRATION GRAPHIC REPORT

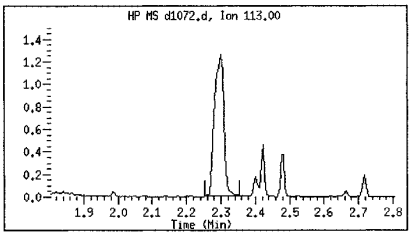
Lab ID : 20608043102 SampleType : MS
Injection Date: 06-AUG-2006 16:07 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043102*4482*
Misc Info : 20608043102*MSSV~3869~*080431*30.5-1*329588*
Method : /var/chem/MSSV5.i/2060806.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

156 Caprolactam CAS#: 105-60-2





000915

167376

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSW01-001 MSD
Contract:
Lab File ID: 2060807/D1131
Lab Sample ID: 20608042803
Date Collected: 08/02/06 Time: 0845
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1336
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.078		0.000258	0.010
120-12-7	Anthracene	0.084		0.000350	0.00200
56-55-3	Benzo(a)anthracene	0.084		0.000205	0.010
92-87-5	Benzidine	0.036	J	0.00718	0.040
205-99-2	Benzo(b)fluoranthene	0.090		0.000244	0.010
207-08-9	Benzo(k)fluoranthene	0.076		0.000278	0.010
191-24-2	Benzo(g,h,i)perylene	0.089		0.000199	0.010
50-32-8	Benzo(a)pyrene	0.087		0.000130	0.010
65-85-0	Benzoic acid	0.038	J	0.00100	0.050
85-68-7	Butylbenzylphthalate	0.091		0.000356	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.084		0.000192	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.061		0.000357	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.079		0.000283	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.096		0.000585	0.010
101-55-3	4-Bromophenyl-phenylether	0.079		0.000393	0.010
86-74-8	Carbazole	0.098		0.000214	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.083		0.000355	0.010
218-01-9	Chrysene	0.080		0.000311	0.010
53-70-3	Dibenz(a,h)anthracene	0.087		0.000287	0.010
132-64-9	Dibenzofuran	0.075		0.000228	0.010
91-94-1	3,3'-Dichlorobenzidine	0.096		0.000307	0.020
120-83-2	2,4-Dichlorophenol	0.068		0.000292	0.010
84-66-2	Diethylphthalate	0.091		0.000342	0.010
105-67-9	2,4-Dimethylphenol	0.070		0.00600	0.010
131-11-3	Dimethyl-phthalate	0.088		0.000206	0.010
117-84-0	Di-n-octylphthalate	0.114		0.000337	0.010
51-28-5	2,4-Dinitrophenol	0.069		0.00218	0.050
606-20-2	2,6-Dinitrotoluene	0.082		0.000354	0.010
206-44-0	Fluoranthene	0.095		0.000231	0.00200

167377

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSW01-001 MSD
Contract:
Lab File ID: 2060807/D1131
Lab Sample ID: 20608042803
Date Collected: 08/02/06 Time: 0845
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1336
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.081		0.000230	0.010
118-74-1	Hexachlorobenzene	0.073		0.000291	0.010
77-47-4	Hexachlorocyclopentadiene	0.045		0.00185	0.010
67-72-1	Hexachloroethane	0.056		0.00145	0.00500
78-59-1	Isophorone	0.078		0.000271	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.101		0.000240	0.010
91-57-6	2-Methylnaphthalene	0.060		0.000216	0.010
95-48-7	o-Cresol	0.061		0.000240	0.010
98-95-3	Nitrobenzene	0.079		0.000226	0.010
88-75-5	2-Nitrophenol	0.071		0.000378	0.010
62-75-9	N-Nitrosodimethylamine	0.018		0.00113	0.010
86-30-6	N-Nitrosodiphenylamine	0.080		0.000270	0.010
85-01-8	Phenanthrene	0.081		0.000191	0.00200
95-95-4	2,4,5-Trichlorophenol	0.069		0.000373	0.010
88-06-2	2,4,6-Trichlorophenol	0.071		0.000420	0.010
100-51-6	Benzyl alcohol	0.058		0.000265	0.010
62-53-3	Aniline	0.043		0.000340	0.010
110-86-1	Pyridine	0.025		0.00365	0.010
105-60-2	Caprolactam	0.029		0.000309	0.010
98-86-2	Acetophenone	0.077		0.000397	0.010
99-09-2	3-Nitroaniline	0.079		0.000293	0.050
100-01-6	4-Nitroaniline	0.101		0.000821	0.050
84-74-2	Di-n-butylphthalate	0.100		0.000735	0.00500
122-66-7	1,2 Diphenylhydrazine	0.087		0.000204	0.010
88-74-4	2-Nitroaniline	0.092		0.000981	0.050
91-58-7	2-Chloronaphthalene	0.072		0.000326	0.010
106-47-8	4-Chloroaniline	0.064		0.000341	0.010
1912-24-9	Atrazine (Aatrex)	0.104		0.000473	0.020
100-52-7	Benzaldehyde	0.104		0.000470	0.020

167378

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSW01-001 MSD
Contract:
Lab File ID: 2060807/D1131
Lab Sample ID: 20608042803
Date Collected: 08/02/06 Time: 0845
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1336
Dilution Factor: 1 Analyst: JAR3
Prep Method: 3510C
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329585 Analytical Batch: 329694

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	0.071		0.000176	0.010
1319-77-3M	m,p-Cresol	0.059		0.000933	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.073		0.000759	0.050
108-95-2	Phenol	0.031		0.000132	0.010
95-57-8	2-Chlorophenol	0.053		0.000321	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.080		0.000246	0.010
59-50-7	4-Chloro-3-methylphenol	0.068		0.000283	0.010
83-32-9	Acenaphthene	0.074		0.000219	0.010
100-02-7	4-Nitrophenol	0.036	J	0.00175	0.050
121-14-2	2,4-Dinitrotoluene	0.088		0.000400	0.010
87-86-5	Pentachlorophenol	0.066		0.00187	0.050
129-00-0	Pyrene	0.070		0.000234	0.00200

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060807.s.b/d1131.d
Lab Smp Id: 20608042803 Client Smp ID: 20608042803
Inj Date : 07-AUG-2006 13:36
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 20608042803*4482*
Misc Info : 20608042803*MSSV~3870~*080428*1000-1*329585*
Comment :
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Meth Date : 07-Aug-2006 12:46 jar3 Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 9 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/(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	0.300	0.305	(0.277)	51119	25.1460	25.1(M)
	1 n-Nitrosodimethylamine	42	0.300	0.300	(0.277)	23443	18.1027	18.1
$	3 2-Fluorophenol	112	0.524	0.524	(0.485)	88602	44.2126	44.2
$	4 Phenol-d5	99	0.888	0.888	(0.822)	309725	33.1228	33.1
	5 Aniline	93	0.856	0.861	(0.792)	403534	42.9868	43.0
	6 Phenol +	94	0.893	0.893	(0.827)	350426	30.7653	30.8
	7 bis(-2-Chloroethyl)Ether	63	0.915	0.915	(0.847)	668759	60.9416	60.9
	8 2-Chlorophenol	128	0.931	0.931	(0.861)	487767	52.9229	52.9
	9 1,3-Dichlorobenzene	146	1.032	1.033	(0.955)	590379	54.9461	54.9
*	10 1,4-Dichlorobenzene-d4	152	1.081	1.081	(1.000)	218384	40.0000	
	11 1,4-Dichlorobenzene +	146	1.097	1.097	(1.015)	604464	56.5910	56.6
	12 Benzyl alcohol	108	1.230	1.230	(1.139)	438305	57.7891	57.8
	13 1,2-Dichlorobenzene	146	1.209	1.209	(1.119)	583133	56.8707	56.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
15	2-Methylphenol	108	1.353	1.348	(1.252)	646916	61.4189	61.4
14	Bis(2-chloroisopropyl)ether	45	1.332	1.332	(1.233)	1221151	79.4191	79.4
17	3- & 4-Methylphenol	108	1.466	1.466	(1.356)	603196	59.0593	59.1
16	N-Nitroso-di-n-propylamine++	70	1.434	1.434	(1.327)	635367	79.5337	79.5
18	Hexachloroethane	117	1.450	1.450	(1.341)	223897	56.1168	56.1
$ 19	Nitrobenzene-d5	82	1.509	1.503	(0.766)	450235	41.7023	41.7
20	Nitrobenzene	77	1.519	1.519	(0.772)	868292	78.5902	78.6
21	Isophorone	82	1.696	1.690	(0.861)	1543264	78.2111	78.2
22	2-Nitrophenol +	139	1.733	1.733	(0.880)	341350	70.9895	71.0
23	2,4-Dimethyphenol	107	1.813	1.813	(0.921)	677938	70.0048	70.0
24	bis(-2-Chloroethoxy)methane	93	1.862	1.862	(0.946)	919186	84.1145	84.1
25	Benzoic Acid	122	1.931	1.942	(0.981)	135943	38.3452	38.3
26	2,4-Dichlorophenol +	162	1.910	1.910	(0.970)	439955	68.3327	68.3
27	1,2,4-Trichlorobenzene	180	1.942	1.942	(0.986)	401087	53.8668	53.9
* 28	Naphthalene-d8	136	1.968	1.969	(1.000)	805408	40.0000	
29	Naphthalene	128	1.979	1.979	(1.005)	1496407	63.3874	63.4
30	4-Chloroaniline	127	2.043	2.043	(1.038)	500461	63.6290	63.6
31	Hexachlorobutadiene +	225	2.081	2.081	(1.057)	235971	49.3294	49.3
32	4-Chloro-3-Methylphenol +	107	2.386	2.391	(1.212)	514963	68.3264	68.3
33	2-Methylnaphthalene	142	2.418	2.418	(1.228)	1015066	59.9438	59.9
145	1-Methylnapthalene	142	2.471	2.471	(1.255)	946891	68.9638	69.0
34	Hexachlorocyclopentadiene ++	237	2.519	2.525	(0.828)	201426	44.8303	44.8
35	2,4,6-Trichlorophenol +	196	2.610	2.610	(0.858)	279223	70.5784	70.6
36	2,4,5-Trichlorphenol	196	2.637	2.642	(0.866)	280213	68.5479	68.5
$ 37	2-Fluorobiphenyl	172	2.658	2.659	(0.873)	546242	38.8173	38.8
38	2-Chloronaphthalene	162	2.707	2.707	(0.889)	781192	72.2957	72.3
39	2-Nitroaniline	138	2.798	2.792	(0.919)	351092	91.7419	91.7
40	Dimethylphthalate	163	2.926	2.926	(0.961)	992144	87.9639	88.0
41	2,6-Dinitrotoluene	165	2.953	2.953	(0.970)	232902	82.4208	82.4
42	Acenaphthylene	152	2.953	2.953	(0.970)	1372580	78.1375	78.1
43	3-Nitroaniline	138	3.049	3.049	(1.002)	225390	78.8716	78.9
* 44	Acenaphthene-d10	164	3.044	3.044	(1.000)	395602	40.0000	
45	Acenaphthene +	153	3.060	3.060	(1.005)	942021	73.7151	73.7
46	2,4-Dinitrophenol ++	184	3.113	3.113	(1.023)	134037	69.0371	69.0(M)
49	4-Nitrophenol ++	109	3.204	3.204	(1.053)	51990	36.0853	36.1
47	Dibenzofuran	168	3.167	3.167	(1.040)	1270805	75.0905	75.1
48	2,4-Dinitrotoluene	165	3.193	3.193	(1.049)	330064	88.0753	88.1
50	Diethylphthalate	149	3.359	3.359	(1.104)	966777	90.4600	90.5
52	4-Chlorophenyl-phenylether	204	3.391	3.391	(1.114)	485558	82.7239	82.7
51	Fluorene	166	3.370	3.370	(1.107)	1079905	80.6974	80.7
53	4-Nitroaniline	138	3.418	3.418	(1.123)	252298	101.225	101
54	4,6-Dinitro-o-cresol	198	3.439	3.434	(0.876)	189921	72.6238	72.6
55	N-nitrosodiphenylamine (1)+	169	3.471	3.472	(0.884)	695720	80.4043	80.4
56	Azobenzene	77	3.488	3.488	(0.888)	1365869	86.6561	86.7
$ 57	2,4,6-Tribromophenol	332	3.525	3.525	(1.158)	145788	82.5213	82.5
58	4-Bromophenyl-phenylether	248	3.680	3.680	(0.937)	253329	79.4029	79.4
59	Hexachlorobenzene	284	3.701	3.702	(0.943)	309046	73.3572	73.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	3.835	3.835	(0.977)	170502	66.2014	66.2
*	61 Phenanthrene-d10	188	3.926	3.926	(1.000)	586267	40.0000	
	62 Phenanthrene	178	3.942	3.942	(1.004)	1427325	80.5014	80.5
	63 Anthracene	178	3.974	3.969	(1.012)	1468509	84.1956	84.2
	64 Carbazole	167	4.087	4.087	(1.041)	1343019	98.4159	98.4
	65 Di-n-butylphthalate	149	4.343	4.343	(1.106)	1568280	99.9456	99.9
	67 Fluoranthene +	202	4.654	4.648	(1.185)	1451121	95.0632	95.1
	68 Benzidine	184	4.766	4.766	(0.858)	61143	35.7100	35.7
	69 Pyrene	202	4.782	4.777	(0.861)	1515055	69.5509	69.6
$	70 Terphenyl-d14	244	4.910	4.910	(0.884)	500033	34.8253	34.8
	71 Butylbenzylphthalate	149	5.242	5.242	(0.944)	713705	90.8108	90.8
	73 3,3'-Dichlorobenzidine	252	5.563	5.563	(1.002)	433565	96.3497	96.3
	72 Benzo(a)anthracene	228	5.547	5.547	(0.999)	1397335	83.9094	83.9
*	74 Chrysene-d12	240	5.552	5.552	(1.000)	540138	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.664	5.664	(1.020)	969079	95.9113	95.9
	75 Chrysene	228	5.568	5.568	(1.003)	1455065	80.0681	80.1
	77 Di-n-octylphthalate +	149	6.135	6.135	(1.105)	1692303	114.359	114
	78 Benzo(b)fluoranthene	252	6.296	6.296	(0.961)	1381318	90.2666	90.3
	79 Benzo(k)fluoranthene	252	6.317	6.312	(0.964)	1760113	75.9215	75.9
	80 Benzo(a)pyrene +	252	6.515	6.515	(0.994)	1412285	86.5573	86.6
*	81 Perylene-d12	264	6.552	6.552	(1.000)	553679	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.269	7.264	(1.309)	1759564	101.073	101
	83 Dibenzo(a,h)anthracene	278	7.290	7.285	(1.113)	1582098	86.9935	87.0
	84 Benzo(g,h,i)perylene	276	7.429	7.424	(1.134)	1695568	88.7775	88.8
M	66 Total Methylphenol	108				1250112	120.478	120
	91 Acetophenone	105	1.412	1.407	(1.307)	1017197	76.5033	76.5
	155 Benzaldehyde	77	0.797	0.797	(0.738)	192942	103.913	104
	156 Caprolactam	113	2.279	2.284	(1.158)	63147	28.5438	28.5
	157 Biphenyl	154	2.712	2.712	(1.378)	1159988	71.1104	71.1
	158 Atrazine	200	3.824	3.819	(0.974)	279314	104.353	104
	174 1,4-Dioxane	88	0.268	0.268	(0.248)	69249	57.5650	57.6

QC Flag Legend

M - Compound response manually integrated.

000921

167382

Data File: /var/chem/MSSV5.i/2060807.s.b/d1131.d

Page 1

Date : 07-AUG-2006 13:36

Client ID: 20608042803

Instrument: MSSV5.i

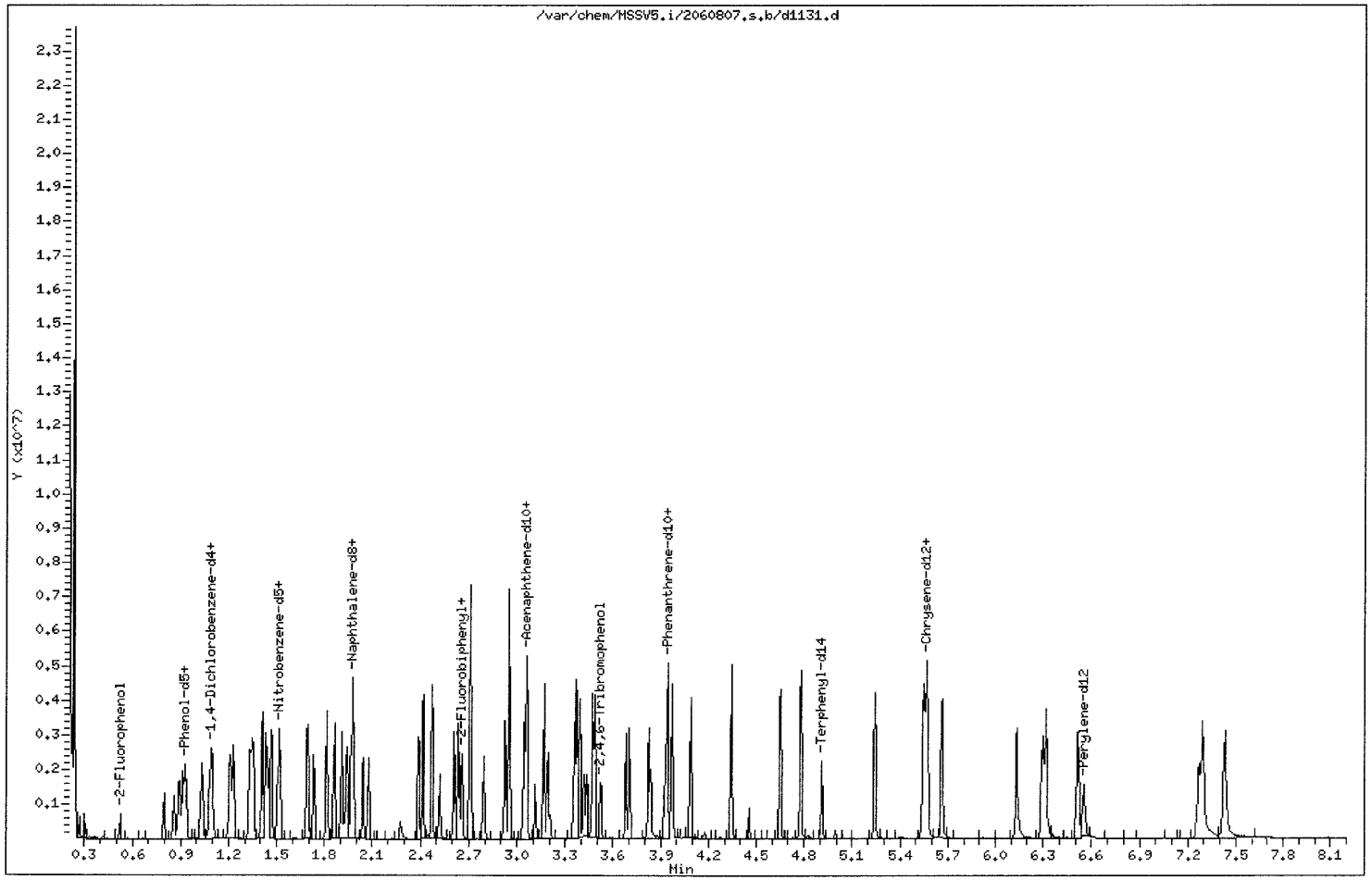
Sample Info: 20608042803*4482*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

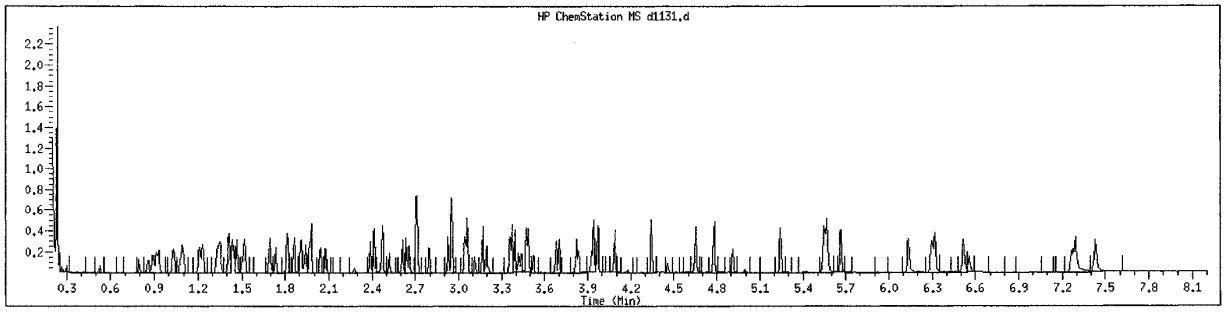
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2060807.s.b/d1131.d Page: 1
Report Date: 08/07/2006 15:31

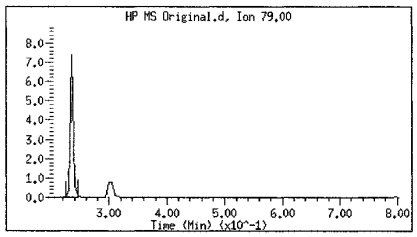
MANUAL INTEGRATION GRAPHIC REPORT

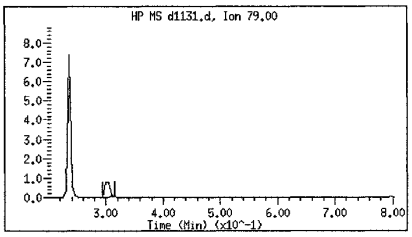
Lab ID : 20608042803 SampleType : MSD
Injection Date: 07-AUG-2006 13:36 Instrument : MSSV5.i
Operator : jar3
Sample Info : 20608042803*4482*
Misc Info : 20608042803*MSSV~3870~*080428*1000-1*329585*
Method : /var/chem/MSSV5.i/2060807.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: SA8270



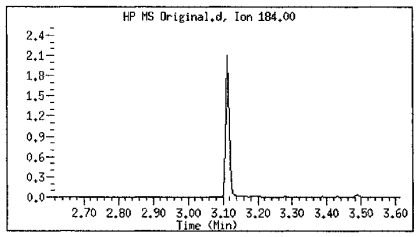
Original Final

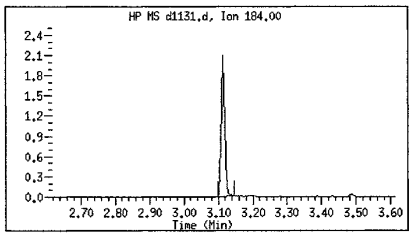
2 Pyridine CAS#: 110-86-1





46 2,4-Dinitrophenol ++ CAS#: 51-28-5





000923

167384

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5) MSD
Contract:
Lab File ID: 2060805/D1055
Lab Sample ID: 20608043103
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2139
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	4.55		0.012	0.559
95-95-4	2,4,5-Trichlorophenol	3.45		0.011	0.559
88-06-2	2,4,6-Trichlorophenol	3.52		0.025	0.559
120-83-2	2,4-Dichlorophenol	3.46		0.015	0.559
51-28-5	2,4-Dinitrophenol	1.04	J	0.096	2.83
121-14-2	2,4-Dinitrotoluene	4.03		0.025	0.559
606-20-2	2,6-Dinitrotoluene	4.03		0.014	0.559
91-58-7	2-Chloronaphthalene	4.19		0.015	0.559
95-57-8	2-Chlorophenol	3.26		0.00895	0.559
91-57-6	2-Methylnaphthalene	3.58		0.016	0.112
88-74-4	2-Nitroaniline	4.03		0.037	2.83
88-75-5	2-Nitrophenol	3.57		0.022	0.559
91-94-1	3,3'-Dichlorobenzidine	5.89		0.070	1.12
99-09-2	3-Nitroaniline	2.72	J	0.015	2.83
534-52-1	2-Methyl-4,6-dinitrophenol	1.46	J	0.029	2.83
59-50-7	4-Chloro-3-methylphenol	3.22		0.022	0.559
106-47-8	4-Chloroaniline	2.31		0.049	0.559
7005-72-3	4-Chlorophenyl-phenylether	4.32		0.015	0.559
83-32-9	Acenaphthene	3.88		0.015	0.112
208-96-8	Acenaphthylene	4.17		0.017	0.112
98-86-2	Acetophenone	3.60		0.012	0.559
62-53-3	Aniline	2.17		0.011	0.559
120-12-7	Anthracene	4.22		0.016	0.112
1912-24-9	Atrazine (Aatrex)	4.84		0.029	1.12
100-52-7	Benzaldehyde	1.26		0.043	1.12
92-87-5	Benzidine	0.529	J	0.075	2.24
56-55-3	Benzo(a)anthracene	4.22		0.015	0.112
50-32-8	Benzo(a)pyrene	4.29		0.015	0.112
205-99-2	Benzo(b)fluoranthene	4.41		0.010	0.559

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5) MSD
Contract:
Lab File ID: 2060805/D1055
Lab Sample ID: 20608043103
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2139
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	3.48		0.015	0.559
207-08-9	Benzo(k)fluoranthene	3.95		0.023	0.559
65-85-0	Benzoic acid	1.10	J	0.261	2.83
100-51-6	Benzyl alcohol	3.31		0.017	0.559
92-52-4	Biphenyl	3.88		0.016	0.559
111-91-1	Bis(2-Chloroethoxy)methane	4.15		0.019	0.559
111-44-4	Bis(2-Chloroethyl)ether	2.89		0.017	0.559
108-60-1	bis(2-Chloroisopropyl)ether	3.96		0.022	0.559
117-81-7	bis(2-ethylhexyl)phthalate	3.93		0.015	0.112
101-55-3	4-Bromophenyl-phenylether	4.76		0.014	0.559
85-68-7	Butylbenzylphthalate	3.77		0.018	0.559
105-60-2	Caprolactam	4.32		0.116	0.559
86-74-8	Carbazole	4.36		0.014	0.559
218-01-9	Chrysene	4.12		0.013	0.559
84-74-2	Di-n-butylphthalate	4.91		0.042	0.559
117-84-0	Di-n-octylphthalate	5.15		0.012	0.559
53-70-3	Dibenz(a,h)anthracene	3.93		0.014	0.112
132-64-9	Dibenzofuran	3.89		0.021	0.559
84-66-2	Diethylphthalate	4.39		0.025	0.559
131-11-3	Dimethyl-phthalate	4.43		0.018	0.559
105-67-9	2,4-Dimethylphenol	3.43		0.038	0.559
206-44-0	Fluoranthene	4.34		0.016	0.559
86-73-7	Fluorene	3.91		0.014	0.112
118-74-1	Hexachlorobenzene	4.53		0.018	0.559
77-47-4	Hexachlorocyclopentadiene	1.34		0.012	0.559
67-72-1	Hexachloroethane	3.38		0.023	0.559
193-39-5	Indeno(1,2,3-cd)pyrene	5.32		0.024	0.559
78-59-1	Isophorone	4.10		0.014	0.559
100-01-6	4-Nitroaniline	3.02		0.040	2.83

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: FWPSE01-001-(0-0.5) MSD
Contract:
Lab File ID: 2060805/D1055
Lab Sample ID: 20608043103
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/04/06
Date Analyzed: 08/05/06 Time: 2139
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 329588 Analytical Batch: 329649

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	3.77		0.021	0.559
100-02-7	4-Nitrophenol	3.70		0.074	2.83
87-86-5	Pentachlorophenol	3.70		0.146	2.83
85-01-8	Phenanthrene	4.14		0.018	0.112
108-95-2	Phenol	3.05		0.018	0.559
129-00-0	Pyrene	3.05		0.018	0.559
110-86-1	Pyridine	4.69		0.034	0.559
1319-77-3M	m,p-Cresol	3.17		0.021	0.559
621-64-7	N-Nitroso-di-n-propylamine	3.65		0.015	0.112
62-75-9	N-Nitrosodimethylamine	1.56		0.073	0.559
86-30-6	N-Nitrosodiphenylamine	4.51		0.017	0.559
95-48-7	o-Cresol	3.00		0.023	0.559

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2060805.s.b/d1055.d
Lab Smp Id: 20608043103 Client Smp ID: 20608043103
Inj Date : 05-AUG-2006 21:39
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20608043103*4482*
Misc Info : 20608043103*MSSV~3868~*080431*30.5-1*329588*
Comment :
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Meth Date : 06-Aug-2006 07:55 rlw Quant Type: ISTD
Cal Date : 27-JUL-2006 10:39 Cal File: d0768.d
Als bottle: 45 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	30.50000	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)
	2 Pyridine	79	0.316	0.310	(0.280)	255925	82.8559	2720
	1 n-Nitrosodimethylamine	42	0.311	0.305	(0.275)	54398	27.6469	906(R)
$	3 2-Fluorophenol	112	0.546	0.540	(0.484)	201715	66.2481	2170
$	4 Phenol-d5	99	0.926	0.920	(0.820)	847108	59.6242	1950
	5 Aniline	93	0.894	0.888	(0.792)	549710	38.5409	1260
	6 Phenol +	94	0.936	0.931	(0.829)	935093	54.0321	1770
	7 bis(-2-Chloroethyl)Ether	63	0.958	0.952	(0.848)	853624	51.1969	1680
	8 2-Chlorophenol	128	0.974	0.968	(0.863)	807214	57.6438	1890
	9 1,3-Dichlorobenzene	146	1.081	1.075	(0.957)	1013731	62.0957	2040
*	10 1,4-Dichlorobenzene-d4	152	1.129	1.123	(1.000)	331809	40.0000	
	11 1,4-Dichlorobenzene +	146	1.140	1.134	(1.009)	1019778	62.8370	2060

							CONCENTRATIONS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppm)	FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.279	1.273	(1.133)	674261	58.5101	1920
	13 1,2-Dichlorobenzene	146	1.252	1.246	(1.109)	988105	63.4244	2080
	15 2-Methylphenol	108	1.391	1.385	(1.232)	851537	53.2097	1740
	14 Bis(2-chloroisopropyl)ether	45	1.375	1.369	(1.218)	1635420	70.0031	2300
	17 3- & 4-Methylphenol	108	1.509	1.503	(1.336)	872126	56.2007	1840
	16 N-Nitroso-di-n-propylamine++	70	1.477	1.471	(1.308)	835187	64.6761	2120
	18 Hexachloroethane	117	1.487	1.487	(1.317)	362026	59.7196	1960
$	19 Nitrobenzene-d5	82	1.546	1.546	(0.773)	508055	32.2991	1060
	20 Nitrobenzene	77	1.562	1.556	(0.781)	1075202	66.7963	2190
	21 Isophorone	82	1.733	1.733	(0.866)	2086060	72.5630	2380
	22 2-Nitrophenol +	139	1.771	1.770	(0.885)	441360	63.0010	2070
	23 2,4-Dimethyphenol	107	1.851	1.851	(0.925)	857978	60.8098	1990
	24 bis(-2-Chloroethoxy)methane	93	1.899	1.893	(0.949)	1171623	73.5893	2410
	25 Benzoic Acid	122	1.958	1.979	(0.979)	100239	19.4066	636
	26 2,4-Dichlorophenol +	162	1.947	1.942	(0.973)	573927	61.1838	2010
	27 1,2,4-Trichlorobenzene	180	1.979	1.974	(0.989)	740412	68.2520	2240
*	28 Naphthalene-d8	136	2.001	2.000	(1.000)	1173427	40.0000	
	29 Naphthalene	128	2.017	2.016	(1.008)	2311057	67.1930	2200
	30 4-Chloroaniline	127	2.081	2.075	(1.040)	493741	40.9623	1340
	31 Hexachlorobutadiene +	225	2.113	2.113	(1.056)	483706	69.4047	2280
	32 4-Chloro-3-Methylphenol +	107	2.429	2.423	(1.214)	625571	56.9704	1870
	33 2-Methylnaphthalene	142	2.450	2.450	(1.225)	1565809	63.4671	2080
	145 1-Methylnapthalene	142	2.509	2.509	(1.254)	1452842	72.6272	2380
	34 Hexachlorocyclopentadiene ++	237	2.557	2.557	(0.831)	151441	23.7956	780(R)
	35 2,4,6-Trichlorophenol +	196	2.648	2.648	(0.861)	349444	62.3586	2040
	36 2,4,5-Trichlorphenol	196	2.675	2.674	(0.870)	353156	60.9916	2000
$	37 2-Fluorobiphenyl	172	2.691	2.690	(0.875)	699997	35.1183	1150
	38 2-Chloronaphthalene	162	2.744	2.744	(0.892)	1132239	73.9759	2430
	39 2-Nitroaniline	138	2.830	2.829	(0.920)	387002	71.3933	2340
	40 Dimethylphthalate	163	2.958	2.958	(0.962)	1253794	78.4790	2570
	41 2,6-Dinitrotoluene	165	2.985	2.985	(0.970)	285747	71.3909	2340
	42 Acenaphthylene	152	2.985	2.985	(0.970)	1836748	73.8192	2420
	43 3-Nitroaniline	138	3.081	3.081	(1.002)	195157	48.2134	1580
*	44 Acenaphthene-d10	164	3.076	3.076	(1.000)	560352	40.0000	
	45 Acenaphthene +	153	3.097	3.097	(1.007)	1240895	68.5534	2250
	46 2,4-Dinitrophenol ++	184	3.145	3.145	(1.023)	41571	18.3174	601(R)
	49 4-Nitrophenol ++	109	3.236	3.231	(1.052)	133784	65.5560	2150
	47 Dibenzofuran	168	3.199	3.199	(1.040)	1654459	69.0176	2260
	48 2,4-Dinitrotoluene	165	3.226	3.225	(1.049)	378848	71.3705	2340
	50 Diethylphthalate	149	3.386	3.391	(1.101)	1177097	77.7571	2550
	52 4-Chlorophenyl-phenylether	204	3.423	3.423	(1.113)	637256	76.6481	2510
	51 Fluorene	166	3.407	3.407	(1.108)	1309657	69.0922	2270
	53 4-Nitroaniline	138	3.450	3.450	(1.122)	188270	53.3276	1750
	54 4,6-Dinitro-o-cresol	198	3.466	3.466	(0.876)	81782	25.9321	850(R)
	55 N-nitrosodiphenylamine (1)+	169	3.504	3.503	(0.885)	832819	79.8122	2620
	56 Azobenzene	77	3.520	3.519	(0.889)	1529606	80.4717	2640
$	57 2,4,6-Tribromophenol	332	3.557	3.557	(1.157)	172799	69.0530	2260

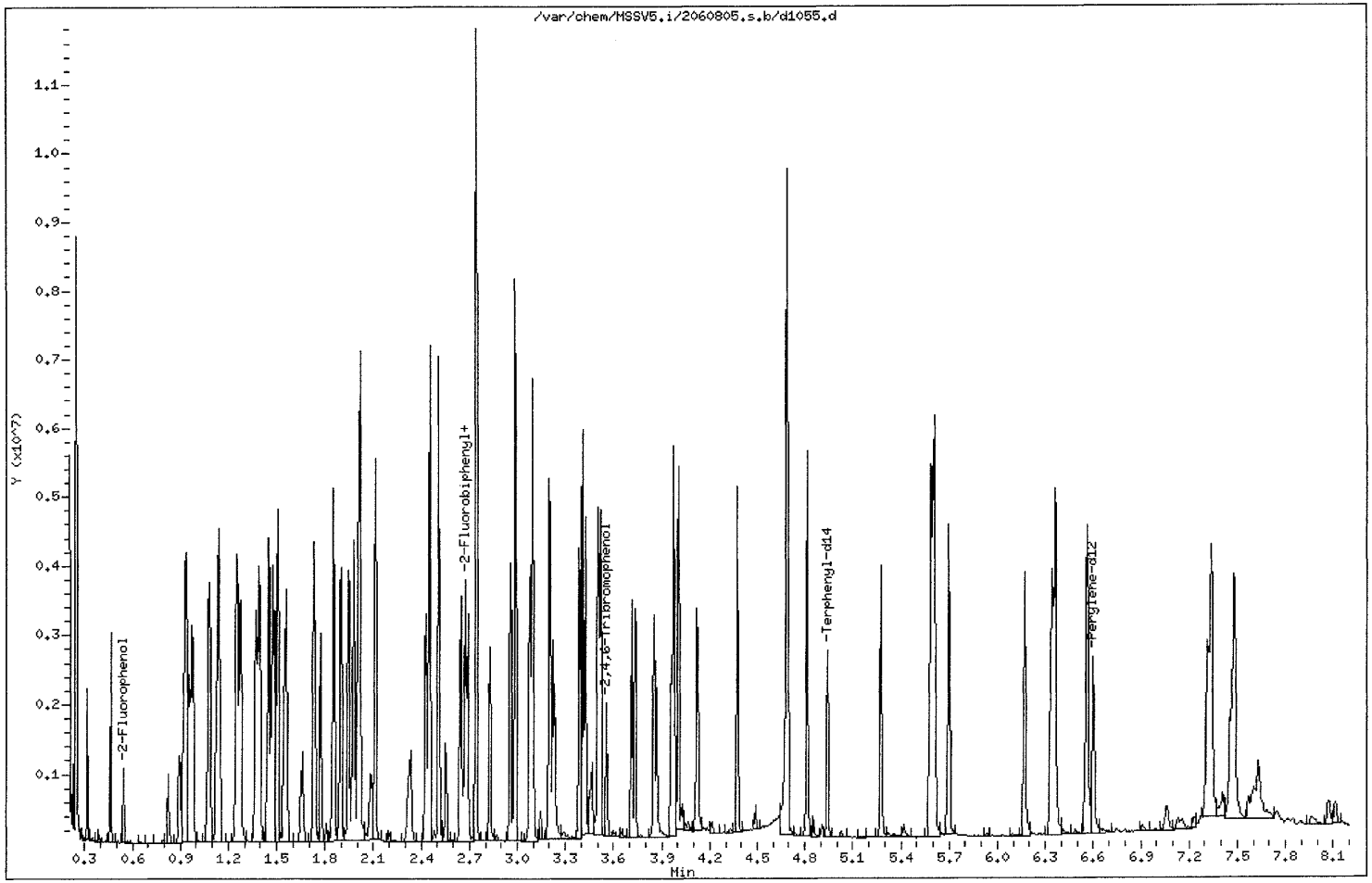
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
58	4-Bromophenyl-phenylether	248	3.712	3.712	(0.938)	324282	84.2845	2760
59	Hexachlorobenzene	284	3.739	3.733	(0.945)	407034	80.1169	2630
60	Pentachlorophenol +	266	3.867	3.867	(0.977)	203761	65.6043	2150
* 61	Phenanthrene-d10	188	3.958	3.958	(1.000)	707004	40.0000	
62	Phenanthrene	178	3.974	3.974	(1.004)	1562826	73.0912	2400
63	Anthracene	178	4.006	4.006	(1.012)	1570351	74.6592	2450
64	Carbazole	167	4.119	4.119	(1.041)	1271279	77.2498	2530
65	Di-n-butylphthalate	149	4.375	4.375	(1.105)	1646223	86.9966	2850
67	Fluoranthene +	202	4.686	4.685	(1.184)	1412408	76.7260	2520
68	Benzidine	184	4.803	4.798	(0.859)	21403	9.35009	307(M)
69	Pyrene	202	4.814	4.814	(0.861)	1571616	53.9649	1770
$ 70	Terphenyl-d14	244	4.942	4.942	(0.884)	619333	32.2635	1060
71	Butylbenzylphthalate	149	5.274	5.274	(0.944)	702608	66.8687	2190
73	3,3'-Dichlorobenzidine	252	5.600	5.595	(1.002)	627199	104.254	3420
72	Benzo(a)anthracene	228	5.584	5.584	(0.999)	1661625	74.8494	2450
* 74	Chrysene-d12	240	5.590	5.589	(1.000)	722127	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.697	5.696	(1.019)	936400	69.4155	2280
75	Chrysene	228	5.611	5.605	(1.004)	1771251	72.9035	2390
77	Di-n-octylphthalate +	149	6.173	6.167	(1.104)	1801752	91.0708	2990
78	Benzo(b)fluoranthene	252	6.344	6.338	(0.961)	1885068	78.1156	2560
79	Benzo(k)fluoranthene	252	6.360	6.354	(0.964)	2622743	69.9511	2290
80	Benzo(a)pyrene +	252	6.563	6.557	(0.994)	2002854	75.9006	2490
* 81	Perylene-d12	264	6.601	6.595	(1.000)	895454	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.317	7.306	(1.309)	2160112	94.1404	3090
83	Dibenzo(a,h)anthracene	278	7.339	7.333	(1.112)	1987327	69.5659	2280
84	Benzo(g,h,i)perylene	276	7.483	7.472	(1.134)	1830587	61.6823	2020
M 66	Total Methylphenol	108				1723663	109.410	3590
91	Acetophenone	105	1.450	1.450	(1.284)	1285752	63.6451	2090
155	Benzaldehyde	77	0.824	0.824	(0.730)	151564	22.3836	734(R)
156	Caprolactam	113	2.332	2.332	(1.166)	246841	76.5838	2510
157	Biphenyl	154	2.744	2.744	(1.372)	1644500	68.6335	2250
158	Atrazine	200	3.851	3.851	(0.973)	276487	85.6564	2810
174	1,4-Dioxane	88	0.284	0.273	(0.251)	28690	15.6967	515

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: /var/chem/MSSV5.i/2060805.s.b/d1055.d
Date : 05-AUG-2006 21:39
Client ID: 20608043103
Sample Info: 20608043103*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



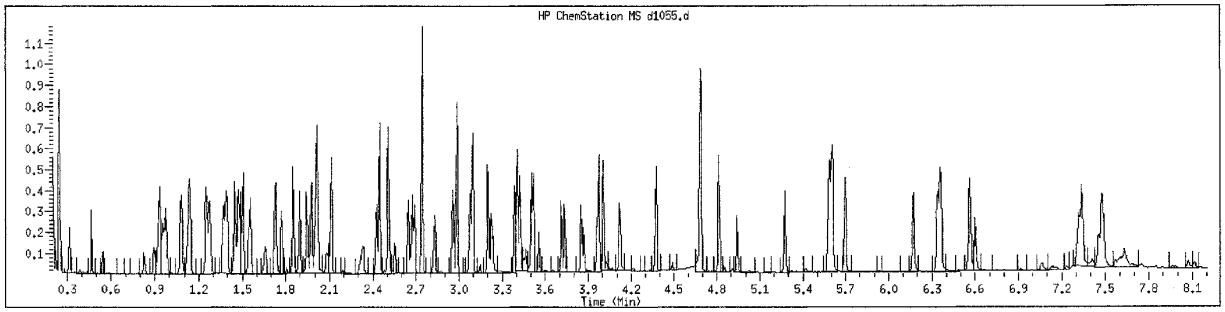
000930

167391

Data file : /var/chem/MSSV5.i/2060805.s.b/d1055.d Page: 1
Report Date: 08/06/2006 09:34

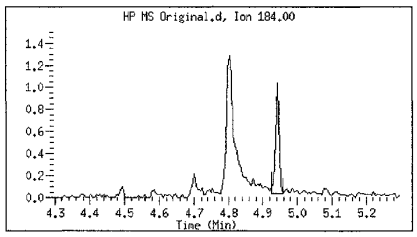
MANUAL INTEGRATION GRAPHIC REPORT

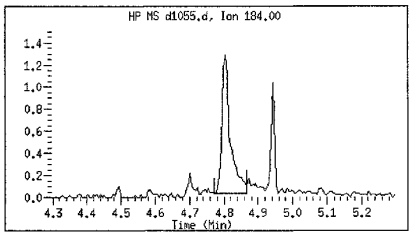
Lab ID : 20608043103 SampleType : MSD
Injection Date: 05-AUG-2006 21:39 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20608043103*4482*
Misc Info : 20608043103*MSSV~3868~*080431*30.5-1*329588*
Method : /var/chem/MSSV5.i/2060805.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



Original Final

68 Benzidine CAS#: 92-87-5





000931

167392

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	08/04/06 2200	BATCH NO:	329588
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 329588 [EXTO/14413]	397866	30.0	1.0				LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 329588 [EXTO/14413	397867	30.0	1.0				
3	QC ACCOUNT	LCSD for HBN 329588 [EXTO/1441	397868	30.0	1.0				SEPARATORY FUNNEL/3510
4	4482	FWPSE01-001-(0-0.5)	20608043101	30.4	1.0				
5	4482	FWPSE01-001-(0-0.5) MS	20608043102	30.5	1.0				SONICATOR/3550
6	4482	FWPSE01-001-(0-0.5) MSD	20608043103	30.5	1.0				
7	4482	SE-501-(0-0.5)	20608043104	30.2	1.0				SOXHLET/3540
8	4482	FWPSE04-004-(0-0.5)	20608043105	30.5	1.0				
9	4482	FWPSE02-002-(0-0.5)	20608043106	30.5	1.0				GPC CLEANUP/3640
10	4482	FWPSE03-003-(0-0.5)	20608043107	30.5	1.0				
11	4482	FWPSE05-005-(0-0.5)	20608043108	30.5	1.0				WASTE DILUTION/3580
12									
13									TCLP EXTRACTION FLUID 1
14									
15									TCLP EXTRACTION FLUID 2
16									
17									MECL2/Acetone No:
18									C06E11
19									ACETONE LOT NO:
20				5K3 08/07/06					
21									MeCL2 Lot No:
22									
23									Sodium Sulfate Lot No:
24									C15599
25									
26									
27									
28									

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

SURROGATE ID	10-24-10	8270 SPIKE ID		625 SPIKE ID	10-24-8	TECHNICIAN	DATE
VOLUME	0.5ml	VOLUME		VOLUME	1.0 ml	[signature]	08/04/06
CONCENTRATION	100/200ng/ml	CONCENTRATION		CONCENTRATION	100ng/ml		
NaOH		ACID				SUPERVISOR	DATE
SPIKE WITNESS	JT					[signature]	08/07/06

Cookdown: CGH

bottleup: CGH

000932

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-5-06 1500	BATCH NO:	329585
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 329585 [EXTO/14410]	397846	1000	1.0	7	<2		LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 329585 [EXTO/14410	397847	1000	1.0	7	<2		
3	QC ACCOUNT	LCSD for HBN 329585 [EXTO/1441	397848	1000	1.0	7	<2		SEPARATORY FUNNEL/3510
4	4482	FWPSW01-001	20608042801	1000	1.0	7	<2		
5	4482	FWPSW01-001 MS	20608042802	1000	1.0	7	<2		SONICATOR/3550
6	4482	FWPSW01-001 MSD	20608042803	1000	1.0	7	<2		
7	4482	SW-600	20608042804	1000	1.0	7	<2		SOXHLET/3540
8	4482	FWPSW02-002	20608042805	1000	1.0	7	<2		
9	4482	FWPSW02-003	20608042806	1000	1.0	7	<2		GPC CLEANUP/3640
10	4482	SPSW01-001	20608042808	1000	1.0	7	<2		
11	4482	SPSW01-002	20608042809	1000	1.0	7	<2		WASTE DILUTION/3580
12	4482	SPSW01-003	20608042810	1000	1.0	7	<2		
13	4482	SP-004-FB	20608042811	1000	1.0	7	<2		TCLP EXTRACTION FLUID 1
14	4482	FWPSE-006-EB	20608043109	1000	1.0	7	<2		
15	4447	MW-6	20608042901	1000	1.0	7	<2		TCLP EXTRACTION FLUID 2
16	4447	MW-7	20608042902	1000	1.0	7	<2		
17	4447	MW-8	20608042903	1000	1.0	7	<2		MECL2/Acetone No:
18	4447	DUP1	20608042904	1000	1.0	7	<2		
19			20608034001	1000	1.0	7	<2		ACETONE LOT NO:
20									
21									MeCL2 Lot No: C22E22
22									
23									Sodium Sulfate Lot No:
24					SRB 08/07/06				C10592
25									
26									
27									
28									

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

SURROGATE ID	10-24-10	8270 SPIKE ID		625 SPIKE ID	10-24-8	TECHNICIAN	DATE
VOLUME	0.5mL	VOLUME		VOLUME	1.0mL	[signature]	8-5-06
CONCENTRATION	100ug/mL	CONCENTRATION		CONCENTRATION	100ug/mL		
NaOH	4-10-01	ACID	307-15-2			SUPERVISOR	DATE
SPIKE WITNESS	SLS					John Bailey	08/07/06

000933

167394

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 03-AUG-2006
Instrument: MSSV5.i

Standard	Conc ppm
DFTPP	50
Int. Standard	4000

Lot No. 3862

Inst. Conditions: _____

MISC:. _____

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1100	4-55-15	d0921c.d	0.00 ml	03-AUG-2006 09:30	1.000	jar3	1	all
1100	4-55-15	d0921.d	0.00 ml	03-AUG-2006 09:30	1.000	jar3	1	all
1205	4-57-9	d0922.d	1000.00 ml	03-AUG-2006 09:42	1.000	jar3	2	8270C
1204	4-57-10	d0923.d	1000.00 ml	03-AUG-2006 09:56	1.000	jar3	3	8270C
1206	4-57-11	d0924.d	1000.00 ml	03-AUG-2006 10:10	1.000	jar3	4	8270C
1207	4-57-12	d0925.d	1000.00 ml	03-AUG-2006 10:24	1.000	jar3	5	8270C
1208	4-57-13	d0926.d	1000.00 ml	03-AUG-2006 10:38	1.000	jar3	6	8270C
1209	4-57-14	d0927.d	1000.00 ml	03-AUG-2006 10:52	1.000	jar3	7	8270C
1203	4-57-15	d0928.d	1000.00 ml	03-AUG-2006 11:07	1.000	jar3	8	8270C
1202	4-57-16	d0929.d	1000.00 ml	03-AUG-2006 11:21	1.000	jar3	9	8270C
1201	4-57-17	d0930.d	1000.00 ml	03-AUG-2006 11:36	1.000	jar3	10	8270C
1600	4-57-18	d0931.d	1000.00 ml	03-AUG-2006 11:50	1.000	jar3	11	ICV
1400	4-56-1	d0932.d	1000.00 ml	03-AUG-2006 12:15	1.000	jar3	12	APQ
1400	4-58-8	d0933.d	1000.00 ml	03-AUG-2006 12:29	1.000	jar3	13	APP9
20607313602	2754	d0934.d	1000.00 ml	03-AUG-2006 12:43	1.000	jar3	14	SA8270
396705	BLK	d0935.d	1.00 g	03-AUG-2006 12:58	1.000	jar3	15	all
396706 a	LCS rs	d0936.d	1.00 g	03-AUG-2006 13:12	1.000	jar3	16	SA8270 iso
396707 b	LCSD rs	d0937.d	1.00 g	03-AUG-2006 13:26	1.000	jar3	17	SA8270 iso
20607274402 x	2554 rs	d0938.d	1.00 g	03-AUG-2006 13:41	10.000	jar3	18	SA8270 run neat
20607274402 x	2554	d0939.d	1.00 g	03-AUG-2006 13:55	1.000	jar3	18	all
396708 c	2554 rs	d0940.d	1.00 g	03-AUG-2006 14:11	1.000	jar3	19	SA8270 iso
396709 d	2554 rs	d0941.d	1.00 g	03-AUG-2006 14:25	1.000	jar3	20	SA8270 iso
396706 a	LCS rs	d0942.d	1.00 g	03-AUG-2006 14:40	1.000	jar3	16	SA8270 ck level
396707 b	LCSD rs	d0943.d	1.00 g	03-AUG-2006 14:54	1.000	jar3	17	SA8270 "
396708 c	2554 rs	d0944.d	1.00 g	03-AUG-2006 15:08	1.000	jar3	19	SA8270 10x
396709 d	2554 rs	d0945.d	1.00 g	03-AUG-2006 15:23	1.000	jar3	20	SA8270 10x
396706	LCS rs	d0946.d	1.00 g	03-AUG-2006 15:38	1.000	jar3	16	SA8270
396707 b	LCSD	d0947.d	1.00 g	03-AUG-2006 15:52	1.000	jar3	17	SA8270
396708 c	2554	d0948.d	1.00 g	03-AUG-2006 16:07	10.000	jar3	36	SA8270
396709 d	2554	d0949.d	1.00 g	03-AUG-2006 16:21	10.000	jar3	37	SA8270
396580	BLK rs	d0950.d	30.00 g	03-AUG-2006 16:36	1.000	jar3	21	SA8270
396581	LCS	d0951.d	30.00 g	03-AUG-2006 16:51	1.000	jar3	22	SA8270
396582	LCSD	d0952.d	30.00 g	03-AUG-2006 17:06	1.000	jar3	23	SA8270
20608020201	0082	d0953.d	30.10 g	03-AUG-2006 17:20	1.000	jar3	24	SA8270
396583	0082	d0954.d	30.10 g	03-AUG-2006 17:35	1.000	jar3	25	SA8270
396584	0082	d0955.d	30.10 g	03-AUG-2006 17:49	1.000	jar3	26	SA8270

167395

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 03-AUG-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	
20608020501	4565		d0956.d	30.20 g	03-AUG-2006 18:03	1.000	jar3	27	pah	
395155	BLK		d0957.d	1.00 g	03-AUG-2006 18:18	1.000	jar3	28	HEX	
395156	LCS		d0958.d	1.00 g	03-AUG-2006 18:32	1.000	jar3	29	HEX	
20607283701	2554	rs	d0959.d	30.00 g	03-AUG-2006 18:46	1.000	jar3	30	SA8270	20x
395629	MS	rs	d0960.d	30.00 g	03-AUG-2006 19:00	1.000	jar3	31	SA8270	20x
395630	MSD	rs	d0961.d	30.00 g	03-AUG-2006 19:15	1.000	jar3	32	SA8270	20x
2067274401	2554		d0962.d	1.10 g	03-AUG-2006 19:29	20.000	jar3	33	all	
395229	MS		d0963.d	1.10 g	03-AUG-2006 19:43	20.000	jar3	34	all	
395230	MSD		d0964.d	1.10 g	03-AUG-2006 19:57	20.000	jar3	35	all	

167396

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 05-AUG-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	d1011c.d	0.00 ml	05-AUG-2006 11:00	1.000	rrr	1	all
1100	4-55-15	d1011.d	0.00 ml	05-AUG-2006 11:00	1.000	rrr	1	all
1400	4-57-9	d1012.d	1000.00 ml	05-AUG-2006 11:15	1.000	rrr	2	SA8270
1400	4-58-8	d1013.d	200.00 ml	05-AUG-2006 11:34	1.000	rrr	3	APP9
1400	4-56-1	d1014.d	200.00 ml	05-AUG-2006 11:48	1.000	rrr	4	APQ
397366	LCS	d1015.d	15.00 g	05-AUG-2006 12:03	1.000	rrr	5	SA8270
20608033704	4527	d1016.d	15.30 g	05-AUG-2006 12:17	1.000	rrr	6	SA8270
20608033705	4527	d1017.d	15.50 g	05-AUG-2006 12:32	1.000	rrr	7	SA8270
20608033709	4527	d1018.d	15.30 g	05-AUG-2006 12:46	1.000	rrr	8	SA8270
20608033710	4527	d1019.d	15.10 g	05-AUG-2006 13:01	1.000	rrr	9	SA8270
20608033713	4527	d1020.d	15.00 g	05-AUG-2006 13:15	1.000	rrr	10	SA8270
20608033714	4527	d1021.d	15.50 g	05-AUG-2006 13:30	1.000	rrr	11	SA8270
20608033716	4527	d1022.d	15.20 g	05-AUG-2006 13:44	1.000	rrr	12	SA8270
20608030310	4482	d1023.d	1000.00 ml	05-AUG-2006 13:59	1.000	rrr	13	SA8270
397116	BLK	d1024.d	30.00 g	05-AUG-2006 14:13	1.000	rrr	14	all
397117	LCS	d1025.d	30.00 g	05-AUG-2006 14:28	1.000	rrr	15	SA8270
397118	LCSD	d1026.d	30.00 g	05-AUG-2006 14:42	1.000	rrr	16	SA8270
20608028001	2554	d1027.d	30.20 g	05-AUG-2006 14:57	1.000	rrr	17	all
397119	MS	d1028.d	30.00 g	05-AUG-2006 15:11	1.000	rrr	18	all
397120	MSD	d1029.d	30.10 g	05-AUG-2006 15:25	1.000	rrr	19	all
20608028101	2554	d1030.d	30.30 g	05-AUG-2006 15:40	1.000	rrr	20	SA8270
20608028201	2554	d1031.d	30.10 g	05-AUG-2006 15:54	5.000	rrr	21	all
20608028301	2554	d1032.d	30.30 g	05-AUG-2006 16:08	5.000	rrr	22	SA8270
20608030301	4482	d1033.d	30.10 g	05-AUG-2006 16:23	1.000	rrr	23	SA8270
20608030302	4482	d1034.d	30.10 g	05-AUG-2006 16:37	1.000	rrr	24	SA8270
20608030304	4482	d1035.d	30.00 g	05-AUG-2006 16:51	1.000	rrr	25	SA8270
20608030305	4482	d1036.d	30.40 g	05-AUG-2006 17:05	1.000	rrr	26	SA8270
20608030307	4482	d1037.d	30.20 g	05-AUG-2006 17:19	1.000	rrr	27	SA8270
20608030308	4482	d1038.d	30.30 g	05-AUG-2006 17:34	1.000	rrr	28	SA8270
20608030309	4482	d1039.d	30.50 g	05-AUG-2006 17:48	1.000	rrr	29	SA8270
20608030501	4565	d1040.d	30.20 g	05-AUG-2006 18:03	1.000	rrr	30	SA8270
397663	BLK	d1041.d	30.00 g	05-AUG-2006 18:17	1.000	rrr	31	SA8270
397664	LCS	d1042.d	30.00 g	05-AUG-2006 18:31	1.000	rrr	32	SA8270
397665	LCSD	d1043.d	30.00 g	05-AUG-2006 18:46	1.000	rrr	33	SA8270
20608032801	0115	d1044.d	30.20 g	05-AUG-2006 19:00	1.000	rrr	34	SA8270
20608032802	0115	d1045.d	30.20 g	05-AUG-2006 19:15	1.000	rrr	35	SA8270

167397

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 05-AUG-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
20608032803	0115	d1046.d	30.30 g	05-AUG-2006 19:29	1.000	rrr	36	SA8270
20608032804	0115	d1047.d	30.00 g	05-AUG-2006 19:43	1.000	rrr	37	SA8270
20608033901	0042	d1049.d	30.30 g	05-AUG-2006 20:12	1.000	rrr	39	SA8270
397866	BLK	d1050.d	30.00 g	05-AUG-2006 20:27	1.000	rrr	40	SA8270
397867	LCS	d1051.d	30.00 g	05-AUG-2006 20:41	1.000	rrr	41	SA8270
397868	LCSD	d1052.d	30.00 g	05-AUG-2006 20:56	1.000	rrr	42	SA8270
20608043101	4482	d1053.d	30.40 g	05-AUG-2006 21:10	1.000	rrr	43	SA8270
20608043102	4482	d1054.d	30.50 g	05-AUG-2006 21:24	1.000	rrr	44	SA8270
20608043103	4482	d1055.d	30.50 g	05-AUG-2006 21:39	1.000	rrr	45	SA8270
20608043104	4482	d1056.d	30.20 g	05-AUG-2006 21:53	1.000	rrr	46	SA8270
20608043105	4482	d1057.d	30.50 g	05-AUG-2006 22:08	1.000	rrr	47	SA8270
20608043106	4482	d1058.d	30.50 g	05-AUG-2006 22:22	1.000	rrr	48	SA8270
20608043107	4482	d1059.d	30.50 g	05-AUG-2006 22:36	1.000	rrr	49	SA8270
20608043108	4482	d1060.d	30.50 g	05-AUG-2006 22:51	1.000	rrr	50	SA8270

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 06-AUG-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	d1061c.d	0.00 ml	06-AUG-2006 13:23	1.000	rrr	1	all
1100	4-55-15	d1061.d	0.00 ml	06-AUG-2006 13:23	1.000	rrr	1	all
1400	4-57-9	d1062.d	200.00 ml	06-AUG-2006 13:38	1.000	rrr	2	8270C
1400	4-58-8	d1063.d	200.00 ml	06-AUG-2006 13:56	1.000	rrr	3	APP9
1400	4-56-1	d1064.d	200.00 ml	06-AUG-2006 14:10	1.000	rrr	4	APQ
20608028101	2554	d1065.d	30.00 g	06-AUG-2006 14:25	20.000	rrr	5	SA8270
20608028301	2554	d1066.d	30.00 g	06-AUG-2006 14:39	20.000	rrr	6	SA8270
20608028101	2554	d1067.d	30.00 g	06-AUG-2006 14:54	100.000	rrr	7	SA8270
20608028301	2554	d1068.d	30.00 g	06-AUG-2006 15:08	100.000	rrr	8	all
20608043102	4482	d1069.d	30.50 g	06-AUG-2006 15:23	1.000	rrr	9	SA8270
20608043106	4482	d1070.d	30.50 g	06-AUG-2006 15:38	1.000	rrr	10	SA8270
20608028101	2554	d1071.d	30.30 g	06-AUG-2006 15:52	200.000	rrr	11	all
20608043102	4482	d1072.d	30.50 g	06-AUG-2006 16:07	1.000	rrr	12	SA8270
20608043106	4482	d1073.d	30.50 g	06-AUG-2006 16:21	1.000	rrr	13	SA8270
MB	RE	d1074.d	30.00 g	06-AUG-2006 16:36	1.000	rrr	14	SA8270
LCS	RE	d1075.d	30.00 g	06-AUG-2006 16:50	1.000	rrr	15	SA8270
LSD	RE	d1076.d	30.00 g	06-AUG-2006 17:05	1.000	rrr	16	SA8270
20608030303	4482	d1077.d	30.10 g	06-AUG-2006 17:19	1.000	rrr	17	SA8270
398168	BLK	d1078.d	30.00 g	06-AUG-2006 17:34	1.000	rrr	18	SA8270
398169	LCS	d1079.d	30.00 g	06-AUG-2006 17:48	1.000	rrr	19	SA8270
398170	LCSD	d1080.d	30.00 g	06-AUG-2006 18:03	1.000	rrr	20	SA8270
20608051401	4484	d1081.d	30.40 g	06-AUG-2006 18:17	1.000	rrr	21	SA8270
20608051402	4484	d1082.d	30.50 g	06-AUG-2006 18:32	1.000	rrr	22	SA8270
20608051403	4484	d1083.d	30.20 g	06-AUG-2006 18:46	1.000	rrr	23	SA8270
20608051404	4484	d1084.d	30.50 g	06-AUG-2006 19:00	1.000	rrr	24	SA8270
20608051405	4484	d1085.d	30.50 g	06-AUG-2006 19:15	1.000	rrr	25	SA8270
20608051406	4484	d1086.d	30.50 g	06-AUG-2006 19:29	1.000	rrr	26	SA8270
20608051407	4484	d1087.d	30.50 g	06-AUG-2006 19:44	1.000	rrr	27	SA8270
20608051408	4484	d1088.d	30.40 g	06-AUG-2006 19:58	1.000	rrr	28	SA8270
20608051409	4484	d1089.d	30.00 g	06-AUG-2006 20:12	1.000	rrr	29	SA8270
20608051410	4484	d1090.d	30.30 g	06-AUG-2006 20:27	1.000	rrr	30	SA8270
20608051411	4484	d1091.d	30.10 g	06-AUG-2006 20:41	1.000	rrr	31	SA8270
20608051412	4484	d1092.d	30.30 g	06-AUG-2006 20:56	1.000	rrr	32	SA8270
20608051413	4484	d1093.d	30.50 g	06-AUG-2006 21:10	1.000	rrr	33	SA8270
20608051414	4484	d1094.d	30.10 g	06-AUG-2006 21:24	1.000	rrr	34	SA8270
20608051415	4484	d1095.d	30.10 g	06-AUG-2006 21:39	1.000	rrr	35	SA8270

167399

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 06-AUG-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
397807	BLK	d1096.d	200.00 ml	06-AUG-2006 21:53	1.000	rrr	36	SA8270
397808	LCS	d1097.d	200.00 ml	06-AUG-2006 22:08	1.000	rrr	37	SA8270
397809	LCSD	d1098.d	200.00 ml	06-AUG-2006 22:22	1.000	rrr	38	SA8270
20608042401	4482	d1099.d	1000.00 ml	06-AUG-2006 22:36	1.000	rrr	39	SA8270
20608042402	4482	d1100.d	1000.00 ml	06-AUG-2006 22:51	1.000	rrr	40	SA8270
20608042404	4482	d1101.d	1000.00 ml	06-AUG-2006 23:05	1.000	rrr	41	SA8270
20608042405	4482	d1102.d	1000.00 ml	06-AUG-2006 23:20	1.000	rrr	42	SA8270
20608042406	4482	d1103.d	1000.00 ml	06-AUG-2006 23:34	1.000	rrr	43	SA8270
20608042407	4482	d1104.d	1000.00 ml	06-AUG-2006 23:49	1.000	rrr	44	SA8270
20608042408	4482	d1105.d	1000.00 ml	07-AUG-2006 00:03	1.000	rrr	45	SA8270
20608042409	4482	d1106.d	1000.00 ml	07-AUG-2006 00:18	1.000	rrr	46	SA8270
20608042410	4482	d1107.d	1000.00 ml	07-AUG-2006 00:33	1.000	rrr	47	SA8270
20608042411	4482	d1108.d	1000.00 ml	07-AUG-2006 00:49	1.000	rrr	48	SA8270
20608042412	4482	d1109.d	1000.00 ml	07-AUG-2006 01:03	1.000	rrr	49	SA8270
20608042414	4482	d1110.d	1000.00 ml	07-AUG-2006 01:17	1.000	rrr	50	SA8270
20608042416	4482	d1111.d	1000.00 ml	07-AUG-2006 01:32	1.000	rrr	51	SA8270
20608042421	4482	d1112.d	1000.00 ml	07-AUG-2006 01:46	1.000	rrr	52	SA8270
20608042423	4482	d1113.d	1000.00 ml	07-AUG-2006 02:01	1.000	rrr	53	SA8270

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 07-AUG-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	d1114c.d	0.00 ml	07-AUG-2006 09:19	1.000	jar3	1	all
1100	4-55-15	d1114.d	0.00 ml	07-AUG-2006 09:19	1.000	jar3	1	all
1400	4-57-9	d1118.d	1000.00 ml	07-AUG-2006 10:16	1.000	jar3	3	8270C
397846	BLK	d1119.d	1000.00 ml	07-AUG-2006 10:42	1.000	jar3	4	SA8270
397847	LCS	d1120.d	1000.00 ml	07-AUG-2006 10:57	1.000	jar3	5	SA8270
397848	LCSD	d1121.d	1000.00 ml	07-AUG-2006 11:11	1.000	jar3	6	SA8270
20608034001	0042	d1122.d	1000.00 ml	07-AUG-2006 11:26	1.000	jar3	22	SA8270
20608028102	2554	d1123.d	200.00 ml	07-AUG-2006 11:40	10.000	jar3	23	TCLPBA
20608028302	2554	d1124.d	200.00 ml	07-AUG-2006 11:55	10.000	jar3	24	TCLPBA
397525	2554	d1125.d	200.00 ml	07-AUG-2006 12:09	10.000	jar3	25	TCLPBA
397526	2554	d1126.d	200.00 ml	07-AUG-2006 12:24	10.000	jar3	26	TCLPBA
20608028002	2554	d1127.d	200.00 ml	07-AUG-2006 12:38	10.000	jar3	27	TCLPBA
20608042801	4482	d1128.d	1000.00 ml	07-AUG-2006 12:52	1.000	jar3	7	SA8270
20608042802	4482	d1129.d	1000.00 ml	07-AUG-2006 13:07	1.000	jar3	8	SA8270
20608028202	2554	d1130.d	200.00 ml	07-AUG-2006 13:21	10.000	jar3	100	TCLPBA
20608042803	4482	d1131.d	1000.00 ml	07-AUG-2006 13:36	1.000	jar3	9	SA8270
20608042804	4482	d1132.d	1000.00 ml	07-AUG-2006 13:50	1.000	jar3	10	SA8270
20608042805	4482	d1133.d	1000.00 ml	07-AUG-2006 14:05	1.000	jar3	11	SA8270
20608042806	4482	d1134.d	1000.00 ml	07-AUG-2006 14:19	1.000	jar3	12	SA8270
20608042808	4482	d1135.d	1000.00 ml	07-AUG-2006 14:33	1.000	jar3	13	SA8270
20608042809	4482	d1136.d	1000.00 ml	07-AUG-2006 14:48	1.000	jar3	14	SA8270
20608042810	4482	d1137.d	1000.00 ml	07-AUG-2006 15:02	1.000	jar3	15	SA8270
20608042811	4482	d1138.d	1000.00 ml	07-AUG-2006 15:17	1.000	jar3	16	SA8270
20608043109	4482	d1139.d	1000.00 ml	07-AUG-2006 15:32	1.000	jar3	17	SA8270
20608042901	4447	d1140.d	1000.00 ml	07-AUG-2006 15:46	1.000	jar3	18	pah
20608042902	4447	d1141.d	1000.00 ml	07-AUG-2006 16:01	1.000	jar3	19	pah
20608042903	4447	d1142.d	1000.00 ml	07-AUG-2006 16:15	1.000	jar3	20	pah
20608042904	4447	d1143.d	1000.00 ml	07-AUG-2006 16:30	1.000	jar3	21	SA8270
398802	BLK	d1144a.d	30.00 g	07-AUG-2006 16:44	1.000	jar3	85	SA8270
398802	BLK	d1144.d	30.00 g	07-AUG-2006 17:28	1.000	jar3	85	SA8270
398803	LCS	d1145.d	30.00 g	07-AUG-2006 16:59	1.000	jar3	86	SA8270
398804	LCSD	d1146.d	30.00 g	07-AUG-2006 17:13	1.000	jar3	87	SA8270
20608032801	0115	d1147.d	30.20 g	07-AUG-2006 17:42	1.000	jar3	88	SA8270
20608032802	0115	d1148.d	30.20 g	07-AUG-2006 17:56	1.000	jar3	89	SA8270
20608032803	0115	d1149.d	30.30 g	07-AUG-2006 18:10	1.000	jar3	90	SA8270
20608032804	0115	d1150.d	30.00 g	07-AUG-2006 18:24	1.000	jar3	91	SA8270

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 07-AUG-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
20608032805	0115	d1151.d	30.40 g	07-AUG-2006 18:38	1.000	jar3	92	SA8270
20608033901	0042	d1152.d	30.30 g	07-AUG-2006 18:52	1.000	jar3	93	SA8270
398290	BLK	d1153.d	1000.00 ml	07-AUG-2006 19:07	1.000	jar3	28	naph
398291	LCS	d1154.d	1000.00 ml	07-AUG-2006 19:21	1.000	jar3	29	naph
20608060904	0176	d1155.d	1000.00 ml	07-AUG-2006 19:35	1.000	jar3	30	naph
20608060905	0176	d1156.d	1000.00 ml	07-AUG-2006 19:49	1.000	jar3	31	naph
20608060906	0176	d1157.d	1000.00 ml	07-AUG-2006 20:03	1.000	jar3	32	naph
20608060910	0176	d1158.d	1000.00 ml	07-AUG-2006 20:18	1.000	jar3	33	naph
20608060911	0176	d1159.d	1000.00 ml	07-AUG-2006 20:32	1.000	jar3	34	naph
20608060912	0176	d1160.d	1000.00 ml	07-AUG-2006 20:46	1.000	jar3	35	naph
20608060916	0176	d1161.d	1000.00 ml	07-AUG-2006 21:00	1.000	jar3	36	naph
20608060917	0176	d1162.d	1000.00 ml	07-AUG-2006 21:15	1.000	jar3	37	naph
20608060918	0176	d1163.d	1000.00 ml	07-AUG-2006 21:29	1.000	jar3	38	naph
20608060922	0176	d1164.d	1000.00 ml	07-AUG-2006 21:43	1.000	jar3	39	naph
20608060923	0176	d1165.d	1000.00 ml	07-AUG-2006 21:57	1.000	jar3	40	naph
20608060924	0176	d1166.d	1000.00 ml	07-AUG-2006 22:12	1.000	jar3	41	naph
20608060928	0176	d1167.d	1000.00 ml	07-AUG-2006 22:26	1.000	jar3	42	naph
20608060929	0176	d1168.d	1000.00 ml	07-AUG-2006 22:41	1.000	jar3	43	naph
20608060930	0176	d1169.d	1000.00 ml	07-AUG-2006 22:55	1.000	jar3	44	naph
20608060934	0176	d1170.d	1000.00 ml	07-AUG-2006 23:09	1.000	jar3	45	naph
20608060935	0176	d1171.d	1000.00 ml	07-AUG-2006 23:23	1.000	jar3	46	naph
20608060936	0176	d1172.d	1000.00 ml	07-AUG-2006 23:38	1.000	jar3	47	naph

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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

Method: SW-846 8081

	EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1.	FWPSE-006-EB	80	45	148						43	34	135						0
2.	MB397839	66	45	148						56	34	135						0
3.	LCS397840	83	45	148						51	34	135						0
4.	LCSD397841	71	45	148						63	34	135						0

SMC 1 : Tetrachloro-m-xylene SMC 2 : Decachlorobiphenyl

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

000942

167403

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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.	FWPSE01-001-(0-0.5)	0	D			0	D			0
2.	FWPSE01-001-(0-0.5) MS	0	D			0	D			0
3.	FWPSE01-001-(0-0.5) MSD	0	D			0	D			0
4.	SE-501-(0-0.5)	0	D			0	D			0
5.	FWPSE04-004-(0-0.5)	0	D			0	D			0
6.	FWPSE02-002-(0-0.5)	0	D			0	D			0
7.	FWPSE03-003-(0-0.5)	0	D			0	D			0
8.	FWPSE05-005-(0-0.5)	0	D			0	D			0
9.	MB397860	95				94				0
10.	LCS397861	95				94				0
11.	LCSD397862	99				101				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

000943

167404

3E
WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329583 Analytical Batch: 329857

SAMPLE NO : 397840

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/L	.00025	0	.000228	91		35 - 165
4,4'-DDE	mg/L	.00025	0	.000221	88		57 - 139
4,4'-DDT	mg/L	.00025	0	.000226	90		32 - 148
Aldrin	mg/L	.00025	0	.000204	82		51 - 144
Dieldrin	mg/L	.00025	0	.000233	93		59 - 169
Endosulfan I	mg/L	.00025	0	.000149	60		45 - 159
Endosulfan II	mg/L	.00025	0	.000174	70		49 - 165
Endosulfan sulfate	mg/L	.00025	0	.00026	104		26 - 164
Endrin	mg/L	.00025	0	.000264	106		53 - 168
Endrin aldehyde	mg/L	.00025	0	.000205	82		53 - 186
Endrin ketone	mg/L	.00025	0	.000257	103		31 - 169
Heptachlor	mg/L	.00025	0	.000213	85		51 - 152
Heptachlor epoxide	mg/L	.00025	0	.000241	96		56 - 147
Methoxychlor	mg/L	.00025	0	.000217	87		29 - 179
alpha-BHC	mg/L	.00025	0	.000256	102		45 - 162
alpha-Chlordane	mg/L	.00025	0	.000234	94		55 - 143
beta-BHC	mg/L	.00025	0	.000246	98		53 - 153
delta-BHC	mg/L	.00025	0	.00024	96		61 - 141
gamma-BHC (Lindane)	mg/L	.00025	0	.000252	101		37 - 143
gamma-Chlordane	mg/L	.00025	0	.00023	92		63 - 140

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

000944

167405

3E
WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329583 Analytical Batch: 329857

SAMPLE NO : 397841

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
4,4'-DDD	mg/L	.00025	.000219	88		4		35 - 165	0 - 40
4,4'-DDE	mg/L	.00025	.000209	84		6		57 - 139	0 - 40
4,4'-DDT	mg/L	.00025	.000219	88		3		32 - 148	0 - 40
Aldrin	mg/L	.00025	.000155	62		27		51 - 144	0 - 40
Dieldrin	mg/L	.00025	.000225	90		3		59 - 169	0 - 40
Endosulfan I	mg/L	.00025	.000143	57		4		45 - 159	0 - 40
Endosulfan II	mg/L	.00025	.000168	67		4		49 - 165	0 - 40
Endosulfan sulfate	mg/L	.00025	.000249	100		4		26 - 164	0 - 40
Endrin	mg/L	.00025	.000254	102		4		53 - 168	0 - 40
Endrin aldehyde	mg/L	.00025	.000198	79		3		53 - 186	0 - 40
Endrin ketone	mg/L	.00025	.000247	99		4		31 - 169	0 - 40
Heptachlor	mg/L	.00025	.00017	68		22		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.00025	.000231	92		4		56 - 147	0 - 40
Methoxychlor	mg/L	.00025	.000209	84		4		29 - 179	0 - 40
alpha-BHC	mg/L	.00025	.00024	96		6		45 - 162	0 - 40
alpha-Chlordane	mg/L	.00025	.00022	88		6		55 - 143	0 - 40
beta-BHC	mg/L	.00025	.000231	92		6		53 - 153	0 - 40
delta-BHC	mg/L	.00025	.000231	92		4		61 - 141	0 - 40
gamma-BHC (Lindane)	mg/L	.00025	.000238	95		6		37 - 143	0 - 40
gamma-Chlordane	mg/L	.00025	.00021	84		9		63 - 140	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

000945

167406

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329586 Analytical Batch: 330422

Spike HSN : 397861

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.00833	0	.00798	96		31 - 141
4,4'-DDE	mg/kg	.00833	0	.00808	97		30 - 145
4,4'-DDT	mg/kg	.00833	0	.00912	109		23 - 134
Aldrin	mg/kg	.00833	0	.00685	82		35 - 132
Dieldrin	mg/kg	.00833	0	.0081	97		31 - 134
Endosulfan I	mg/kg	.00833	0	.00495	59		45 - 153
Endosulfan II	mg/kg	.00833	0	.00684	82		0 - 202
Endosulfan sulfate	mg/kg	.00833	0	.00829	99		26 - 144
Endrin	mg/kg	.00833	0	.00848	102		42 - 139
Endrin aldehyde	mg/kg	.00833	0	.00717	86		0 - 202
Endrin ketone	mg/kg	.00833	0	.00877	105		26 - 144
Heptachlor	mg/kg	.00833	0	.00759	91		35 - 130
Heptachlor epoxide	mg/kg	.00833	0	.00813	98		37 - 142
Methoxychlor	mg/kg	.00833	0	.00803	96		26 - 144
alpha-BHC	mg/kg	.00833	0	.00765	92		37 - 134
alpha-Chlordane	mg/kg	.00833	0	.00856	103		45 - 119
beta-BHC	mg/kg	.00833	0	.00802	96		17 - 147
delta-BHC	mg/kg	.00833	0	.0084	101		19 - 140
gamma-BHC (Lindane)	mg/kg	.00833	0	.00805	97		46 - 127
gamma-Chlordane	mg/kg	.00833	0	.00831	100		45 - 119

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329586 Analytical Batch: 330422

Spike Dupe HSN : 397862

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
4,4'-DDD	mg/kg	.00833	.0085	102		6		31 - 141	0 - 40
4,4'-DDE	mg/kg	.00833	.00866	104		7		30 - 145	0 - 40
4,4'-DDT	mg/kg	.00833	.01	125		9		23 - 134	0 - 40
Aldrin	mg/kg	.00833	.0069	83		.7		35 - 132	0 - 40
Dieldrin	mg/kg	.00833	.0088	106		8		31 - 134	0 - 40
Endosulfan I	mg/kg	.00833	.00536	64		8		45 - 153	0 - 40
Endosulfan II	mg/kg	.00833	.00726	87		6		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.00833	.00905	109		9		26 - 144	0 - 40
Endrin	mg/kg	.00833	.00917	110		8		42 - 139	0 - 40
Endrin aldehyde	mg/kg	.00833	.00786	94		9		0 - 202	0 - 40
Endrin ketone	mg/kg	.00833	.00967	116		10		26 - 144	0 - 40
Heptachlor	mg/kg	.00833	.00784	94		3		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.00833	.00862	103		6		37 - 142	0 - 40
Methoxychlor	mg/kg	.00833	.00948	114		17		26 - 144	0 - 40
alpha-BHC	mg/kg	.00833	.00783	94		2		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.00833	.0093	112		8		45 - 119	0 - 40
beta-BHC	mg/kg	.00833	.0085	102		6		17 - 147	0 - 40
delta-BHC	mg/kg	.00833	.00902	108		7		19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.00833	.00837	100		4		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.00833	.00898	108		8		45 - 119	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

000947

167408

3E
WATER ORGANICS MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329583 Analytical Batch: 329857

SAMPLE NO : 20608042802

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/L	.00025	0	.000187	75		35 - 165
4,4'-DDE	mg/L	.00025	0	.000173	69		57 - 139
4,4'-DDT	mg/L	.00025	0	.000167	67		32 - 148
Aldrin	mg/L	.00025	0	.000227	91		51 - 144
Dieldrin	mg/L	.00025	0	.000222	89		59 - 169
Endosulfan I	mg/L	.00025	0	.000221	88		45 - 159
Endosulfan II	mg/L	.00025	0	.000203	81		49 - 165
Endosulfan sulfate	mg/L	.00025	0	.000254	102		26 - 164
Endrin	mg/L	.00025	0	.000249	100		53 - 168
Endrin aldehyde	mg/L	.00025	0	.000188	75		53 - 186
Endrin ketone	mg/L	.00025	0	.000251	100		31 - 169
Heptachlor	mg/L	.00025	0	.000137	55		51 - 152
Heptachlor epoxide	mg/L	.00025	0	.000211	84		56 - 147
Methoxychlor	mg/L	.00025	0	.000198	79		29 - 179
alpha-BHC	mg/L	.00025	0	.000216	86		45 - 162
alpha-Chlordane	mg/L	.00025	0	.00023	92		55 - 143
beta-BHC	mg/L	.00025	0	.00025	100		53 - 153
delta-BHC	mg/L	.00025	0	.000216	86		61 - 141
gamma-BHC (Lindane)	mg/L	.00025	0	.000226	90		37 - 143
gamma-Chlordane	mg/L	.00025	0	.000176	70		63 - 140

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

3E
WATER ORGANICS MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329583 Analytical Batch: 329857

SAMPLE NO : ***20608042803***

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
4,4'-DDD	mg/L	.00025	.000233	93		22		35 - 165	0 - 40
4,4'-DDE	mg/L	.00025	.000197	79		13		57 - 139	0 - 40
4,4'-DDT	mg/L	.00025	.000216	86		26		32 - 148	0 - 40
Aldrin	mg/L	.00025	.000183	73		21		51 - 144	0 - 40
Dieldrin	mg/L	.00025	.000248	99		11		59 - 169	0 - 40
Endosulfan I	mg/L	.00025	.000175	70		23		45 - 159	0 - 40
Endosulfan II	mg/L	.00025	.000251	100		21		49 - 165	0 - 40
Endosulfan sulfate	mg/L	.00025	.000295	118		15		26 - 164	0 - 40
Endrin	mg/L	.00025	.000296	118		17		53 - 168	0 - 40
Endrin aldehyde	mg/L	.00025	.00022	88		16		53 - 186	0 - 40
Endrin ketone	mg/L	.00025	.000292	117		15		31 - 169	0 - 40
Heptachlor	mg/L	.00025	.000182	73		28		51 - 152	0 - 40
Heptachlor epoxide	mg/L	.00025	.000262	105		22		56 - 147	0 - 40
Methoxychlor	mg/L	.00025	.000247	99		22		29 - 179	0 - 40
alpha-BHC	mg/L	.00025	.000251	100		15		45 - 162	0 - 40
alpha-Chlordane	mg/L	.00025	.000233	93		1		55 - 143	0 - 40
beta-BHC	mg/L	.00025	.000259	104		4		53 - 153	0 - 40
delta-BHC	mg/L	.00025	.000253	101		16		61 - 141	0 - 40
gamma-BHC (Lindane)	mg/L	.00025	.000248	99		9		37 - 143	0 - 40
gamma-Chlordane	mg/L	.00025	.000238	95		30		63 - 140	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 0 out of 40 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329586 Analytical Batch: 330422

Spike HSN : 20608043102

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.014	0	.043	296	*	31 - 141
4,4'-DDE	mg/kg	.014	0	.293	2040	*	30 - 145
4,4'-DDT	mg/kg	.014	0	.014	99		23 - 134
Aldrin	mg/kg	.014	0	.103	722	*	35 - 132
Dieldrin	mg/kg	.014	0	.333	2320	*	31 - 134
Endosulfan I	mg/kg	.014	0	1.14	7970	*	45 - 153
Endosulfan II	mg/kg	.014	0	.024	172		0 - 202
Endosulfan sulfate	mg/kg	.014	0	.014	96		26 - 144
Endrin	mg/kg	.014	0	.062	434	*	42 - 139
Endrin aldehyde	mg/kg	.014	0	.012	87		0 - 202
Endrin ketone	mg/kg	.014	0	.013	90		26 - 144
Heptachlor	mg/kg	.014	0	.117	821	*	35 - 130
Heptachlor epoxide	mg/kg	.014	0	.572	3980	*	37 - 142
Methoxychlor	mg/kg	.014	0	.01	71		26 - 144
alpha-BHC	mg/kg	.014	0	.045	311	*	37 - 134
alpha-Chlordane	mg/kg	.014	0	.217	1510	*	45 - 119
beta-BHC	mg/kg	.014	0	.222	1550	*	17 - 147
delta-BHC	mg/kg	.014	0	.183	1270	*	19 - 140
gamma-BHC (Lindane)	mg/kg	.014	0	.098	683	*	46 - 127
gamma-Chlordane	mg/kg	.014	0	.658	4580	*	45 - 119

RPD : 3 out of 20 outside limits

Spike Recovery: 28 out of 40 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8081

Prep Batch: 329586 Analytical Batch: 330422

Spike Dupe HSN : 20608043103

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
4,4'-DDD	mg/kg	.014	.00457	32		162	*	31 - 141	0 - 40
4,4'-DDE	mg/kg	.014	.498	3530	*	52	*	30 - 145	0 - 40
4,4'-DDT	mg/kg	.014	.019	139	*	28		23 - 134	0 - 40
Aldrin	mg/kg	.014	.109	766	*	5		35 - 132	0 - 40
Dieldrin	mg/kg	.014	.243	1720	*	31		31 - 134	0 - 40
Endosulfan I	mg/kg	.014	.32	2270	*	112	*	45 - 153	0 - 40
Endosulfan II	mg/kg	.014	.024	176		0		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.014	.014	101		3		26 - 144	0 - 40
Endrin	mg/kg	.014	.057	401	*	9		42 - 139	0 - 40
Endrin aldehyde	mg/kg	.014	.016	113		25		0 - 202	0 - 40
Endrin ketone	mg/kg	.014	.013	91		.7		26 - 144	0 - 40
Heptachlor	mg/kg	.014	.165	1170	*	34		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.014	.438	3100	*	27		37 - 142	0 - 40
Methoxychlor	mg/kg	.014	.01	71		2		26 - 144	0 - 40
alpha-BHC	mg/kg	.014	.034	246	*	26		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.014	.298	2110	*	31		45 - 119	0 - 40
beta-BHC	mg/kg	.014	.186	1320	*	18		17 - 147	0 - 40
delta-BHC	mg/kg	.014	.138	970	*	28		19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.014	.084	598	*	15		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.014	.853	6040	*	26		45 - 119	0 - 40

RPD : 3 out of 20 outside limits

Spike Recovery: 28 out of 40 outside limits

000951

167412

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB397839

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

Lab Sample ID: 397839 | SAS No.: | SDG No.: 206080431

Matrix: Water | Sulfur Cleanup: (Y/N) N | Date Extracted: 08/05/06

Date Analyzed (1): 08/07/06 | Time (1): 1207 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS16A | Instrument ID (2):

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

Method: SW-846 8081 | Prep Batch: 329583 | Analytical Batch: 329857

Lab File ID: 2060807/SV16A0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS397840	397840	08/07/06	1225		
2.	LCSD397841	397841	08/07/06	1244		
3.	FWPSE-006-EB	20608043109	08/07/06	1848		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB397860

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

Lab Sample ID: 397860 | SAS No.: | SDG No.: 206080431

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 08/05/06

Date Analyzed (1): 08/11/06 | Time (1): 1144 | 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: 329586 | Analytical Batch: 330422

Lab File ID: 2060811/SV18A0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS397861	397861	08/11/06	1203		
2.	LCSD397862	397862	08/11/06	1221		
3.	FWPSE01-001-(0-0.5)	20608043101	08/11/06	1736		
4.	FWPSE01-001-(0-0.5) MS	20608043102	08/11/06	1813		
5.	FWPSE01-001-(0-0.5) MSD	20608043103	08/11/06	1851		
6.	SE-501-(0-0.5)	20608043104	08/11/06	2043		
7.	FWPSE04-004-(0-0.5)	20608043105	08/11/06	2120		
8.	FWPSE02-002-(0-0.5)	20608043106	08/11/06	2157		
9.	FWPSE03-003-(0-0.5)	20608043107	08/11/06	2235		
10.	FWPSE05-005-(0-0.5)	20608043108	08/11/06	2312		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE01-001-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20608043101

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1350

% Moisture: 42.0 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1736

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.171	U	0.020	0.171
72-55-9	4,4'-DDE	0.171	U	0.028	0.171
50-29-3	4,4'-DDT	0.171	U	0.011	0.171
309-00-2	Aldrin	0.086	U	0.014	0.086
60-57-1	Dieldrin	0.171	U	0.012	0.171
959-98-8	Endosulfan I	0.086	U	0.015	0.086
33213-65-9	Endosulfan II	0.171	U	0.024	0.171
1031-07-8	Endosulfan sulfate	0.171	U	0.023	0.171
72-20-8	Endrin	0.171	U	0.015	0.171
7421-93-4	Endrin aldehyde	0.171	U	0.029	0.171
53494-70-5	Endrin ketone	0.171	U	0.036	0.171
76-44-8	Heptachlor	0.086	U	0.00899	0.086
1024-57-3	Heptachlor epoxide	0.086	U	0.030	0.086
72-43-5	Methoxychlor	0.856	U	0.053	0.856
8001-35-2	Toxaphene	8.56	U	0.401	8.56
319-84-6	alpha-BHC	0.086	U	0.014	0.086
5103-71-9	alpha-Chlordane	0.086	U	0.015	0.086
319-85-7	beta-BHC	0.171	U	0.023	0.171
319-86-8	delta-BHC	0.086	U	0.014	0.086
58-89-9	gamma-BHC (Lindane)	0.086	U	0.027	0.086
5103-74-2	gamma-Chlordane	0.086	U	0.019	0.086

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a004.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a004.d
Lab Smp Id: 20608043101
Inj Date : 11-AUG-2006 17:36
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043101*50
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 4
Dil Factor: 50.00000
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	50.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.246	5.259	-0.013	7958191	1.74030	14
$ 22 Decachlorobiphenyl	13.130	13.124	0.006	7148890	2.04948	17

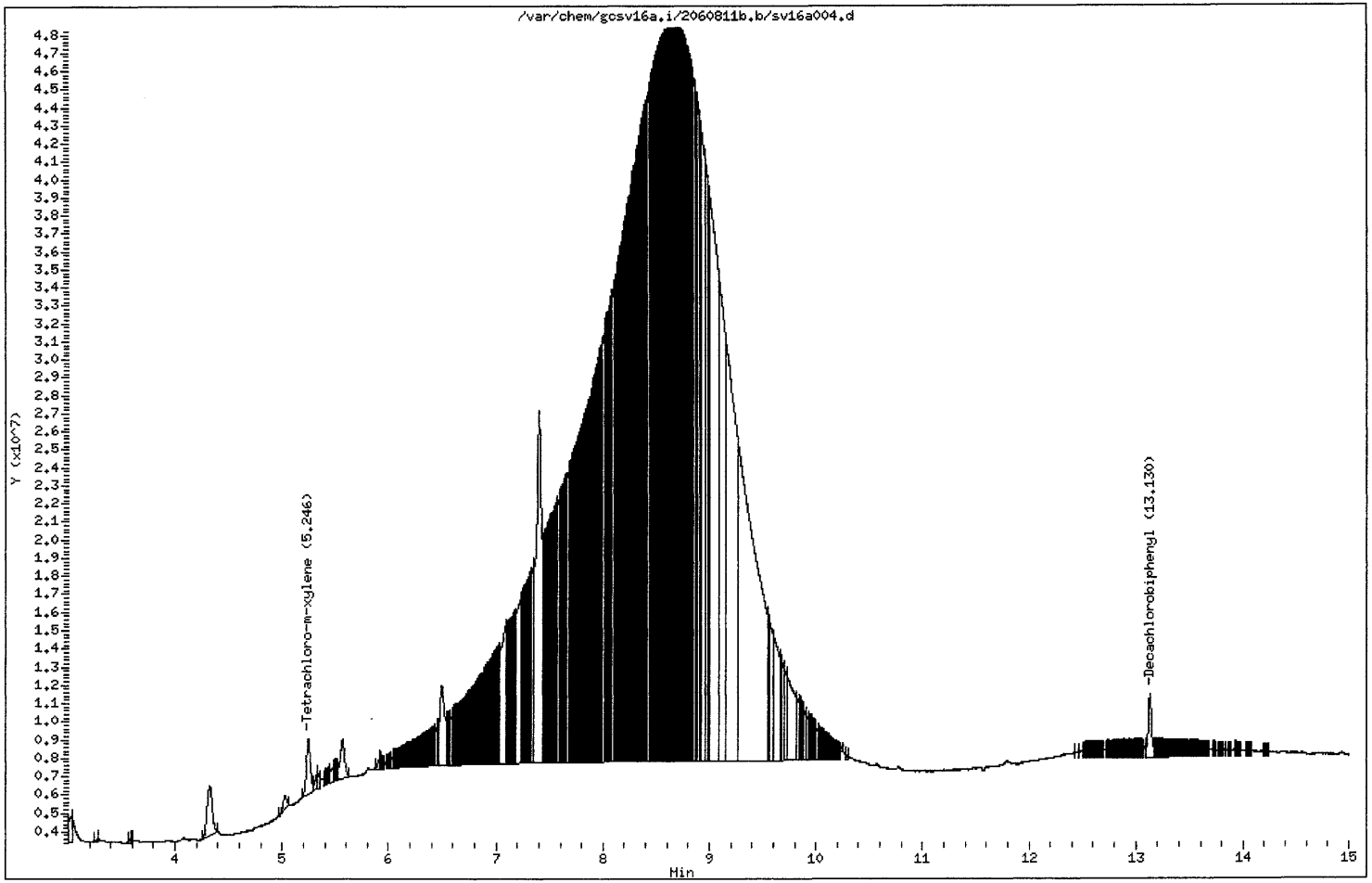
000955

167416

000956

Data File: /var/chem/gosv16a.i/2060811b.b/sv16a004.d
Date : 11-AUG-2006 17:36
Client ID:
Sample Info: 20608043101*50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gosv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-501-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043104

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1405

% Moisture: 43.2 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2043

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A014

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.176	U	0.021	0.176
72-55-9	4,4'-DDE	0.176	U	0.029	0.176
50-29-3	4,4'-DDT	0.176	U	0.011	0.176
309-00-2	Aldrin	0.088	U	0.014	0.088
60-57-1	Dieldrin	0.176	U	0.012	0.176
959-98-8	Endosulfan I	0.088	U	0.015	0.088
33213-65-9	Endosulfan II	0.176	U	0.025	0.176
1031-07-8	Endosulfan sulfate	0.176	U	0.023	0.176
72-20-8	Endrin	0.176	U	0.015	0.176
7421-93-4	Endrin aldehyde	0.176	U	0.029	0.176
53494-70-5	Endrin ketone	0.176	U	0.037	0.176
76-44-8	Heptachlor	0.088	U	0.00924	0.088
1024-57-3	Heptachlor epoxide	0.088	U	0.031	0.088
72-43-5	Methoxychlor	0.880	U	0.055	0.880
8001-35-2	Toxaphene	8.80	U	0.412	8.80
319-84-6	alpha-BHC	0.088	U	0.014	0.088
5103-71-9	alpha-Chlordane	0.088	U	0.016	0.088
319-85-7	beta-BHC	0.176	U	0.024	0.176
319-86-8	delta-BHC	0.088	U	0.014	0.088
58-89-9	gamma-BHC (Lindane)	0.088	U	0.028	0.088
5103-74-2	gamma-Chlordane	0.088	U	0.019	0.088

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a014.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a014.d
Lab Smp Id: 20608043104
Inj Date : 11-AUG-2006 20:43
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043104*50
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 14
Dil Factor: 50.00000
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	50.00000	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	5.236	5.259	-0.023	14962764	3.27207	27
$ 22 Decachlorobiphenyl	13.122	13.124	-0.002	11127866	3.19019	27

000958

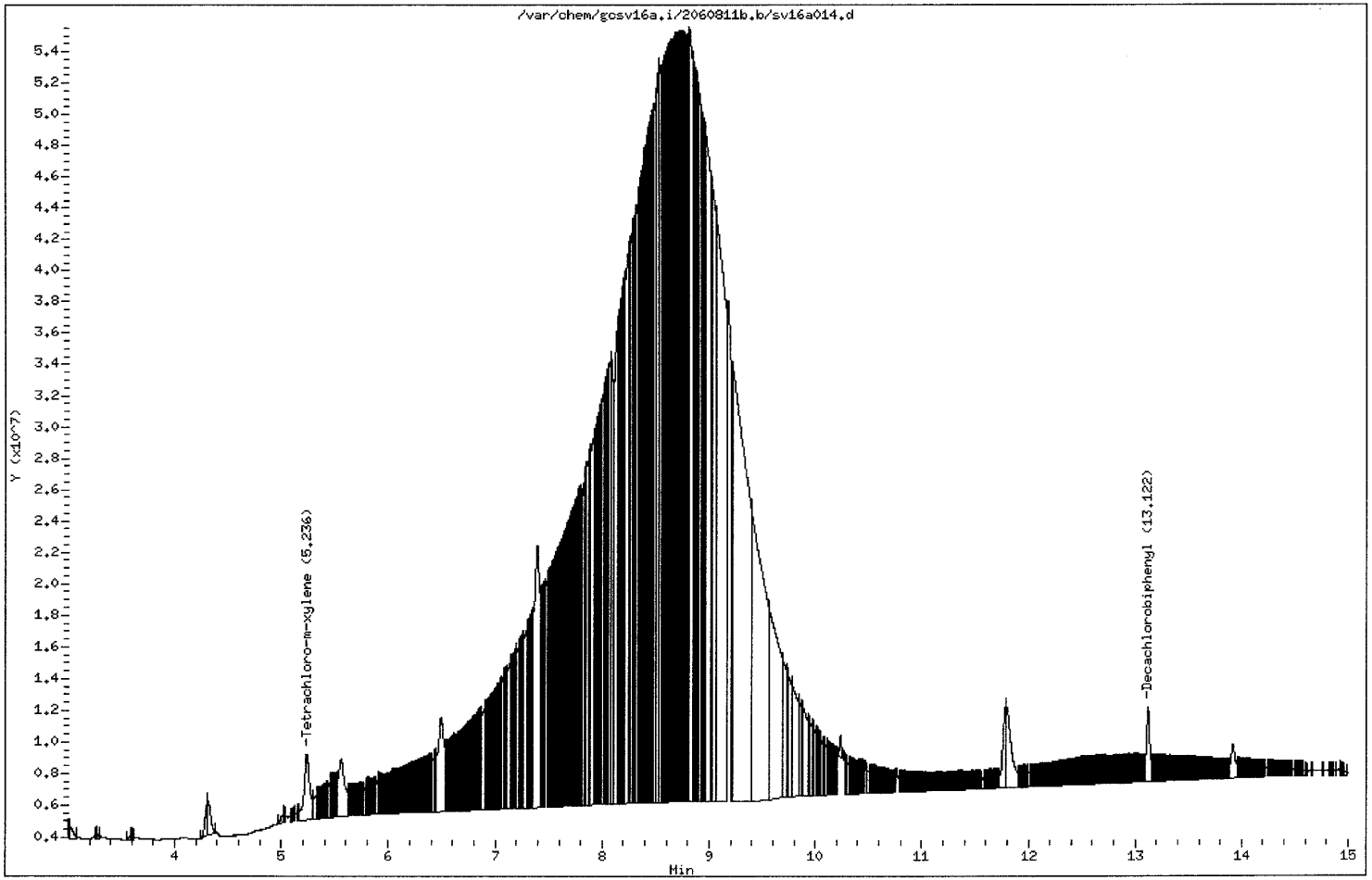
167419

000959

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a014.d
Date : 11-AUG-2006 20:43
Client ID:
Sample Info: 20608043104*50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



167420

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE04-004-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20608043105

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1420

% Moisture: 42.5 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2120

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A016

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.171	U	0.020	0.171
72-55-9	4,4'-DDE	0.171	U	0.028	0.171
50-29-3	4,4'-DDT	0.171	U	0.011	0.171
309-00-2	Aldrin	0.085	U	0.014	0.085
60-57-1	Dieldrin	0.171	U	0.012	0.171
959-98-8	Endosulfan I	0.085	U	0.015	0.085
33213-65-9	Endosulfan II	0.171	U	0.024	0.171
1031-07-8	Endosulfan sulfate	0.171	U	0.023	0.171
72-20-8	Endrin	0.171	U	0.015	0.171
7421-93-4	Endrin aldehyde	0.171	U	0.029	0.171
53494-70-5	Endrin ketone	0.171	U	0.036	0.171
76-44-8	Heptachlor	0.085	U	0.00898	0.085
1024-57-3	Heptachlor epoxide	0.085	U	0.030	0.085
72-43-5	Methoxychlor	0.855	U	0.053	0.855
8001-35-2	Toxaphene	8.55	U	0.401	8.55
319-84-6	alpha-BHC	0.085	U	0.014	0.085
5103-71-9	alpha-Chlordane	0.085	U	0.015	0.085
319-85-7	beta-BHC	0.171	U	0.023	0.171
319-86-8	delta-BHC	0.085	U	0.014	0.085
58-89-9	gamma-BHC (Lindane)	0.085	U	0.027	0.085
5103-74-2	gamma-Chlordane	0.085	U	0.019	0.085

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a016.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a016.d
Lab Smp Id: 20608043105
Inj Date : 11-AUG-2006 21:20
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043105*50
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 16
Dil Factor: 50.00000
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	50.00000	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	5.238	5.259	-0.021	10305587	2.25364	18
$ 22 Decachlorobiphenyl	13.122	13.124	-0.002	9724084	2.78775	23

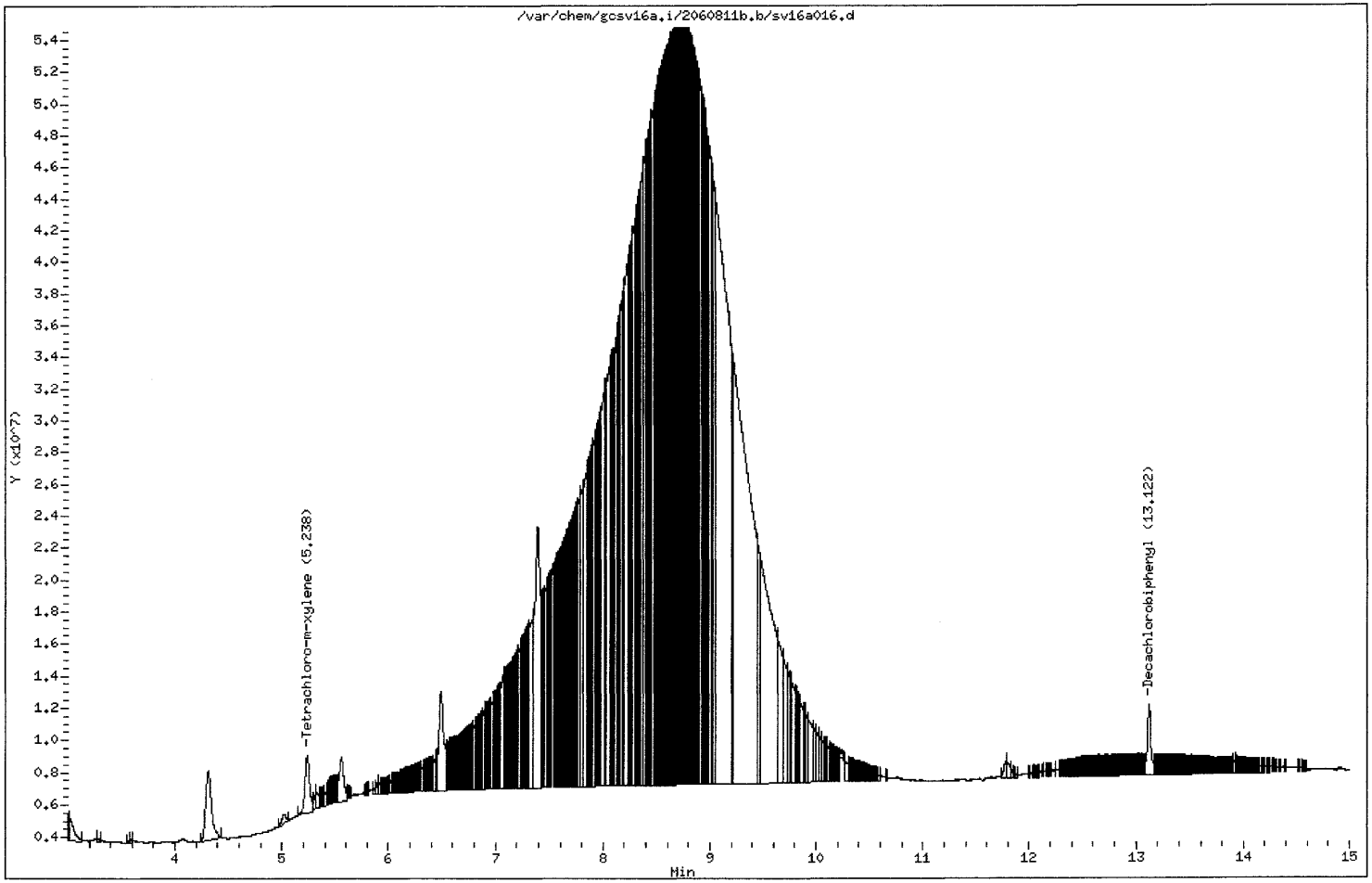
000961

167422

000962

Data File: /var/chem/gosv16a.i/2060811b.b/sv16a016.d
Date : 11-AUG-2006 21:20
Client ID:
Sample Info: 20608043105*50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gosv16a.i
Operator: tls
Column diameter: 0.32



167423

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE02-002-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20608043106

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1500

% Moisture: 56.0 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2157

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A018

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.224	U	0.026	0.224
72-55-9	4,4'-DDE	0.224	U	0.036	0.224
50-29-3	4,4'-DDT	0.224	U	0.014	0.224
309-00-2	Aldrin	0.112	U	0.018	0.112
60-57-1	Dieldrin	0.224	U	0.016	0.224
959-98-8	Endosulfan I	0.112	U	0.019	0.112
33213-65-9	Endosulfan II	0.224	U	0.031	0.224
1031-07-8	Endosulfan sulfate	0.224	U	0.030	0.224
72-20-8	Endrin	0.224	U	0.019	0.224
7421-93-4	Endrin aldehyde	0.224	U	0.037	0.224
53494-70-5	Endrin ketone	0.224	U	0.047	0.224
76-44-8	Heptachlor	0.112	U	0.012	0.112
1024-57-3	Heptachlor epoxide	0.112	U	0.040	0.112
72-43-5	Methoxychlor	1.12	U	0.070	1.12
8001-35-2	Toxaphene	11.2	U	0.524	11.2
319-84-6	alpha-BHC	0.112	U	0.018	0.112
5103-71-9	alpha-Chlordane	0.112	U	0.020	0.112
319-85-7	beta-BHC	0.224	U	0.030	0.224
319-86-8	delta-BHC	0.112	U	0.018	0.112
58-89-9	gamma-BHC (Lindane)	0.112	U	0.035	0.112
5103-74-2	gamma-Chlordane	0.112	U	0.025	0.112

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a018.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a018.d
Lab Smp Id: 20608043106
Inj Date : 11-AUG-2006 21:57
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043106*50
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 18
Dil Factor: 50.00000
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	50.00000	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

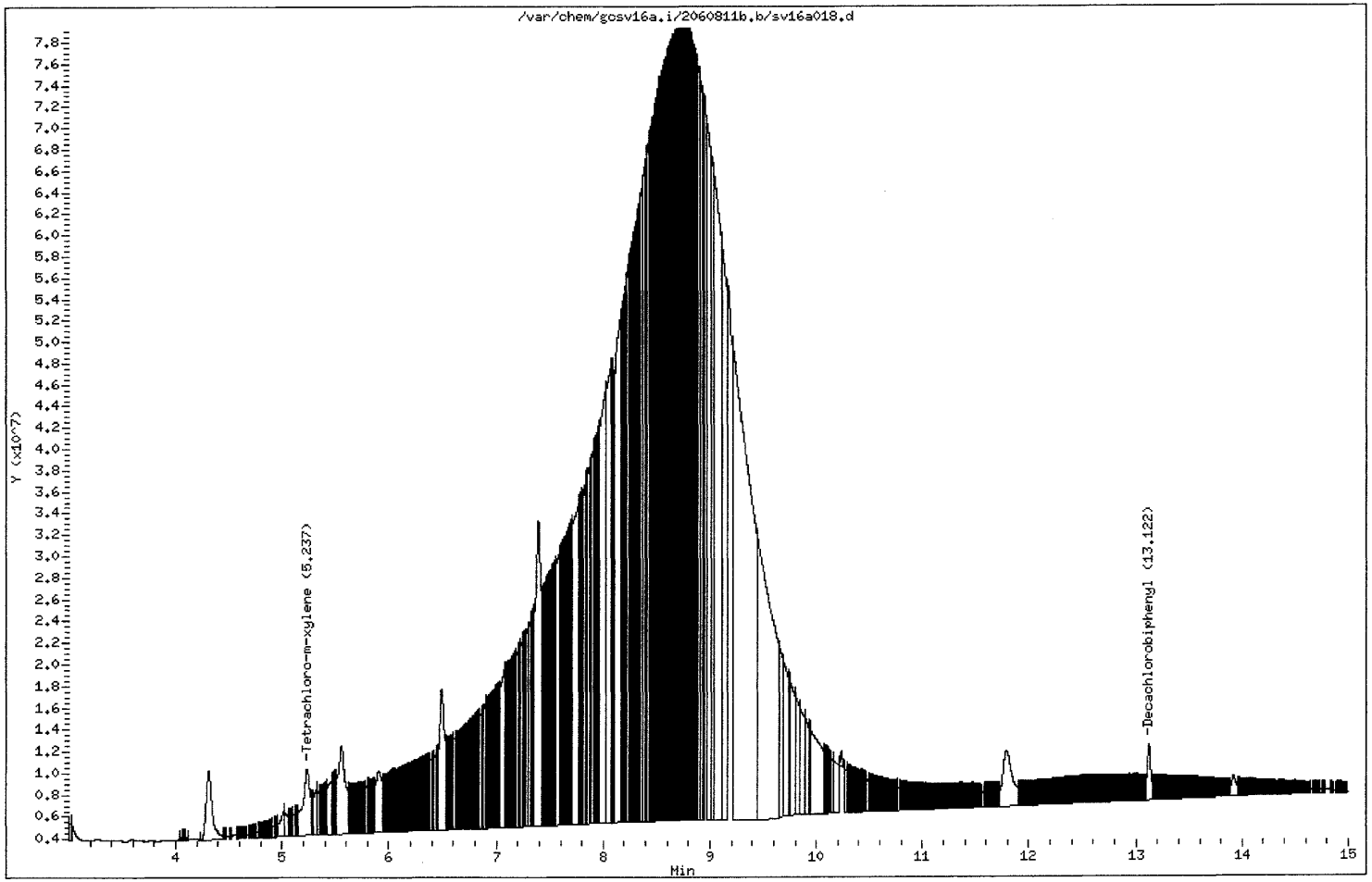
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.237	5.259	-0.022	29273012	6.40145	52
$ 22 Decachlorobiphenyl	13.122	13.124	-0.002	12777993	3.66325	30

167425

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a018.d
Date : 11-AUG-2006 21:57
Client ID:
Sample Info: 20608043106*50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE03-003-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043107

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1525

% Moisture: 44.4 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2235

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.180	U	0.021	0.180
72-55-9	4,4'-DDE	0.180	U	0.029	0.180
50-29-3	4,4'-DDT	0.180	U	0.011	0.180
309-00-2	Aldrin	0.090	U	0.014	0.090
60-57-1	Dieldrin	0.180	U	0.013	0.180
959-98-8	Endosulfan I	0.090	U	0.015	0.090
33213-65-9	Endosulfan II	0.180	U	0.025	0.180
1031-07-8	Endosulfan sulfate	0.180	U	0.024	0.180
72-20-8	Endrin	0.180	U	0.015	0.180
7421-93-4	Endrin aldehyde	0.180	U	0.030	0.180
53494-70-5	Endrin ketone	0.180	U	0.038	0.180
76-44-8	Heptachlor	0.090	U	0.00944	0.090
1024-57-3	Heptachlor epoxide	0.090	U	0.032	0.090
72-43-5	Methoxychlor	0.899	U	0.056	0.899
8001-35-2	Toxaphene	8.99	U	0.421	8.99
319-84-6	alpha-BHC	0.090	U	0.014	0.090
5103-71-9	alpha-Chlordane	0.090	U	0.016	0.090
319-85-7	beta-BHC	0.180	U	0.024	0.180
319-86-8	delta-BHC	0.090	U	0.014	0.090
58-89-9	gamma-BHC (Lindane)	0.090	U	0.028	0.090
5103-74-2	gamma-Chlordane	0.090	U	0.020	0.090

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a020.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a020.d
Lab Smp Id: 20608043107
Inj Date : 11-AUG-2006 22:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043107*50
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 20
Dil Factor: 50.00000
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	50.00000	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

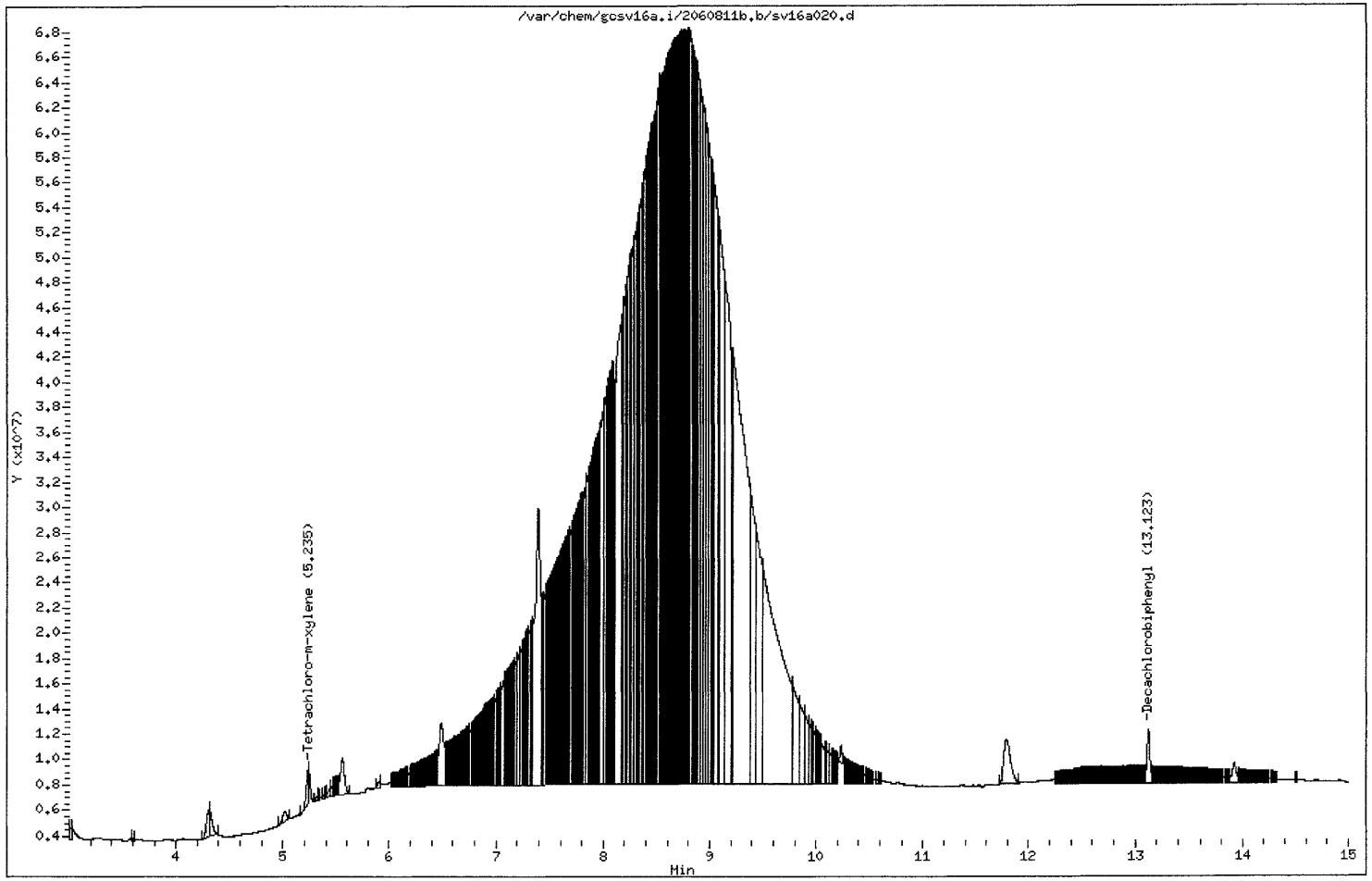
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.235	5.259	-0.024	4199432	0.91834	7.7
$ 22 Decachlorobiphenyl	13.123	13.124	-0.001	8901803	2.55201	21

000967

167428

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a020.d
Date : 11-AUG-2006 22:35
Client ID:
Sample Info: 20608043107*50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE05-005-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043108

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1550

% Moisture: 46.8 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2312

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.188	U	0.022	0.188
72-55-9	4,4'-DDE	0.188	U	0.031	0.188
50-29-3	4,4'-DDT	0.188	U	0.012	0.188
309-00-2	Aldrin	0.094	U	0.015	0.094
60-57-1	Dieldrin	0.188	U	0.013	0.188
959-98-8	Endosulfan I	0.094	U	0.016	0.094
33213-65-9	Endosulfan II	0.188	U	0.026	0.188
1031-07-8	Endosulfan sulfate	0.188	U	0.025	0.188
72-20-8	Endrin	0.188	U	0.016	0.188
7421-93-4	Endrin aldehyde	0.188	U	0.031	0.188
53494-70-5	Endrin ketone	0.188	U	0.039	0.188
76-44-8	Heptachlor	0.094	U	0.00986	0.094
1024-57-3	Heptachlor epoxide	0.094	U	0.033	0.094
72-43-5	Methoxychlor	0.939	U	0.059	0.939
8001-35-2	Toxaphene	9.39	U	0.440	9.39
319-84-6	alpha-BHC	0.094	U	0.015	0.094
5103-71-9	alpha-Chlordane	0.094	U	0.017	0.094
319-85-7	beta-BHC	0.188	U	0.025	0.188
319-86-8	delta-BHC	0.094	U	0.015	0.094
58-89-9	gamma-BHC (Lindane)	0.094	U	0.030	0.094
5103-74-2	gamma-Chlordane	0.094	U	0.021	0.094

000969

167430

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a022.d
Report Date: 14-Aug-2006 14:02

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a022.d
Lab Smp Id: 20608043108
Inj Date : 11-AUG-2006 23:12
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043108*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:55 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 22
Dil Factor: 50.00000
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	50.00000	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

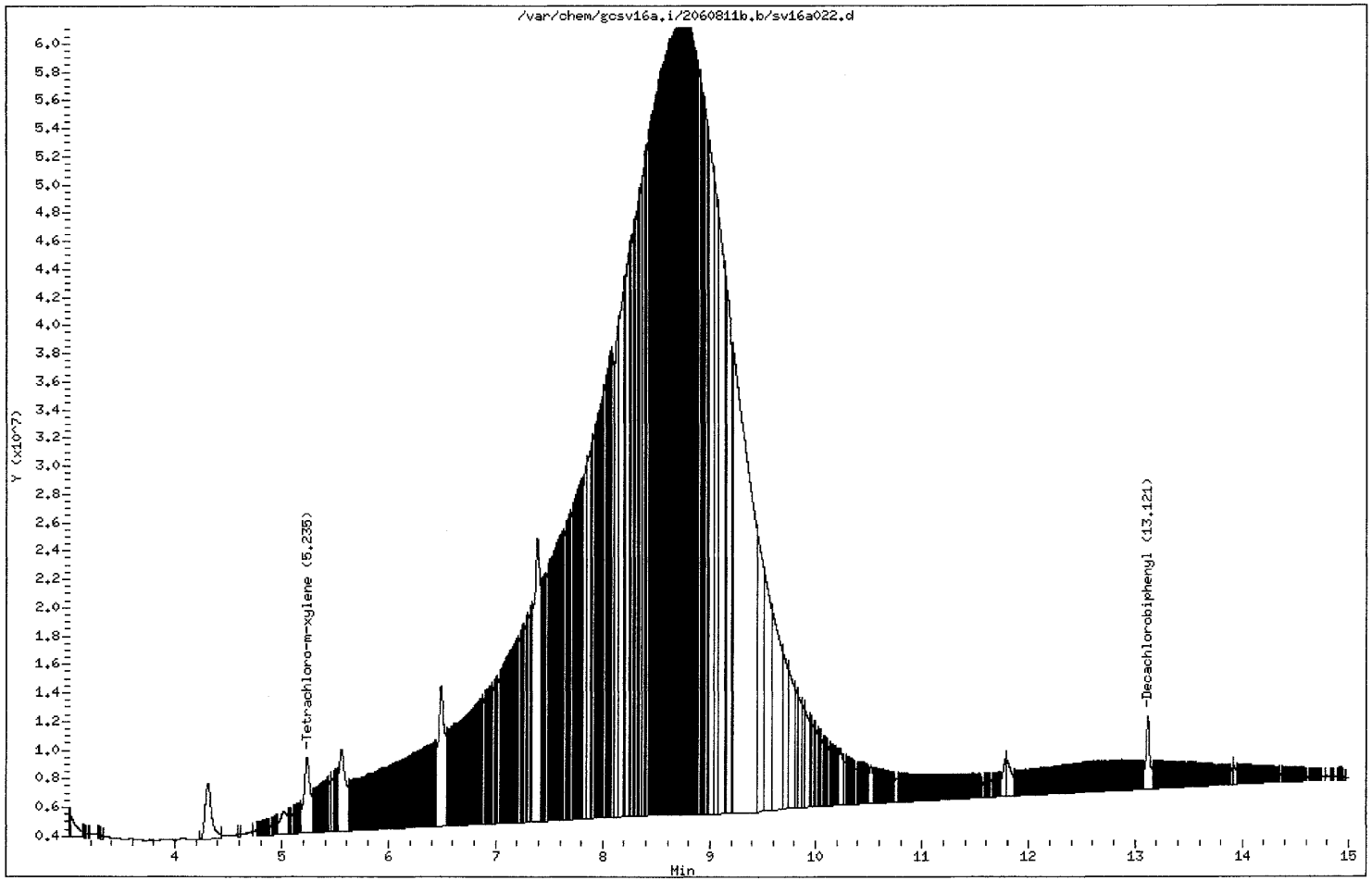
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.235	5.259	-0.024	21540498	4.71050	39
$ 22 Decachlorobiphenyl	13.121	13.123	-0.002	12934207	3.70804	31

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a022.d
Date : 11-AUG-2006 23:12
Client ID:
Sample Info: 20608043108x50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE-006-EB

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 20608043109

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1615

% Moisture: | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1848

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

Injection Volume: 1 (µL) | Prep Method: 3510C

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

Prep Batch: 329583 | Analytical Batch: 329857 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.0000500	U	0.000001	0.000050
72-55-9	4,4'-DDE	0.0000500	U	0.000005	0.000050
50-29-3	4,4'-DDT	0.0000500	U	0.000005	0.000050
309-00-2	Aldrin	0.0000231	J	0.000002	0.000025
60-57-1	Dieldrin	0.0000500	U	0.000004	0.000050
959-98-8	Endosulfan I	0.0000250	U	0.000002	0.000025
33213-65-9	Endosulfan II	0.0000500	U	0.000007	0.000050
1031-07-8	Endosulfan sulfate	0.0000500	U	0.000002	0.000050
72-20-8	Endrin	0.0000500	U	0.000008	0.000050
7421-93-4	Endrin aldehyde	0.0000500	U	0.000004	0.000050
53494-70-5	Endrin ketone	0.0000500	U	0.000004	0.000050
76-44-8	Heptachlor	0.0000150	J	0.000004	0.000025
1024-57-3	Heptachlor epoxide	0.0000250	U	0.000007	0.000025
72-43-5	Methoxychlor	0.000250	U	0.000002	0.000250
8001-35-2	Toxaphene	0.00250	U	0.000275	0.00250
319-84-6	alpha-BHC	0.0000250	U	0.000002	0.000025
5103-71-9	alpha-Chlordane	0.0000250	U	0.000002	0.000025
319-85-7	beta-BHC	0.0000250	U	0.000004	0.000025
319-86-8	delta-BHC	0.0000250	U	0.000002	0.000025
58-89-9	gamma-BHC (Lindane)	0.0000170	J	0.000002	0.000025
5103-74-2	gamma-Chlordane	0.0000250	U	0.000005	0.000025

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a024.d
Report Date: 09-Aug-2006 11:36

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a024.d
Lab Smp Id: 20608043109
Inj Date : 07-AUG-2006 18:48
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043109*1
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:36 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

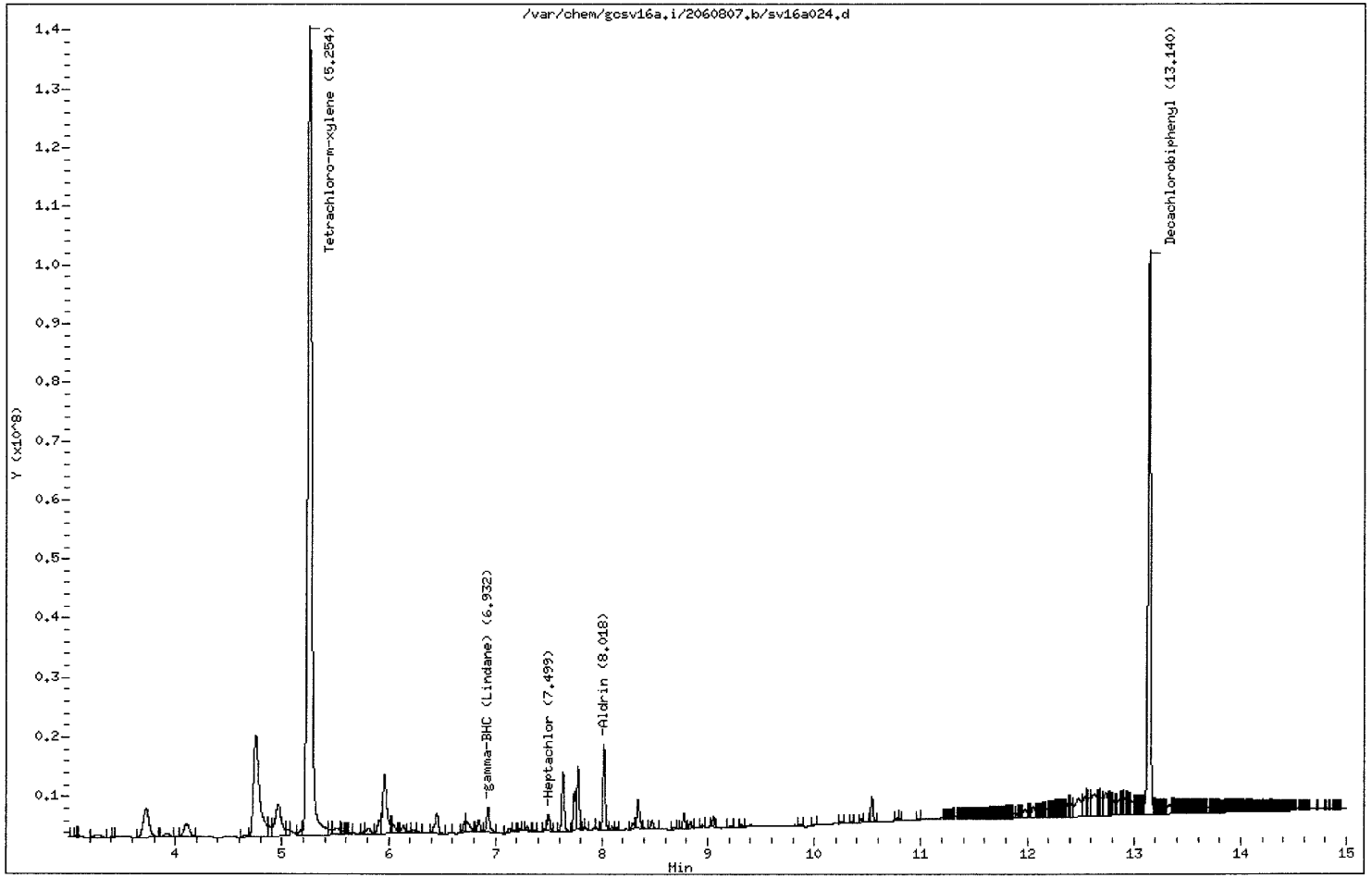
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	5.254	5.262	-0.008	364004144	79.6008	0.40
3	gamma-BHC (Lindane)	6.932	6.956	-0.024	7645554	1.49642	0.0075
4	Heptachlor	7.499	7.527	-0.028	4410986	0.90175	0.0045
5	Aldrin	8.018	7.996	0.022	22335539	4.61964	0.023
$ 22	Decachlorobiphenyl	13.140	13.157	-0.017	151608860	43.4639	0.22

167434

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a024.d
Date : 07-AUG-2006 18:48
Client ID:
Instrument: gcsv16a.i
Sample Info: 20608043109M1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data File: /var/chem/gcsv16b.i/2060807.b/sv16b024.d
Report Date: 09-Aug-2006 11:16

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060807.b/sv16b024.d
Lab Smp Id: 20608043109
Inj Date : 07-AUG-2006 19:07
Operator : tls Inst ID: gcsv16b.i
Smp Info : 20608043109*1
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Meth Date : 09-Aug-2006 10:41 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

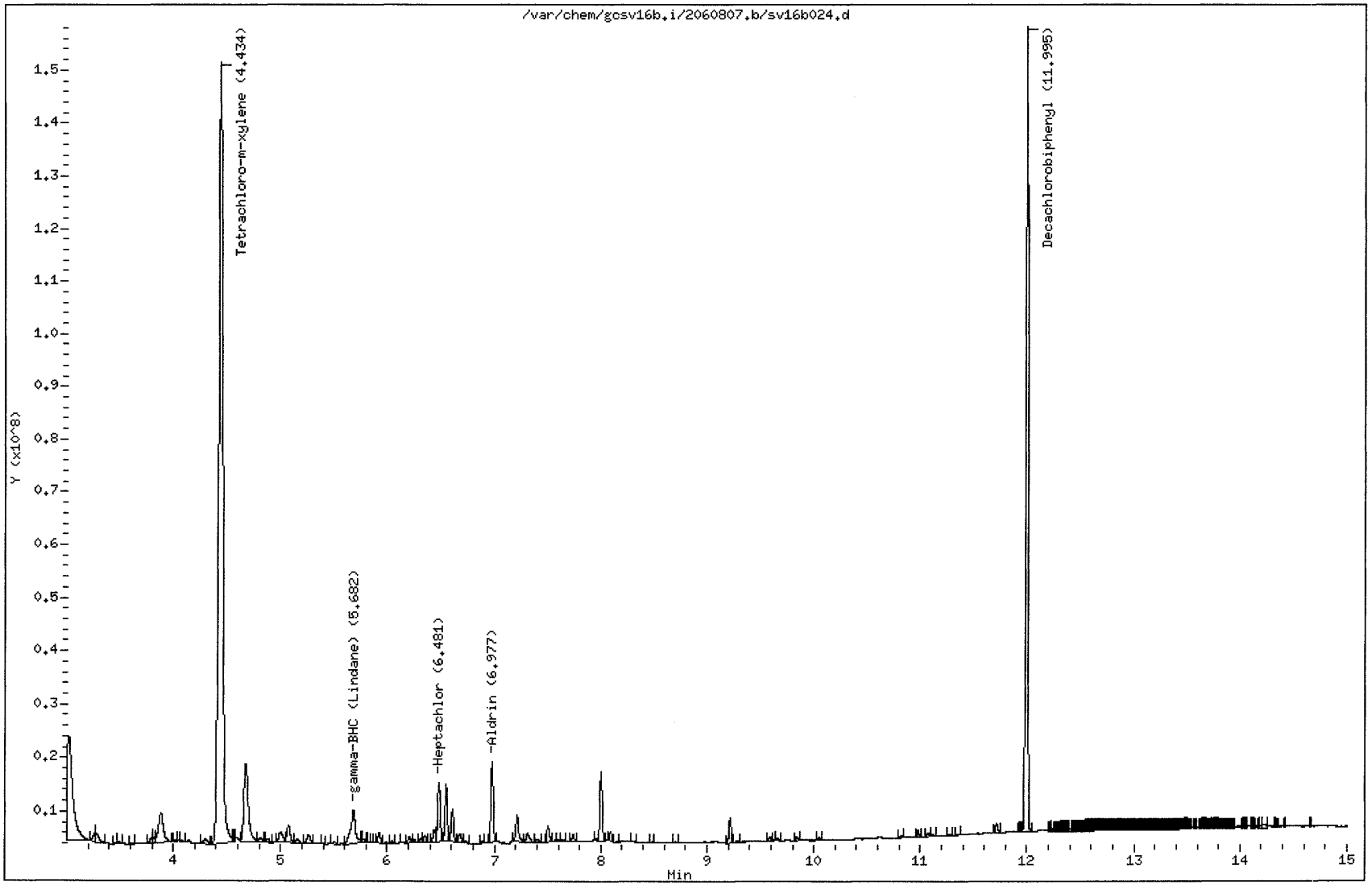
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	4.434	4.445	-0.011	372230165	73.2640	0.37
3 gamma-BHC (Lindane)	5.682	5.693	-0.011	19125088	3.44454	0.017
4 Heptachlor	6.481	6.533	-0.052	18076779	3.09083	0.015
5 Aldrin	6.977	7.005	-0.028	22985700	4.36929	0.022
$ 22 Decachlorobiphenyl	11.995	12.008	-0.013	202659022	57.6160	0.29

167436

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b024.d
Date : 07-AUG-2006 19:07
Client ID:
Sample Info: 20608043109*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

000976



Report Date : 30-Aug-2006 16:29

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16a.i/2060731.b/sv16a018.d
Level 2: /var/chem/gcsv16a.i/2060731.b/sv16a019.d
Level 3: /var/chem/gcsv16a.i/2060731.b/sv16a020.d
Level 4: /var/chem/gcsv16a.i/2060731.b/sv16a021.d
Level 5: /var/chem/gcsv16a.i/2060731.b/sv16a022.d
Level 6: /var/chem/gcsv16a.i/2060731.b/sv16a017.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	5420502	5652317	5907998	5934829	5856441	5294300	5677731	4.758
	3 gamma-BHC (Lindane)	4977402	5062508	5203148	5178373	5124639	+++++	5109214	1.789
	4 Heptachlor	4956580	4927761	5007922	4831724	4733933	+++++	4891584	2.228
	5 Aldrin	4715431	4794830	4895296	4920025	4848966	+++++	4834910	1.698
	6 beta-BHC	2632182	2346217	2271275	2291567	2255304	+++++	2359309	6.627
	7 delta-BHC	4740001	4914094	5068499	5115035	5094508	+++++	4986427	3.185
	8 Heptachlor epoxide	4519558	4342509	4391290	4383034	4318927	+++++	4391064	1.769
	9 Endosulfan I	4047961	4005770	4062794	4036225	3996608	+++++	4029872	0.695
	10 gamma-Chlordane	4477382	4370935	4395102	4417545	4348889	+++++	4401971	1.122
	11 alpha-Chlordane	4247441	4142114	4168619	4204660	4138375	+++++	4180242	1.100
	12 4,4'-DDE	4573789	4579240	4623343	4644940	4587643	+++++	4601791	0.671
	13 Dieldrin	4607860	4627109	4696590	4716398	4657691	+++++	4661130	0.978
	14 Endrin	3414734	3421692	3494531	3474686	3491502	+++++	3459429	1.112
	15 4,4'-DDD	3753086	3804117	3897971	3904577	3866261	+++++	3845202	1.692
	16 Endosulfan II	3903714	3864331	3937971	3930796	3896231	+++++	3906609	0.754
	17 4,4'-DDT	3819072	3888612	4032735	3960405	3926318	+++++	3925428	2.030
	18 Endrin aldehyde	3475288	3353055	3383165	3362495	3293287	+++++	3373458	1.957
	19 Methoxychlor	2086956	2073581	2151740	2127332	2126764	+++++	2113275	1.520
	20 Endosulfan sulfate	3100670	3137720	3266912	3265018	3248850	+++++	3203834	2.456
	21 Endrin ketone	3780344	3776648	3923205	3911343	3893759	+++++	3857060	1.879
M	23 AR 1016-AVG	853242	811077	765278	753644	730113	910485	803973	8.492

000977

167438

Report Date : 30-Aug-2006 16:29

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 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	97852	96300	89467	83053	78429	104191	91549	10.599
	25 AR 1016-PEAK2	211069	197612	184625	179836	173310	226760	195535	10.431
	26 AR 1016-PEAK3	402590	385013	366802	368704	360333	427306	385124	6.675
	27 AR 1016-PEAK4	141731	132153	124384	122051	118042	152228	131765	9.927
M	28 AR 1260-AVG	1136284	1099972	1091260	1109652	1074196	1189204	1116761	3.675
	29 AR 1260-PEAK1	148577	138700	129931	129003	126536	162413	139194	10.044
	30 AR 1260-PEAK2	224586	214109	204273	205458	203224	238742	215065	6.579
	31 AR 1260-PEAK3	270843	260429	249280	252564	250211	288119	261908	5.797
	32 AR 1260-PEAK4	492279	486733	507776	522626	494225	499930	500595	2.588
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	99913	+++++	+++++	+++++	99913	0.000
	38 AR 1221-PEAK1	+++++	+++++	33460	+++++	+++++	+++++	33460	0.000
	39 AR 1221-PEAK2	+++++	+++++	11575	+++++	+++++	+++++	11575	0.000
	40 AR 1221-PEAK3	+++++	+++++	30820	+++++	+++++	+++++	30820	0.000
	41 AR 1221-PEAK4	+++++	+++++	24058	+++++	+++++	+++++	24058	0.000
M	42 AR 1232-AVG	+++++	+++++	404968	+++++	+++++	+++++	404968	0.000
	43 AR 1232-PEAK1	+++++	+++++	108492	+++++	+++++	+++++	108492	0.000
	44 AR 1232-PEAK2	+++++	+++++	88075	+++++	+++++	+++++	88075	0.000
	45 AR 1232-PEAK3	+++++	+++++	148748	+++++	+++++	+++++	148748	0.000
	46 AR 1232-PEAK4	+++++	+++++	59654	+++++	+++++	+++++	59654	0.000
M	47 AR 1242-AVG	+++++	+++++	630055	+++++	+++++	+++++	630055	0.000
	48 AR 1242-PEAK1	+++++	+++++	144159	+++++	+++++	+++++	144159	0.000
	49 AR 1242-PEAK2	+++++	+++++	284067	+++++	+++++	+++++	284067	0.000
	50 AR 1242-PEAK3	+++++	+++++	96351	+++++	+++++	+++++	96351	0.000
	51 AR 1242-PEAK4	+++++	+++++	105477	+++++	+++++	+++++	105477	0.000
M	52 AR 1248-AVG	+++++	+++++	679119	+++++	+++++	+++++	679119	0.000

000978

167439

Report Date : 30-Aug-2006 16:29

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 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	+++++	+++++	185831	+++++	+++++	+++++	185831	0.000
	54 AR 1248-PEAK2	+++++	+++++	153466	+++++	+++++	+++++	153466	0.000
	55 AR 1248-PEAK3	+++++	+++++	197089	+++++	+++++	+++++	197089	0.000
	56 AR 1248-PEAK4	+++++	+++++	142733	+++++	+++++	+++++	142733	0.000
M	57 AR 1254-AVG	+++++	+++++	548173	+++++	+++++	+++++	548173	0.000
	58 AR 1254-PEAK1	+++++	+++++	71243	+++++	+++++	+++++	71243	0.000
	59 AR 1254-PEAK2	+++++	+++++	63098	+++++	+++++	+++++	63098	0.000
	60 AR 1254-PEAK3	+++++	+++++	132737	+++++	+++++	+++++	132737	0.000
	61 AR 1254-PEAK4	+++++	+++++	281095	+++++	+++++	+++++	281095	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	565282	+++++	565282	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	144257	+++++	144257	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	170928	+++++	170928	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	124000	+++++	124000	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	126096	+++++	126096	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1339440	+++++	1339440	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	186593	+++++	186593	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	240676	+++++	240676	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	482879	+++++	482879	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	429292	+++++	429292	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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

000979

167440

Report Date : 30-Aug-2006 16:29

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	4957748	4533954	4460238	4538520	4373897	+++++	4572872	4.928
$ 22 Decachlorobiphenyl	3952334	3460390	3371087	3342110	3314844	+++++	3488153	7.603

167441

Report Date : 30-Aug-2006 16:29

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 3.97996
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

000981

167442

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:

$$\frac{4466035 + 3196721}{4466035 + 3196721 + 297472780} \times 100 = 2.5\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

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

Endrin Breakdown Calculation:

$$\frac{14645055 + 19073435}{14645055 + 19073435 + 265821588} \times 100 = 11.3\ \%$$

Endrin Breakdown Criteria: < 15%

000982

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a001.d
Report Date: 01-Aug-2006 09:07

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a001.d
Lab Smp Id: deg
Inj Date : 31-JUL-2006 16:10
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 01-Aug-2006 08:17 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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)

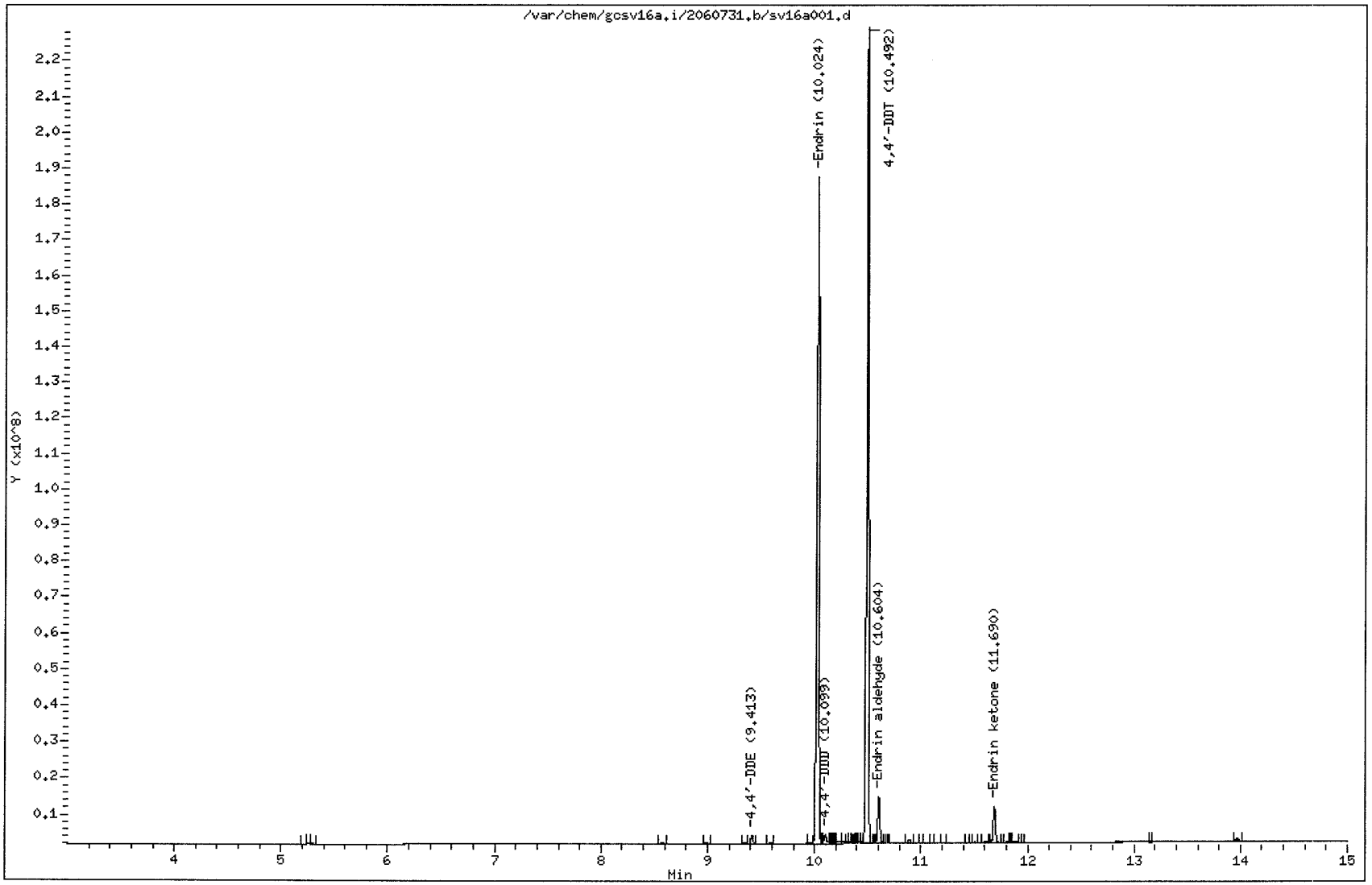
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.413	9.405	0.008	3196721	0.69467	0.0069
15 4,4'-DDD	10.099	10.091	0.008	4466035	1.16146	0.012
17 4,4'-DDT	10.492	10.485	0.007	297472780	75.7810	0.76
18 Endrin aldehyde	10.604	10.597	0.007	19073435	5.65397	0.057
21 Endrin ketone	11.690	11.682	0.008	14645055	3.79695	0.038
14 Endrin	10.024	10.018	0.006	265821588	76.8397	0.77

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a001.d
Date : 31-JUL-2006 16:10
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

000984



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a002.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a002.d
Lab Smp Id: 1206
Inj Date : 31-JUL-2006 16:28
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1206*1 2.5
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:08 Cal File: sv16a017.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

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

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

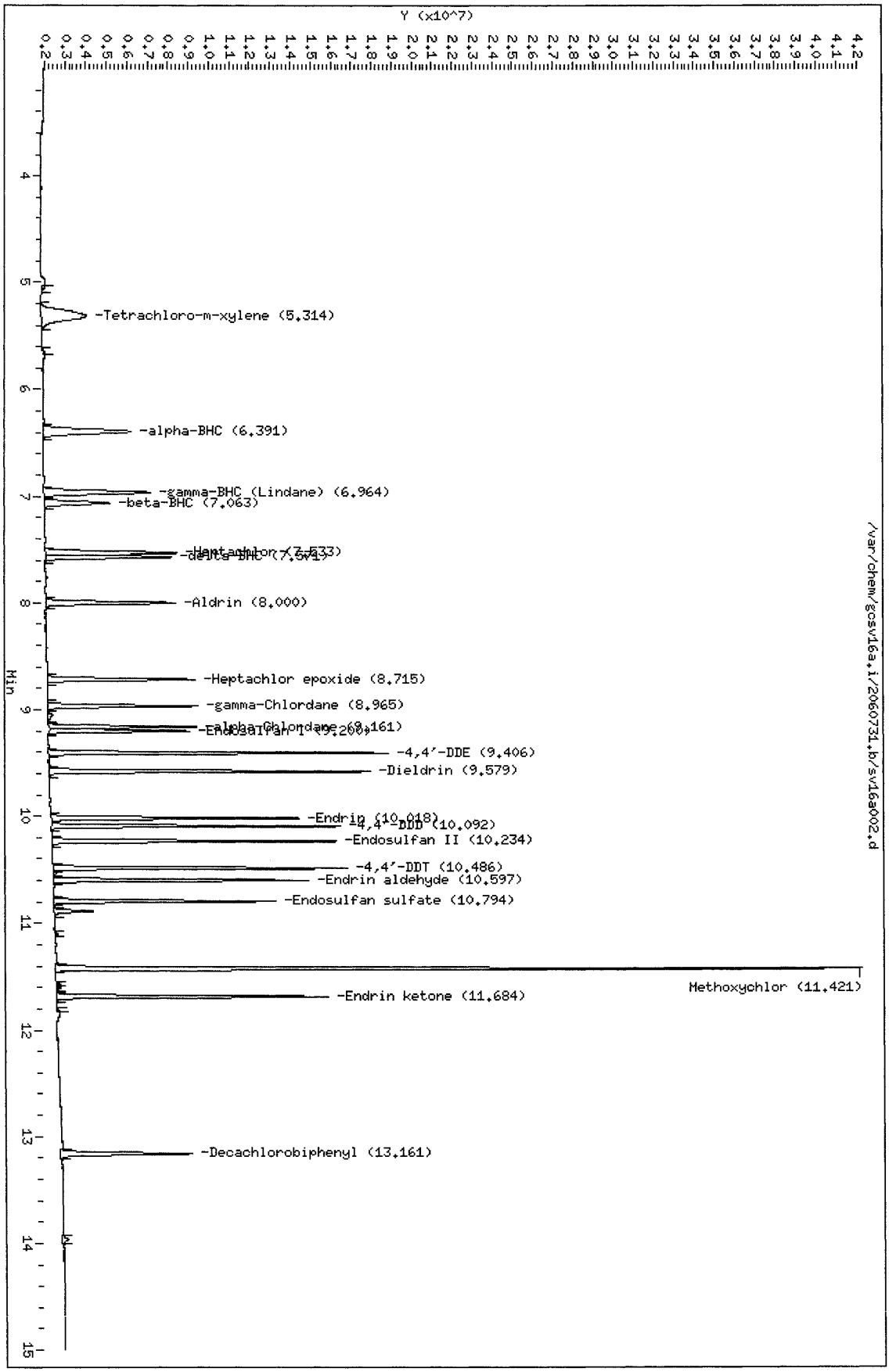
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.314	5.310	0.004	13244609	2.50000	2.9
2	alpha-BHC	6.391	6.386	0.005	13235751	2.50000	2.3
3	gamma-BHC (Lindane)	6.964	6.961	0.003	12305714	2.50000	2.4
6	beta-BHC	7.063	7.061	0.002	7044340	2.50000	3.0
4	Heptachlor	7.533	7.531	0.002	12781746	2.50000	2.6
7	delta-BHC	7.571	7.570	0.001	11168760	2.50000	2.2
5	Aldrin	8.000	8.000	0.000	11689187	2.50000	2.4
8	Heptachlor epoxide	8.715	8.714	0.001	11528099	2.50000	2.6
10	gamma-Chlordane	8.965	8.964	0.001	11400674	2.50000	2.6
11	alpha-Chlordane	9.161	9.160	0.001	10890543	2.50000	2.6
9	Endosulfan I	9.200	9.200	0.000	10140234	2.50000	2.5
12	4,4'-DDE	9.406	9.405	0.001	22509129	5.00000	4.9
13	Dieldrin	9.579	9.579	0.000	22680067	5.00000	4.9
14	Endrin	10.018	10.018	0.000	17107620	5.00000	4.9

167446

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a002.d
Report Date: 15-Aug-2006 11:24

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15	4,4'-DDD	10.092	10.091	0.001	18471048	5.00000	4.8
16	Endosulfan II	10.234	10.232	0.002	19644917	5.00000	5.0
17	4,4'-DDT	10.486	10.485	0.001	19272739	5.00000	4.9
18	Endrin aldehyde	10.597	10.597	0.000	17620694	5.00000	5.2
20	Endosulfan sulfate	10.794	10.792	0.002	15245895	5.00000	4.8
19	Methoxychlor	11.421	11.421	0.000	52212497	25.0000	25
21	Endrin ketone	11.684	11.682	0.002	18668251	5.00000	4.8
$ 22	Decachlorobiphenyl	13.161	13.160	0.001	10974520	2.50000	3.1



Data File: /var/chem/gcsv16a.i/20060731.b/sv16a002.d
Date : 31-JUL-2006 16:28
Client ID:
Sample Info: 1206x1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

000987

167448

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a003.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a003.d
Lab Smp Id: 1201
Inj Date : 31-JUL-2006 16:47
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 5
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.311	5.310	0.001	24788742	5.00000	5.4
2	alpha-BHC	6.387	6.386	0.001	27102512	5.00000	4.8
3	gamma-BHC (Lindane)	6.961	6.961	0.000	24887010	5.00000	4.9
6	beta-BHC	7.061	7.061	0.000	13160909	5.00000	5.6
4	Heptachlor	7.531	7.531	0.000	24782901	5.00000	5.1
7	delta-BHC	7.570	7.570	0.000	23700007	5.00000	4.8
5	Aldrin	7.999	8.000	-0.001	23577153	5.00000	4.9
8	Heptachlor epoxide	8.714	8.714	0.000	22597791	5.00000	5.1
10	gamma-Chlordane	8.964	8.964	0.000	22386912	5.00000	5.1
11	alpha-Chlordane	9.159	9.160	-0.001	21237204	5.00000	5.1
9	Endosulfan I	9.199	9.200	-0.001	20239804	5.00000	5.0
12	4,4'-DDE	9.404	9.405	-0.001	45737890	10.0000	9.9
13	Dieldrin	9.577	9.579	-0.002	46078599	10.0000	9.9
14	Endrin	10.016	10.018	-0.002	34147342	10.0000	9.9

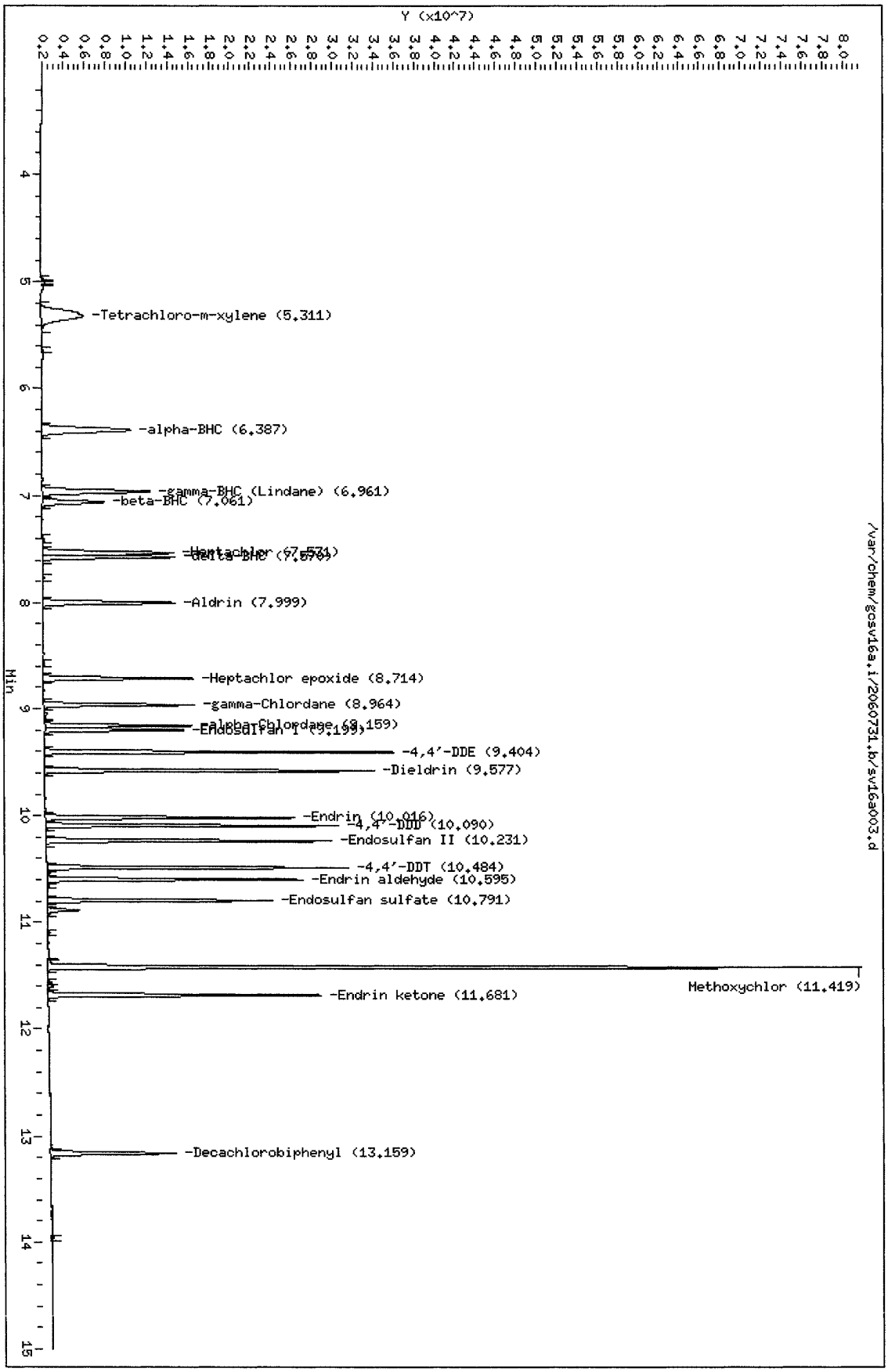
167449

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a003.d
Report Date: 15-Aug-2006 11:24

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	10.090	10.091	-0.001	37530855	10.0000	9.8
	16 Endosulfan II	10.231	10.232	-0.001	39037135	10.0000	10
	17 4,4'-DDT	10.484	10.485	-0.001	38190717	10.0000	9.7
	18 Endrin aldehyde	10.595	10.597	-0.002	34752880	10.0000	10
	20 Endosulfan sulfate	10.791	10.792	-0.001	31006698	10.0000	9.7
	19 Methoxychlor	11.419	11.421	-0.002	104347787	50.0000	49
	21 Endrin ketone	11.681	11.682	-0.001	37803437	10.0000	9.8
$	22 Decachlorobiphenyl	13.159	13.160	-0.001	19761672	5.00000	5.7

000989

167450



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167451

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a004.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a004.d
Lab Smp Id: 1202
Inj Date : 31-JUL-2006 17:05
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1202*1 20
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:45 Cal File: sv16a019.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.315	5.310	0.005	90679083	20.0000	20 (M)
2	alpha-BHC	6.389	6.386	0.003	113046332	20.0000	20 (M)
3	gamma-BHC (Lindane)	6.962	6.961	0.001	101250155	20.0000	20
6	beta-BHC	7.060	7.061	-0.001	46924338	20.0000	20
4	Heptachlor	7.530	7.531	-0.001	98555227	20.0000	20
7	delta-BHC	7.570	7.570	0.000	98281878	20.0000	20
5	Aldrin	8.000	8.000	0.000	95896594	20.0000	20
8	Heptachlor epoxide	8.715	8.714	0.001	86850182	20.0000	20 (M)
10	gamma-Chlordane	8.965	8.964	0.001	87418697	20.0000	20
11	alpha-Chlordane	9.160	9.160	0.000	82842284	20.0000	20
9	Endosulfan I	9.199	9.200	-0.001	80115394	20.0000	20
12	4,4'-DDE	9.405	9.405	0.000	183169596	40.0000	40
13	Dieldrin	9.578	9.579	-0.001	185084373	40.0000	40
14	Endrin	10.016	10.018	-0.002	136867700	40.0000	40

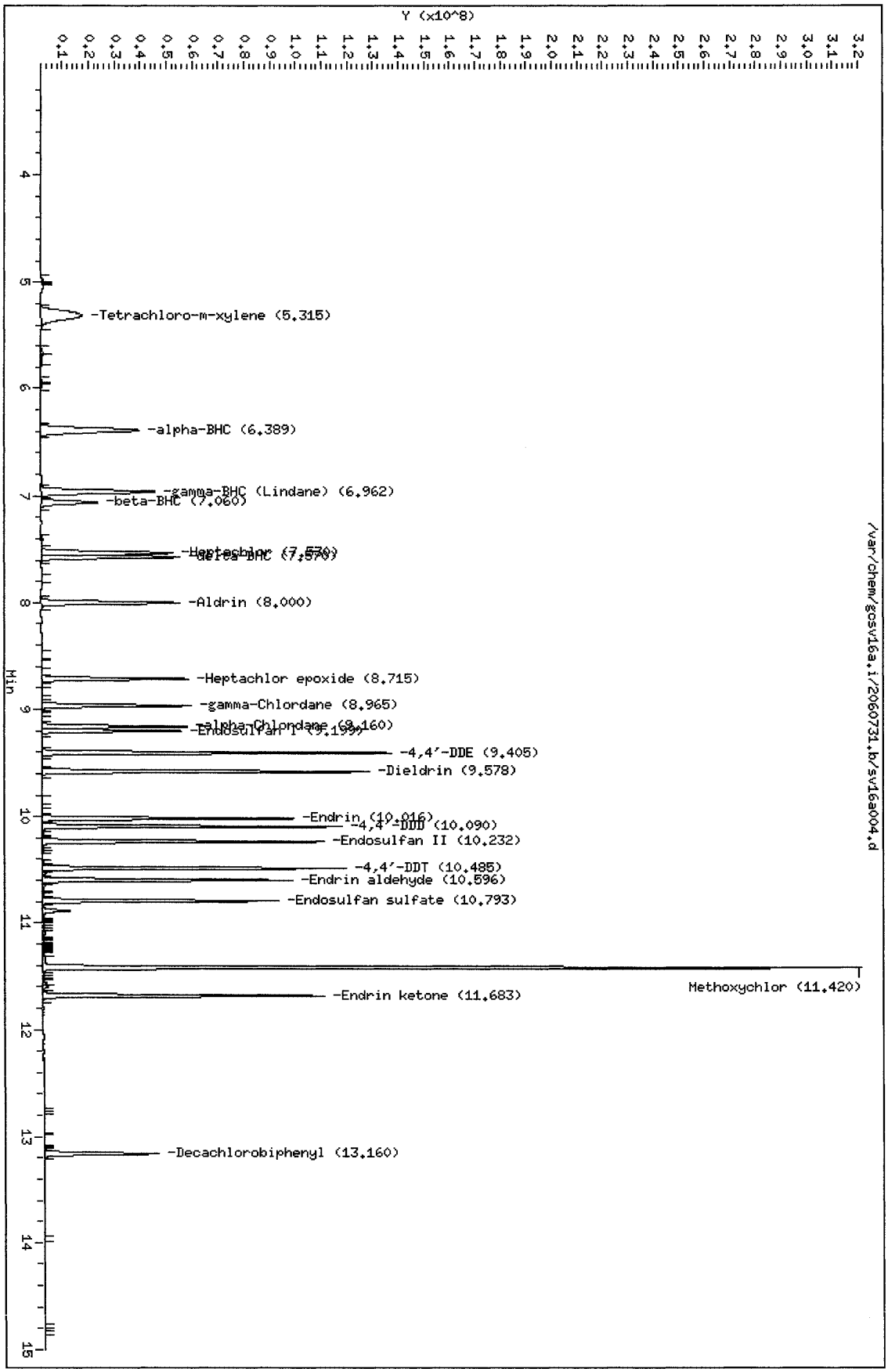
167452

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a004.d
Report Date: 15-Aug-2006 11:24

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	10.090	10.091	-0.001	152164663	40.0000	40
	16 Endosulfan II	10.232	10.232	0.000	154573227	40.0000	40
	17 4,4'-DDT	10.485	10.485	0.000	155544475	40.0000	40
	18 Endrin aldehyde	10.596	10.597	-0.001	134122207	40.0000	40
	20 Endosulfan sulfate	10.793	10.792	0.001	125508812	40.0000	39
	19 Methoxychlor	11.420	11.421	-0.001	414716242	200.000	200
	21 Endrin ketone	11.683	11.682	0.001	151065932	40.0000	39
$	22 Decachlorobiphenyl	13.160	13.160	0.000	69207806	20.0000	20

QC Flag Legend

M - Compound response manually integrated.



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167454

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a005.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a005.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 17:24
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 60
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	5.310	5.310	0.000	267614286	60.0000	59(M)
2 alpha-BHC	6.388	6.386	0.002	354479886	60.0000	62
3 gamma-BHC (Lindane)	6.962	6.961	0.001	312188857	60.0000	61
6 beta-BHC	7.062	7.061	0.001	136276504	60.0000	58
4 Heptachlor	7.532	7.531	0.001	300475326	60.0000	61
7 delta-BHC	7.570	7.570	0.000	304109945	60.0000	61
5 Aldrin	8.000	8.000	0.000	293717758	60.0000	61
8 Heptachlor epoxide	8.715	8.714	0.001	263477384	60.0000	60
10 gamma-Chlordane	8.965	8.964	0.001	263706132	60.0000	60
11 alpha-Chlordane	9.160	9.160	0.000	250117146	60.0000	60
9 Endosulfan I	9.200	9.200	0.000	243767635	60.0000	60
12 4,4'-DDE	9.405	9.405	0.000	554801136	120.000	120
13 Dieldrin	9.579	9.579	0.000	563590845	120.000	120
14 Endrin	10.016	10.018	-0.002	419343711	120.000	120

000994

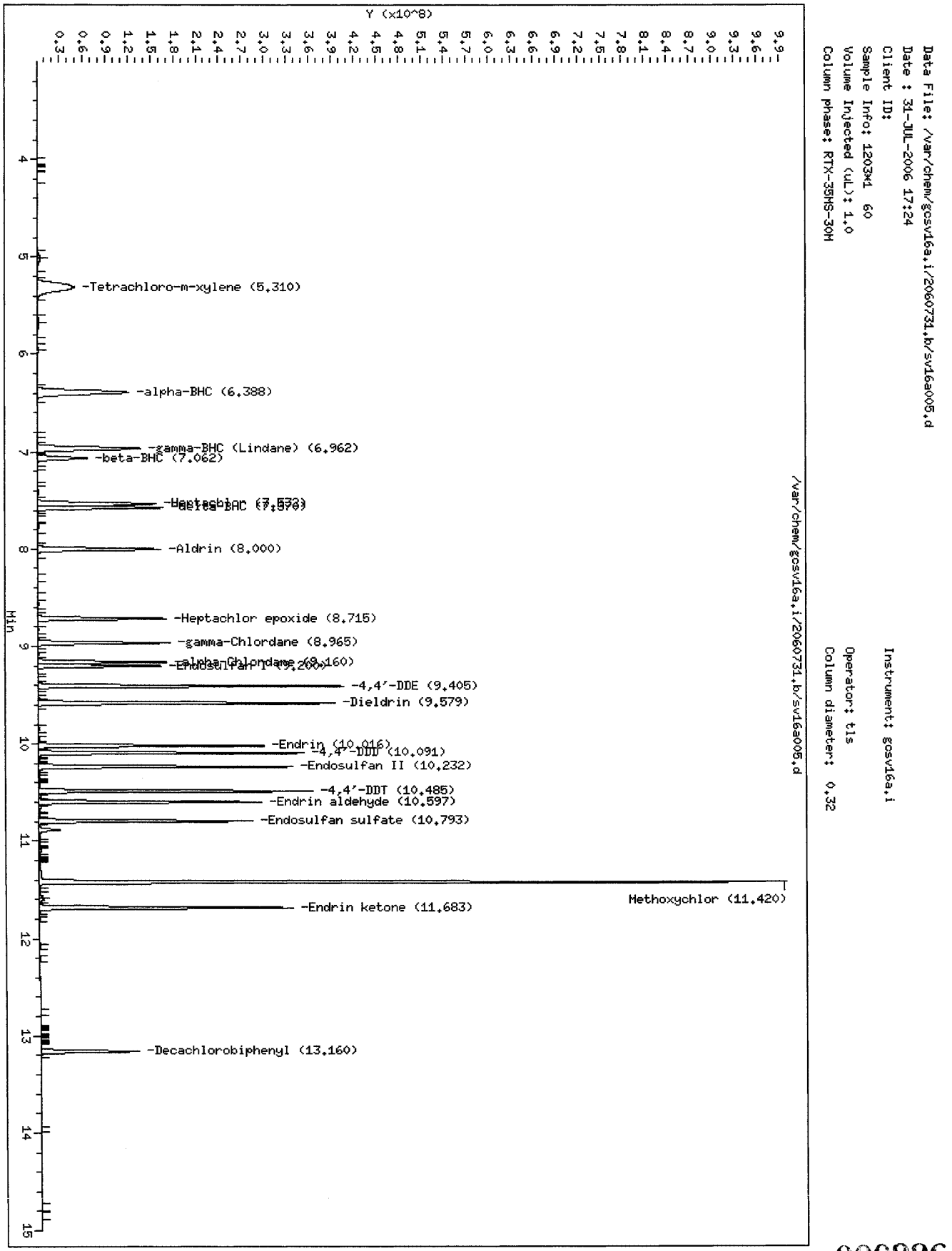
167455

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a005.d
Report Date: 15-Aug-2006 11:24

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	10.091	10.091	0.000	467756487	120.000	120
	16 Endosulfan II	10.232	10.232	0.000	472556508	120.000	120
	17 4,4'-DDT	10.485	10.485	0.000	483928196	120.000	120
	18 Endrin aldehyde	10.597	10.597	0.000	405979856	120.000	120
	20 Endosulfan sulfate	10.793	10.792	0.001	392029383	120.000	120
	19 Methoxychlor	11.420	11.421	-0.001	1291044232	600.000	610
	21 Endrin ketone	11.683	11.682	0.001	470784654	120.000	120
$	22 Decachlorobiphenyl	13.160	13.160	0.000	202265221	60.0000	58

QC Flag Legend

M - Compound response manually integrated.



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167457

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a006.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a006.d
Lab Smp Id: 1204
Inj Date : 31-JUL-2006 17:43
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1204*1 80
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:23 Cal File: sv16a021.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	5.312	5.310	0.002	363081580	80.0000	79(M)
2	alpha-BHC	6.384	6.386	-0.002	474786332	80.0000	84
3	gamma-BHC (Lindane)	6.961	6.961	0.000	414269805	80.0000	81
6	beta-BHC	7.060	7.061	-0.001	183325321	80.0000	78
4	Heptachlor	7.531	7.531	0.000	386537920	80.0000	79
7	delta-BHC	7.569	7.570	-0.001	409202794	80.0000	82
5	Aldrin	7.999	8.000	-0.001	393602016	80.0000	81
8	Heptachlor epoxide	8.715	8.714	0.001	350642757	80.0000	80
10	gamma-Chlordane	8.965	8.964	0.001	353403600	80.0000	80
11	alpha-Chlordane	9.160	9.160	0.000	336372833	80.0000	80
9	Endosulfan I	9.200	9.200	0.000	322897991	80.0000	80
12	4,4'-DDE	9.405	9.405	0.000	743190441	160.000	160
13	Dieldrin	9.579	9.579	0.000	754623656	160.000	160
14	Endrin	10.017	10.018	-0.001	555949821	160.000	160

000997

167458

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a006.d
Report Date: 15-Aug-2006 11:24

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	15 4,4'-DDD	10.091	10.091	0.000	624732338	160.000	160
	16 Endosulfan II	10.232	10.232	0.000	628927438	160.000	160
	17 4,4'-DDT	10.485	10.485	0.000	633664833	160.000	160
	18 Endrin aldehyde	10.597	10.597	0.000	537999187	160.000	160
	20 Endosulfan sulfate	10.793	10.792	0.001	522402953	160.000	160
	19 Methoxychlor	11.421	11.421	0.000	1701865779	800.000	810
	21 Endrin ketone	11.683	11.682	0.001	625814885	160.000	160
$	22 Decachlorobiphenyl	13.160	13.160	0.000	267368823	80.0000	77

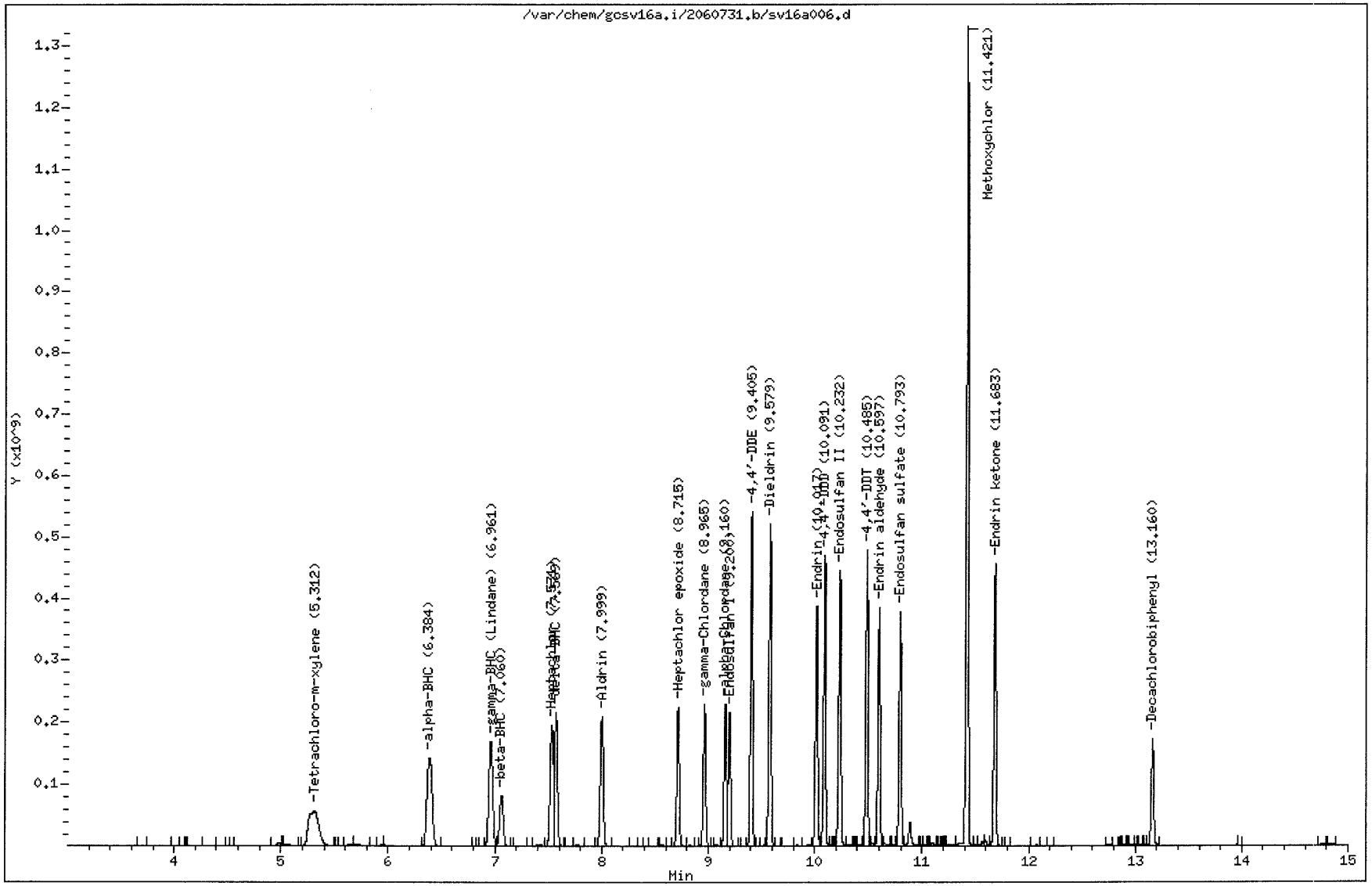
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a006.d
Date : 31-JUL-2006 17:43
Client ID:
Sample Info: 1204*1 80
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a007.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a007.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 18:02
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 65-31-2
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:41 Cal File: sv16a022.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.305	5.310	-0.005	437389710	100.000	96(M)
2	alpha-BHC	6.380	6.386	-0.006	585644124	100.000	100(AM)
3	gamma-BHC (Lindane)	6.958	6.961	-0.003	512463913	100.000	100(A)
6	beta-BHC	7.058	7.061	-0.003	225530362	100.000	96
4	Heptachlor	7.529	7.531	-0.002	473393319	100.000	97
7	delta-BHC	7.568	7.570	-0.002	509450786	100.000	100(A)
5	Aldrin	7.997	8.000	-0.003	484896612	100.000	100(A)
8	Heptachlor epoxide	8.713	8.714	-0.001	431892739	100.000	98
10	gamma-Chlordane	8.964	8.964	0.000	434888872	100.000	99
11	alpha-Chlordane	9.160	9.160	0.000	413837459	100.000	99
9	Endosulfan I	9.199	9.200	-0.001	399660837	100.000	99
12	4,4'-DDE	9.405	9.405	0.000	917528678	200.000	200
13	Dieldrin	9.578	9.579	-0.001	931538232	200.000	200
14	Endrin	10.017	10.018	-0.001	698300484	200.000	200(A)

001000

167461

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a007.d
Report Date: 15-Aug-2006 11:24

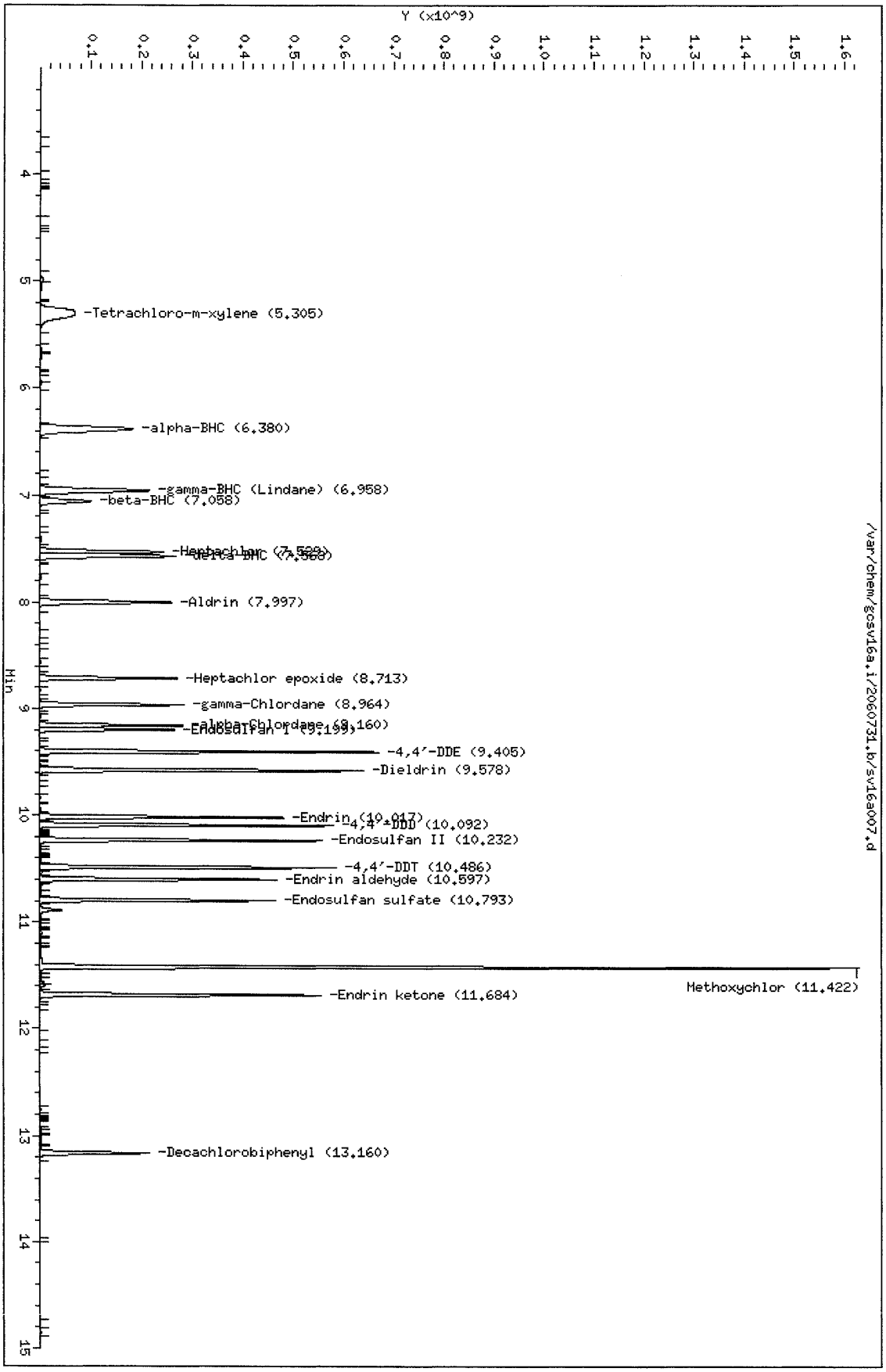
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15	4,4'-DDD	10.092	10.091	0.001	773252277	200.000	200 (A)
16	Endosulfan II	10.232	10.232	0.000	779246281	200.000	200
17	4,4'-DDT	10.486	10.485	0.001	785263620	200.000	200 (A)
18	Endrin aldehyde	10.597	10.597	0.000	658657314	200.000	200
20	Endosulfan sulfate	10.793	10.792	0.001	649769988	200.000	200 (A)
19	Methoxychlor	11.422	11.421	0.001	2126764133	1000.00	1000 (A)
21	Endrin ketone	11.684	11.682	0.002	778751840	200.000	200 (A)
$ 22	Decachlorobiphenyl	13.160	13.160	0.000	331484370	100.000	95

QC Flag Legend

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

001001

167462


Data File: /var/chem/gcsv16a.i/20060731.b/sv16a007.d
Date : 31-JUL-2006 18:02
Client ID:
Sample Info: 1205x1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
/var/chem/gcsv16a.i/20060731.b/sv16a007.d
Y (x10^9)
Min
-Tetrachloro-m-xylene (5.305)
-alpha-BHC (6.380)
-gamma-BHC (Lindane) (6.958)
-beta-BHC (7.058)
-Heptachlor (7.529)
-delta-BHC (7.588)
-Aldrin (7.997)
-Heptachlor epoxide (8.713)
-gamma-Chlordane (8.964)
-alpha-Chlordane (9.160)
-Endosulfan I (9.199)
-4,4'-DDE (9.405)
-Dieldrin (9.578)
-Endrin (10.017)
-4,4'-DDD (10.092)
-Endosulfan II (10.232)
-4,4'-DDT (10.486)
-Endrin aldehyde (10.597)
-Endosulfan sulfate (10.793)
Methoxychlor (11.422)
-Endrin ketone (11.684)
-Decachlorobiphenyl (13.160)

001002

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a009.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a009.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 18:39
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 65-14-7
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:41 Cal File: sv16a022.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				535776039	400.000	400
	69 CHLORDANE-PEAK1	7.293	7.292	0.001	74637143	400.000	400
	70 CHLORDANE-PEAK2	7.531	7.530	0.001	96270326	400.000	400
	71 CHLORDANE-PEAK3	8.964	8.963	0.001	193151787	400.000	400
	72 CHLORDANE-PEAK4	9.159	9.159	0.000	171716783	400.000	400

001003

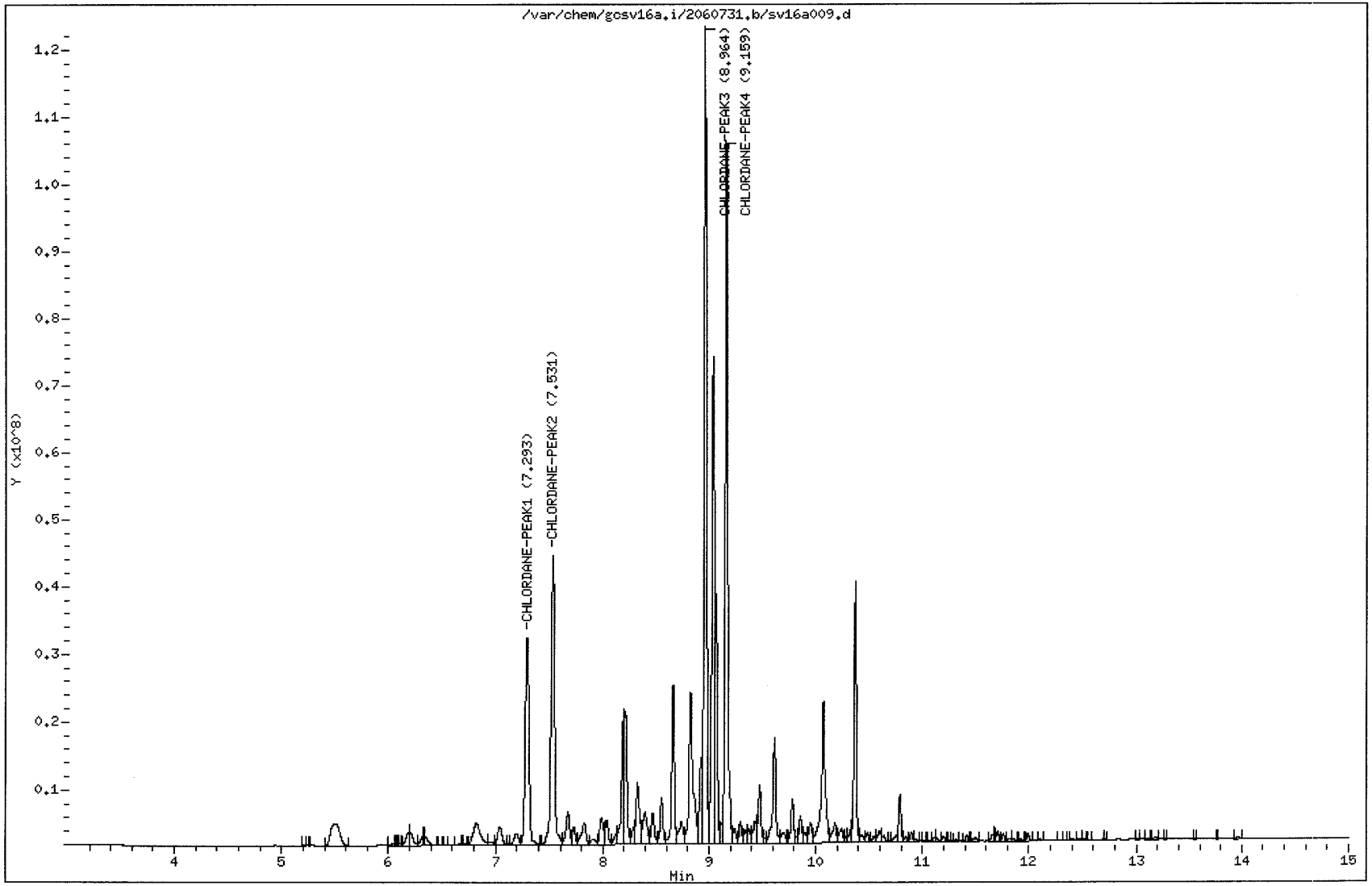
167464

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a009.d
Date : 31-JUL-2006 18:39
Client ID:
Sample Info: 1205x1 65-14-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001004



167465

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a010.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a010.d
Lab Smp Id: 1201
Inj Date : 31-JUL-2006 18:58
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 65-28-4
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	62 TOXAPHENE-AVG				123369367	250.000	220
	63 TOXAPHENE-PEAK1	10.320	10.320	0.000	34134439	250.000	240
	64 TOXAPHENE-PEAK2	10.882	10.881	0.001	37561739	250.000	220
	65 TOXAPHENE-PEAK3	11.789	11.789	0.000	26850566	250.000	220
	66 TOXAPHENE-PEAK4	12.026	12.027	-0.001	24822623	250.000	200

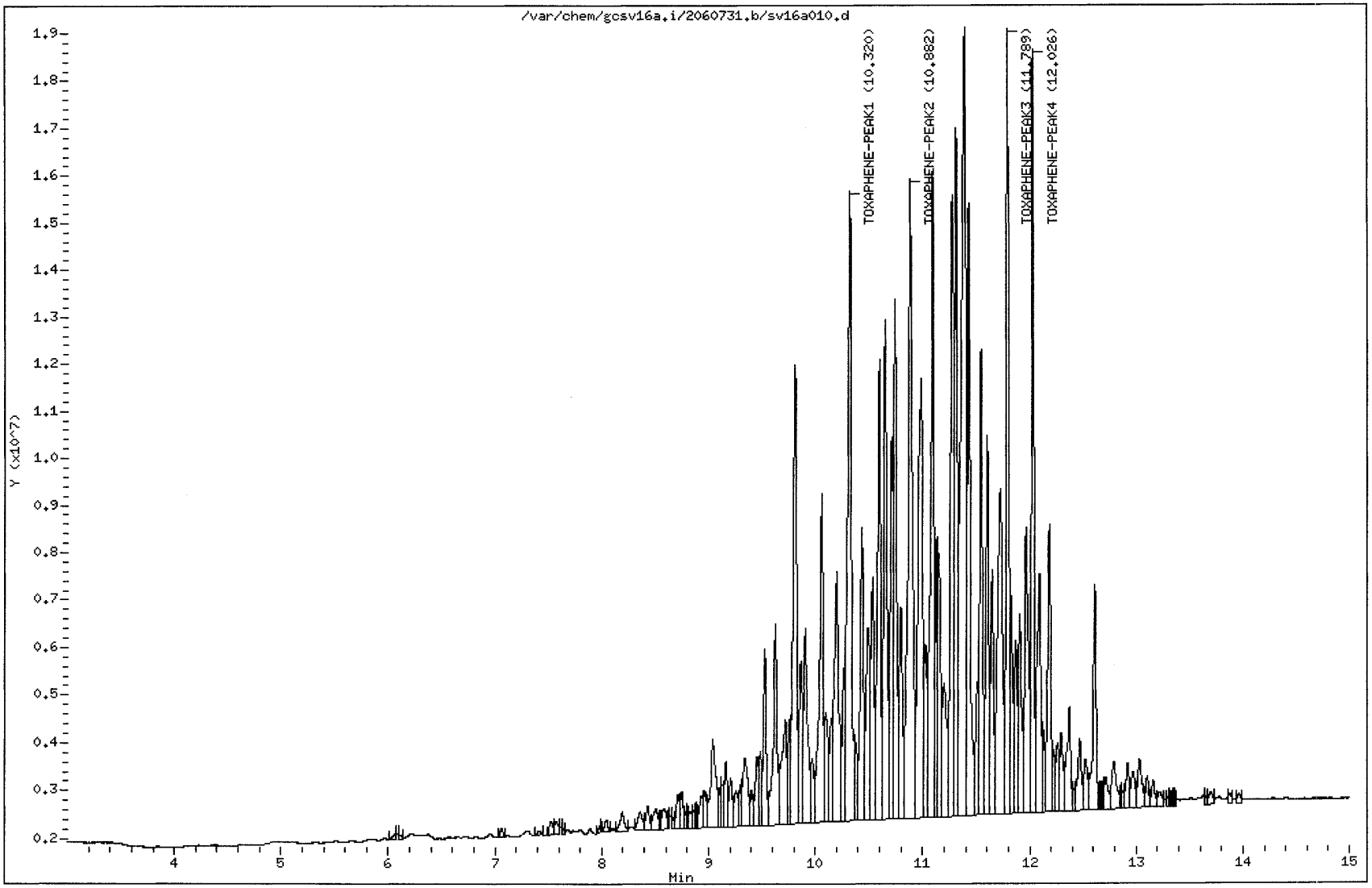
001005

167466

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a010.d
Date : 31-JUL-2006 18:58
Client ID:
Sample Info: 1201*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001006



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a011.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a011.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 19:16
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 65-28-4
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:41 Cal File: sv16a022.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

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 62 TOXAPHENE-AVG				2826408566	5000.00	5000
63 TOXAPHENE-PEAK1	10.319	10.320	-0.001	721287249	5000.00	5000
64 TOXAPHENE-PEAK2	10.881	10.881	0.000	854642043	5000.00	5000
65 TOXAPHENE-PEAK3	11.788	11.789	-0.001	619997532	5000.00	5000
66 TOXAPHENE-PEAK4	12.025	12.027	-0.002	630481742	5000.00	5000

001007

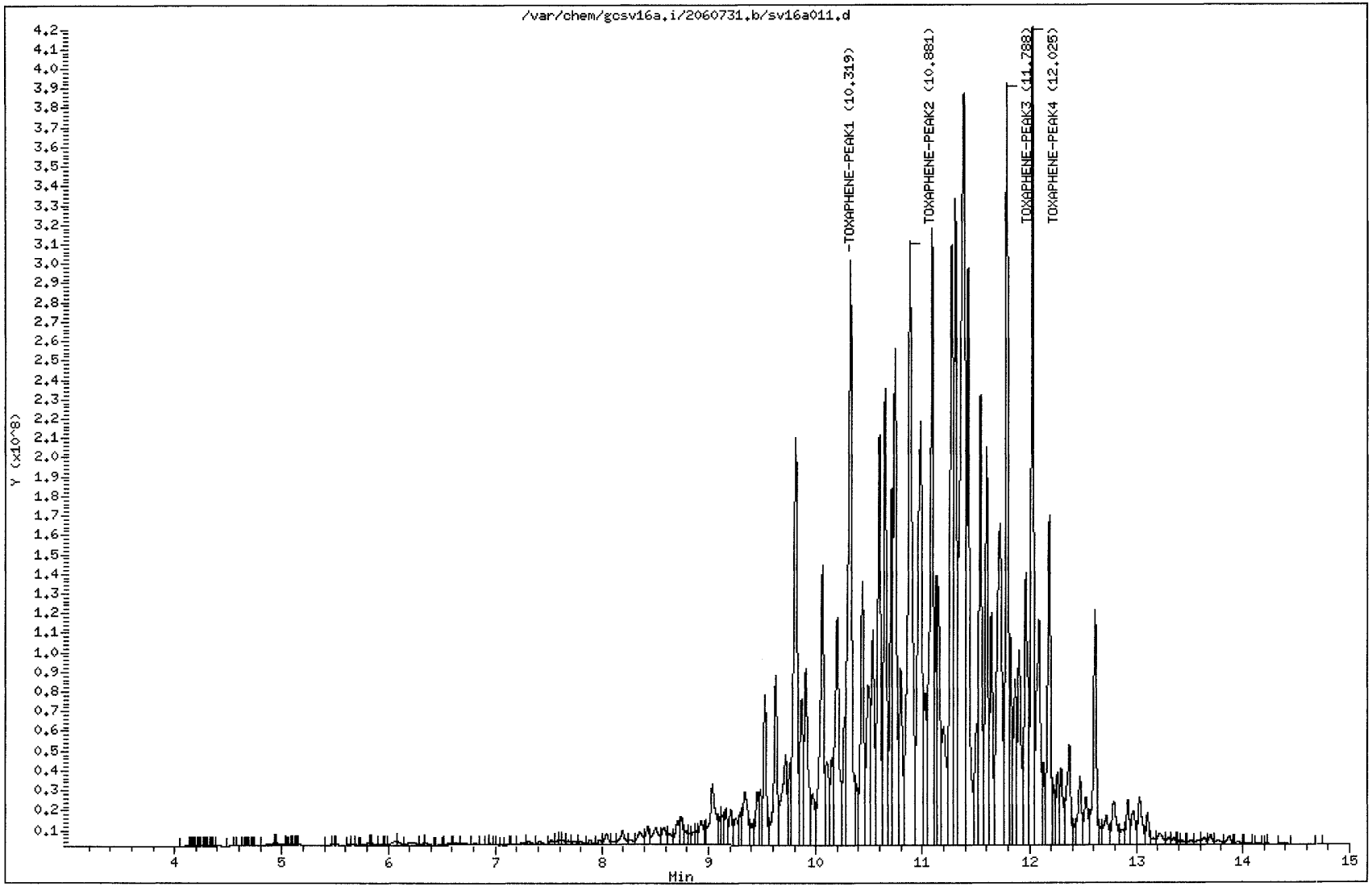
167468

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a011.d
Date : 31-JUL-2006 19:16
Client ID:
Sample Info: 1205x1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001008



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a008.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2060731
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: 8081icv.spk Quant Type: ESTD
Sublist File: 8081.sub
Method File: /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	65	108.57	85-115
3 gamma-BHC (Lindane)	60	63	105.63	85-115
6 beta-BHC	60	61	101.18	85-115
4 Heptachlor	60	60	99.53	85-115
7 delta-BHC	60	64	105.86	85-115
5 Aldrin	60	63	105.26	85-115
8 Heptachlor epoxide	60	62	103.21	85-115
10 gamma-Chlordane	60	61	101.40	85-115
11 alpha-Chlordane	60	62	102.93	85-115
9 Endosulfan I	60	61	102.28	85-115
12 4,4'-DDE	60	61	101.95	85-115
13 Dieldrin	60	62	103.36	85-115
14 Endrin	60	62	103.67	85-115
15 4,4'-DDD	60	62	103.10	85-115
16 Endosulfan II	60	61	101.10	85-115
17 4,4'-DDT	60	59	98.72	85-115
18 Endrin aldehyde	60	56	93.80	85-115
20 Endosulfan sulfate	60	62	103.43	85-115
19 Methoxychlor	60	59	98.60	85-115
21 Endrin ketone	60	62	102.93	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

001009

167470

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a008.d
Report Date: 15-Aug-2006 11:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a008.d
Lab Smp Id: 1600
Inj Date : 31-JUL-2006 18:20
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1600*1 65-21-6
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 07-Aug-2006 10:18 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 18:02 Cal File: sv16a007.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	6.383	6.386	-0.003	369862614	65.1427	65
3 gamma-BHC (Lindane)	6.960	6.961	-0.001	323815392	63.3787	63
6 beta-BHC	7.059	7.061	-0.002	143229320	60.7082	61
4 Heptachlor	7.529	7.531	-0.002	292109313	59.7167	60
7 delta-BHC	7.568	7.570	-0.002	316708793	63.5142	64
5 Aldrin	7.998	8.000	-0.002	305347494	63.1547	63
8 Heptachlor epoxide	8.714	8.714	0.000	271932839	61.9287	62
10 gamma-Chlordane	8.964	8.964	0.000	267803872	60.8373	61
11 alpha-Chlordane	9.160	9.160	0.000	258166487	61.7587	62
9 Endosulfan I	9.199	9.200	-0.001	247295394	61.3656	61
12 4,4'-DDE	9.404	9.405	-0.001	281491314	61.1699	61
13 Dieldrin	9.578	9.579	-0.001	289067935	62.0167	62
14 Endrin	10.017	10.018	-0.001	215192613	62.2047	62
15 4,4'-DDD	10.091	10.091	0.000	237867532	61.8609	62

001010

167471

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a008.d
Report Date: 15-Aug-2006 11:24

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
16 Endosulfan II	10.233	10.232	0.001	236967579	60.6581	61
17 4,4'-DDT	10.485	10.485	0.000	232503539	59.2301	59
18 Endrin aldehyde	10.597	10.597	0.000	189855090	56.2791	56
20 Endosulfan sulfate	10.793	10.792	0.001	198816796	62.0559	62
19 Methoxychlor	11.420	11.421	-0.001	125018987	59.1589	59
21 Endrin ketone	11.683	11.682	0.001	238213440	61.7604	62

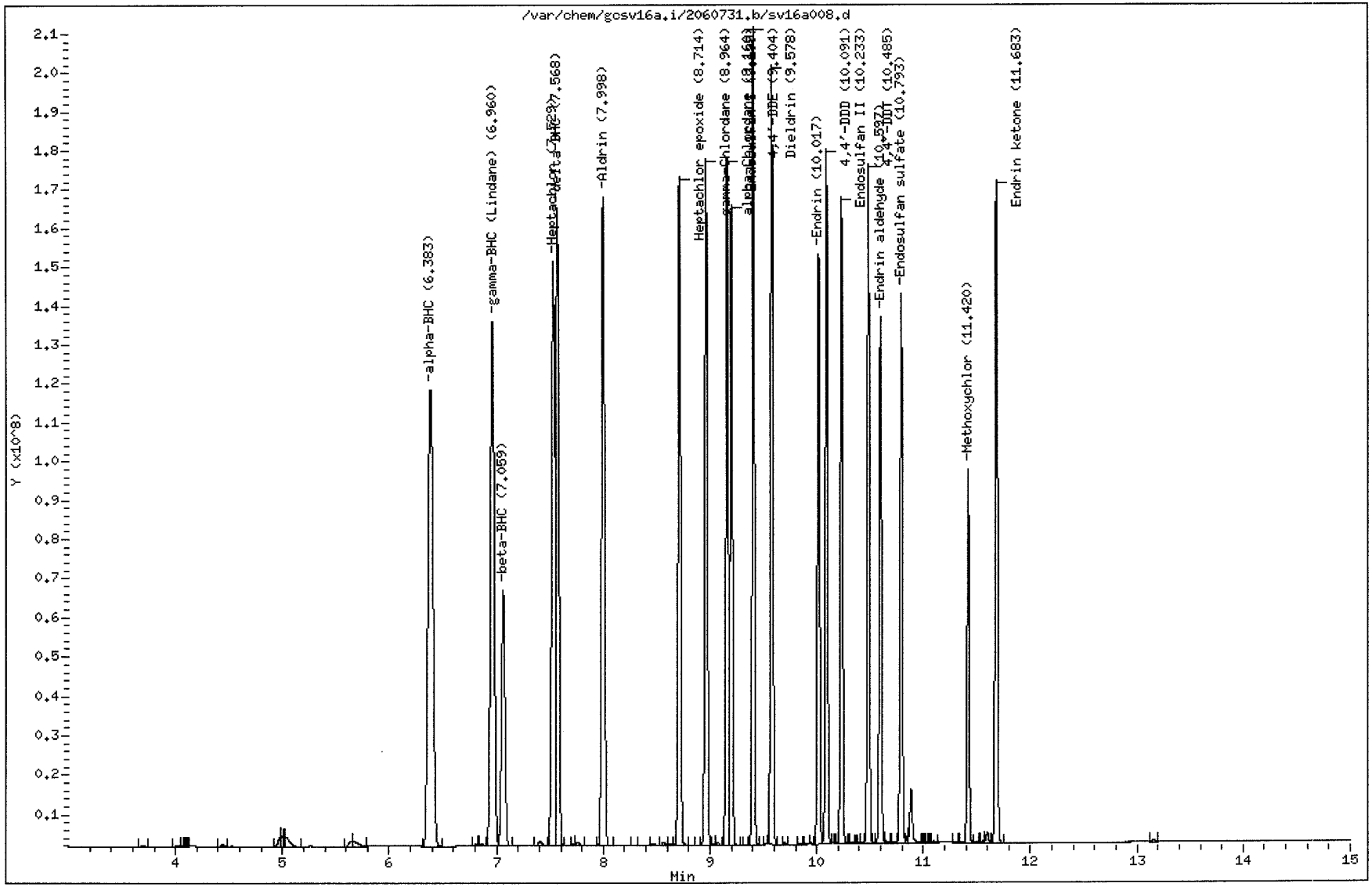
167472

001012

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a008.d
Date : 31-JUL-2006 18:20
Client ID:
Sample Info: 1600x1 65-21-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



167473

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:

$$\frac{2233203 + 3104940}{2233203 + 3104940 + 289950315} \times 100 = 1.8\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

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

Endrin Breakdown Calculation:

$$\frac{5259927 + 6203223}{5259927 + 6203223 + 294003279} \times 100 = 3.8\ \%$$

Endrin Breakdown Criteria: < 15%

001013

167474

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a001.d
Report Date: 09-Aug-2006 09:39

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a001.d
Lab Smp Id: deg
Inj Date : 07-AUG-2006 10:09
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 08-Aug-2006 13:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.391	9.402	-0.011	3104940	0.67472	0.0034
15 4,4'-DDD	10.079	10.088	-0.009	2233203	0.58078	0.0029
17 4,4'-DDT	10.469	10.482	-0.013	289950315	73.8646	0.37
18 Endrin aldehyde	10.582	10.594	-0.012	6203223	1.83883	0.0092
21 Endrin ketone	11.669	11.679	-0.010	5259927	1.36371	0.0068
14 Endrin	10.000	10.015	-0.015	294003279	84.9861	0.42

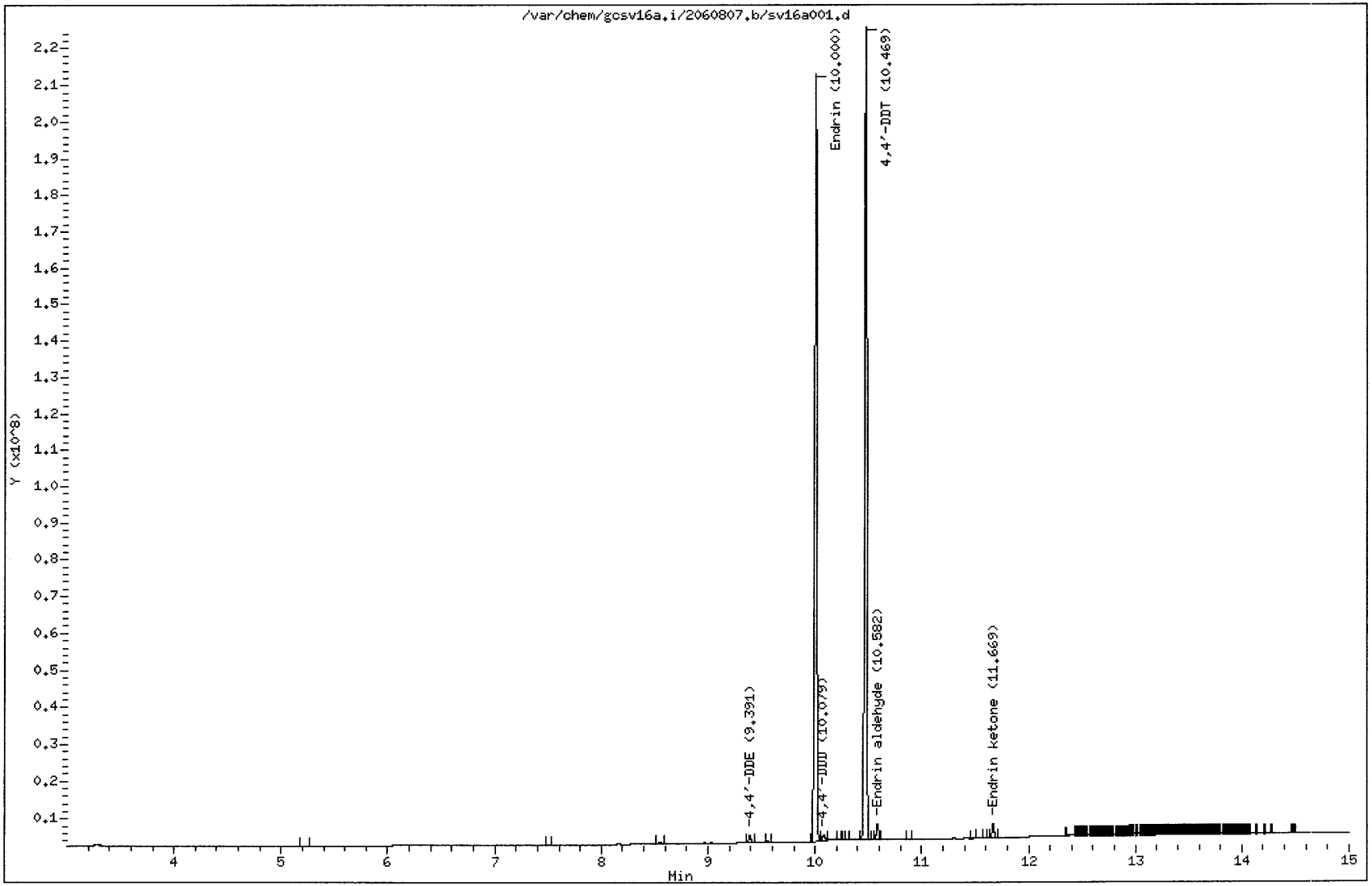
001014

167475

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a001.d
Date : 07-AUG-2006 10:09
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001015



167476

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a002.d
Report Date: 09-Aug-2006 11:35

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-AUG-2006 10:27
Lab File ID: sv16a002.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060807.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	4572872	4391742	0.010	3.96096	15.00000	Averaged
2 alpha-BHC	5677731	5952837	0.010	-4.84535	15.00000	Averaged
3 gamma-BHC (Lindane)	5109214	5145090	0.010	-0.70218	15.00000	Averaged
6 beta-BHC	2359309	2335337	0.010	1.01605	15.00000	Averaged
4 Heptachlor	4891584	4723824	0.010	3.42957	15.00000	Averaged
7 delta-BHC	4986427	4965701	0.010	0.41565	15.00000	Averaged
5 Aldrin	4834910	4687768	0.010	3.04332	15.00000	Averaged
8 Heptachlor epoxide	4391064	4321790	0.010	1.57761	15.00000	Averaged
10 gamma-Chlordane	4401971	4244525	0.010	3.57670	15.00000	Averaged
11 alpha-Chlordane	4180242	3975202	0.010	4.90497	15.00000	Averaged
9 Endosulfan I	4029872	4050740	0.010	-0.51784	15.00000	Averaged
12 4,4'-DDE	4601791	4345457	0.010	5.57031	15.00000	Averaged
13 Dieldrin	4661130	4551117	0.010	2.36022	15.00000	Averaged
14 Endrin	3459429	3717722	0.010	-7.46633	15.00000	Averaged
15 4,4'-DDD	3845202	3639803	0.010	5.34169	15.00000	Averaged
16 Endosulfan II	3906609	3883299	0.010	0.59666	15.00000	Averaged
17 4,4'-DDT	3925428	3673936	0.010	6.40675	15.00000	Averaged
18 Endrin aldehyde	3373458	2994133	0.010	11.24439	15.00000	Averaged
20 Endosulfan sulfate	3203834	3381511	0.010	-5.54578	15.00000	Averaged
19 Methoxychlor	2113275	2072187	0.010	1.94425	15.00000	Averaged
21 Endrin ketone	3857060	4074699	0.010	-5.64261	15.00000	Averaged
$ 22 Decachlorobiphenyl	3488153	3264038	0.010	6.42503	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.93337
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001016

167477

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a002.d
Report Date: 09-Aug-2006 11:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a002.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 10:27
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-31-2
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.257	5.262	-0.005	263504509	60.0000	58
2	alpha-BHC	6.355	6.351	0.004	357170237	60.0000	63
3	gamma-BHC (Lindane)	6.936	6.957	-0.021	308705370	60.0000	60
6	beta-BHC	7.038	7.057	-0.019	140120226	60.0000	59
4	Heptachlor	7.508	7.527	-0.019	283429420	60.0000	58
7	delta-BHC	7.551	7.567	-0.016	297942073	60.0000	60
5	Aldrin	7.978	7.996	-0.018	281266075	60.0000	58
8	Heptachlor epoxide	8.697	8.710	-0.013	259307387	60.0000	59
10	gamma-Chlordane	8.948	8.961	-0.013	254671524	60.0000	58
11	alpha-Chlordane	9.143	9.157	-0.014	238512123	60.0000	57
9	Endosulfan I	9.182	9.197	-0.015	243044401	60.0000	60
12	4,4'-DDE	9.389	9.403	-0.014	521454839	120.000	110
13	Dieldrin	9.562	9.576	-0.014	546134035	120.000	120

001017

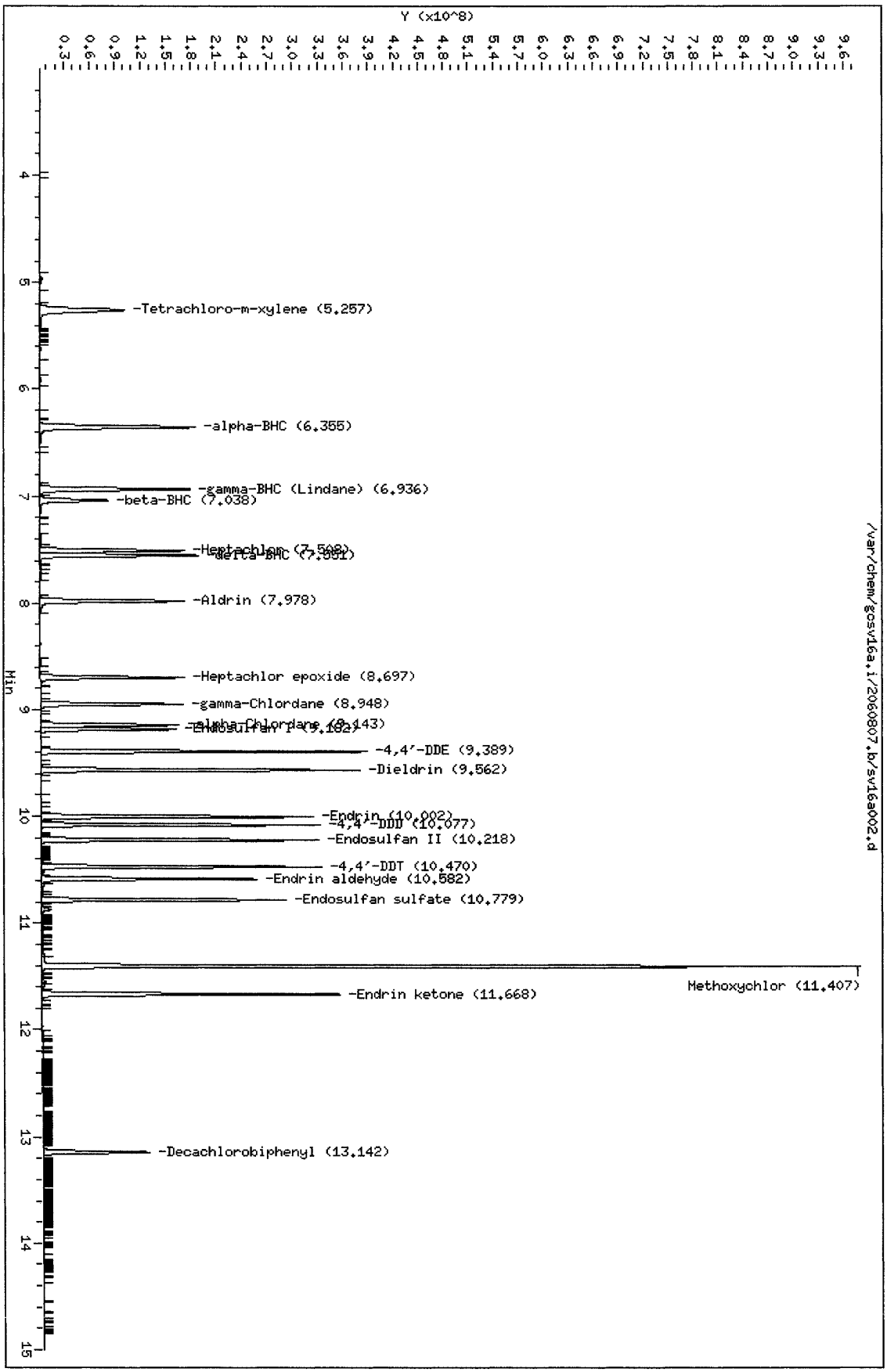
167478

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a002.d
Report Date: 09-Aug-2006 11:35

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	10.002	10.016	-0.014	446126583	120.000	130
	15 4,4'-DDD	10.077	10.088	-0.011	436776409	120.000	110
	16 Endosulfan II	10.218	10.229	-0.011	465995934	120.000	120
	17 4,4'-DDT	10.470	10.482	-0.012	440872341	120.000	110
	18 Endrin aldehyde	10.582	10.595	-0.013	359295984	120.000	110
	20 Endosulfan sulfate	10.779	10.789	-0.010	405781375	120.000	130
	19 Methoxychlor	11.407	11.418	-0.011	1243312405	600.000	590
	21 Endrin ketone	11.668	11.679	-0.011	488963844	120.000	130
$	22 Decachlorobiphenyl	13.142	13.157	-0.015	195842285	60.0000	56

001018

167479



001019

167480

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a014.d
Report Date: 09-Aug-2006 11:36

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-AUG-2006 15:13
Lab File ID: sv16a014.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060807.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	4572872	4243729	0.010	7.19772	15.00000	Averaged	
2 alpha-BHC	5677731	5776480	0.010	-1.73922	15.00000	Averaged	
3 gamma-BHC (Lindane)	5109214	5038540	0.010	1.38326	15.00000	Averaged	
6 beta-BHC	2359309	2307931	0.010	2.17767	15.00000	Averaged	
4 Heptachlor	4891584	4385936	0.010	10.33710	15.00000	Averaged	
7 delta-BHC	4986427	4953933	0.010	0.65166	15.00000	Averaged	
5 Aldrin	4834910	4540385	0.010	6.09161	15.00000	Averaged	
8 Heptachlor epoxide	4391064	4174599	0.010	4.92966	15.00000	Averaged	
10 gamma-Chlordane	4401971	4079241	0.010	7.33147	15.00000	Averaged	
11 alpha-Chlordane	4180242	3816960	0.010	8.69045	15.00000	Averaged	
9 Endosulfan I	4029872	3943716	0.010	2.13791	15.00000	Averaged	
12 4,4'-DDE	4601791	4197225	0.010	8.79149	15.00000	Averaged	
13 Dieldrin	4661130	4433654	0.010	4.88027	15.00000	Averaged	
14 Endrin	3459429	3720235	0.010	-7.53899	15.00000	Averaged	
15 4,4'-DDD	3845202	3596211	0.010	6.47537	15.00000	Averaged	
16 Endosulfan II	3906609	3791615	0.010	2.94356	15.00000	Averaged	
17 4,4'-DDT	3925428	3581993	0.010	8.74899	15.00000	Averaged	
18 Endrin aldehyde	3373458	2969910	0.010	11.96244	15.00000	Averaged	
20 Endosulfan sulfate	3203834	3358307	0.010	-4.82150	15.00000	Averaged	
19 Methoxychlor	2113275	2008930	0.010	4.93760	15.00000	Averaged	
21 Endrin ketone	3857060	4098003	0.010	-6.24681	15.00000	Averaged	
$ 22 Decachlorobiphenyl	3488153	2863612	0.010	17.90464	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 6.26906
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001020

167481

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a014.d
Report Date: 09-Aug-2006 11:36

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a014.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 15:13
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-31-2
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:36 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 14 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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.255	5.262	-0.007	254623737	60.0000	56
2	alpha-BHC	6.354	6.351	0.003	346588786	60.0000	61
3	gamma-BHC (Lindane)	6.934	6.956	-0.022	302312408	60.0000	59
6	beta-BHC	7.037	7.056	-0.019	138475848	60.0000	59
4	Heptachlor	7.507	7.527	-0.020	263156185	60.0000	54
7	delta-BHC	7.550	7.566	-0.016	297235958	60.0000	60
5	Aldrin	7.978	7.996	-0.018	272423128	60.0000	56
8	Heptachlor epoxide	8.696	8.710	-0.014	250475956	60.0000	57
10	gamma-Chlordane	8.948	8.961	-0.013	244754484	60.0000	56
11	alpha-Chlordane	9.143	9.157	-0.014	229017597	60.0000	55
9	Endosulfan I	9.182	9.197	-0.015	236622979	60.0000	59
12	4,4'-DDE	9.389	9.403	-0.014	503666990	120.000	110
13	Dieldrin	9.562	9.576	-0.014	532038482	120.000	110

001021

167482

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a014.d
Report Date: 09-Aug-2006 11:36

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	10.000	10.015	-0.015	446428218	120.000	130
	15 4,4'-DDD	10.076	10.088	-0.012	431545354	120.000	110
	16 Endosulfan II	10.218	10.229	-0.011	454993842	120.000	120
	17 4,4'-DDT	10.470	10.482	-0.012	429839160	120.000	110
	18 Endrin aldehyde	10.581	10.595	-0.014	356389215	120.000	110
	20 Endosulfan sulfate	10.779	10.789	-0.010	402996811	120.000	130
	19 Methoxychlor	11.406	11.418	-0.012	1205357817	600.000	570
	21 Endrin ketone	11.668	11.679	-0.011	491760371	120.000	130
$	22 Decachlorobiphenyl	13.141	13.157	-0.016	171816716	60.0000	49

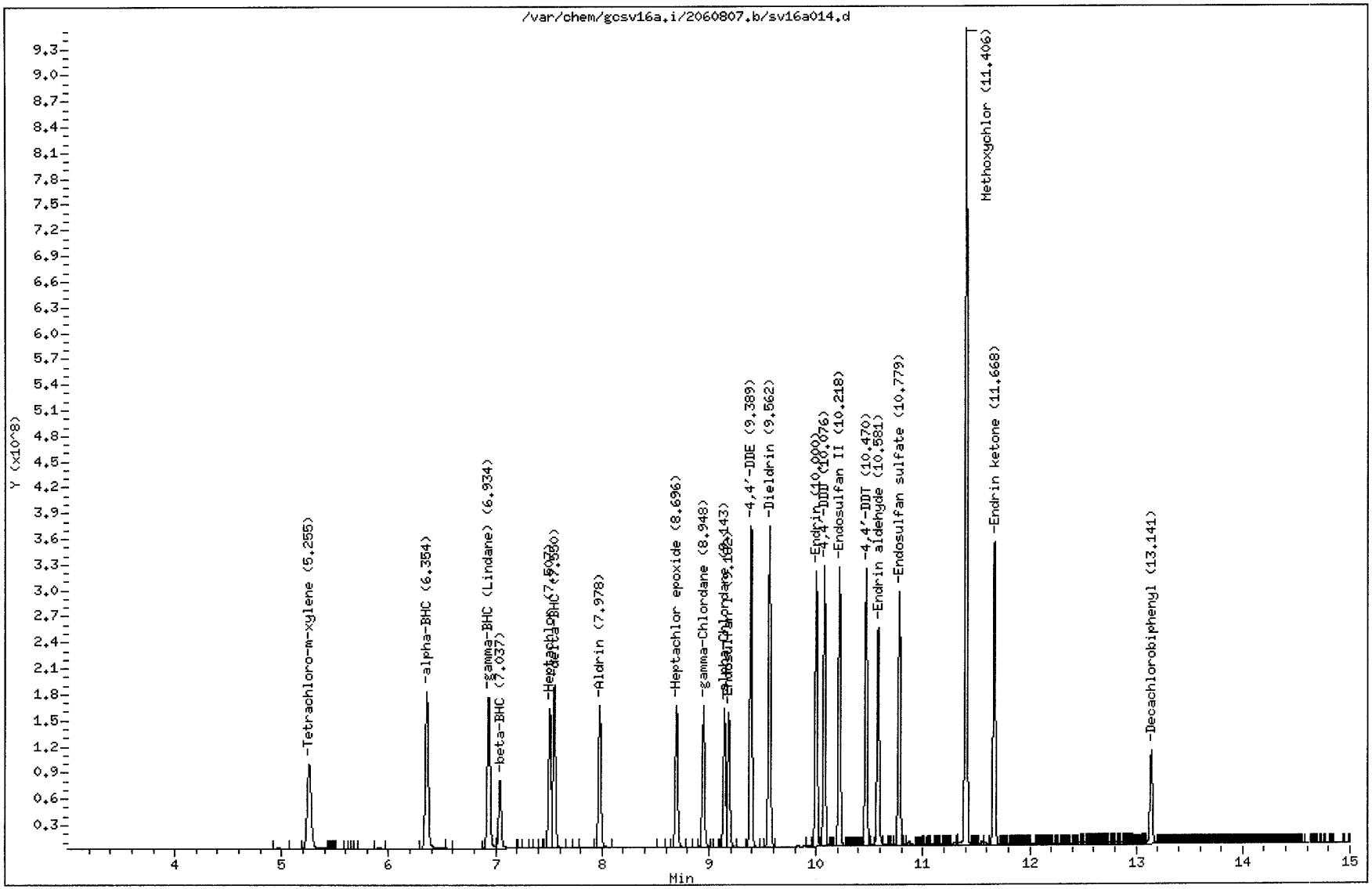
001022

167483

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a014.d
Date : 07-AUG-2006 15:13
Client ID:
Sample Info: 1400x1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001023



167484

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a025.d
Report Date: 09-Aug-2006 09:39

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-AUG-2006 19:07
Lab File ID: sv16a025.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060807.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	4572872	4303243	0.010	5.89627	15.00000	Averaged	
2 alpha-BHC	5677731	5817491	0.010	-2.46153	15.00000	Averaged	
3 gamma-BHC (Lindane)	5109214	5085669	0.010	0.46082	15.00000	Averaged	
6 beta-BHC	2359309	2281145	0.010	3.31301	15.00000	Averaged	
4 Heptachlor	4891584	4392363	0.010	10.20571	15.00000	Averaged	
7 delta-BHC	4986427	4999604	0.010	-0.26424	15.00000	Averaged	
5 Aldrin	4834910	4592112	0.010	5.02177	15.00000	Averaged	
8 Heptachlor epoxide	4391064	4234799	0.010	3.55871	15.00000	Averaged	
10 gamma-Chlordane	4401971	4149461	0.010	5.73629	15.00000	Averaged	
11 alpha-Chlordane	4180242	3882416	0.010	7.12461	15.00000	Averaged	
9 Endosulfan I	4029872	3969676	0.010	1.49374	15.00000	Averaged	
12 4,4'-DDE	4601791	4239758	0.010	7.86723	15.00000	Averaged	
13 Dieldrin	4661130	4505993	0.010	3.32830	15.00000	Averaged	
14 Endrin	3459429	3796593	0.010	-9.74622	15.00000	Averaged	
15 4,4'-DDD	3845202	3645580	0.010	5.19148	15.00000	Averaged	
16 Endosulfan II	3906609	3830831	0.010	1.93973	15.00000	Averaged	
17 4,4'-DDT	3925428	3726186	0.010	5.07569	15.00000	Averaged	
18 Endrin aldehyde	3373458	3013802	0.010	10.66134	15.00000	Averaged	
20 Endosulfan sulfate	3203834	3405850	0.010	-6.30544	15.00000	Averaged	
19 Methoxychlor	2113275	2077878	0.010	1.67499	15.00000	Averaged	
21 Endrin ketone	3857060	4163994	0.010	-7.95772	15.00000	Averaged	
$ 22 Decachlorobiphenyl	3488153	2549920	0.010	26.89770	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 6.00830
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001024

167485

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a025.d
Report Date: 09-Aug-2006 09:39

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a025.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 19:07
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-31-2
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 09:39 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.254	5.262	-0.008	258194553	60.0000	56
2	alpha-BHC	6.353	6.350	0.003	349049438	60.0000	61
3	gamma-BHC (Lindane)	6.932	6.956	-0.024	305140160	60.0000	60
6	beta-BHC	7.035	7.056	-0.021	136868678	60.0000	58
4	Heptachlor	7.505	7.526	-0.021	263541784	60.0000	54
7	delta-BHC	7.548	7.566	-0.018	299976220	60.0000	60
5	Aldrin	7.975	7.995	-0.020	275526691	60.0000	57
8	Heptachlor epoxide	8.695	8.710	-0.015	254087916	60.0000	58
10	gamma-Chlordane	8.946	8.960	-0.014	248967648	60.0000	57
11	alpha-Chlordane	9.141	9.157	-0.016	232944958	60.0000	56
9	Endosulfan I	9.180	9.196	-0.016	238180539	60.0000	59
12	4,4'-DDE	9.387	9.402	-0.015	508770912	120.000	110
13	Dieldrin	9.560	9.576	-0.016	540719185	120.000	120

001025

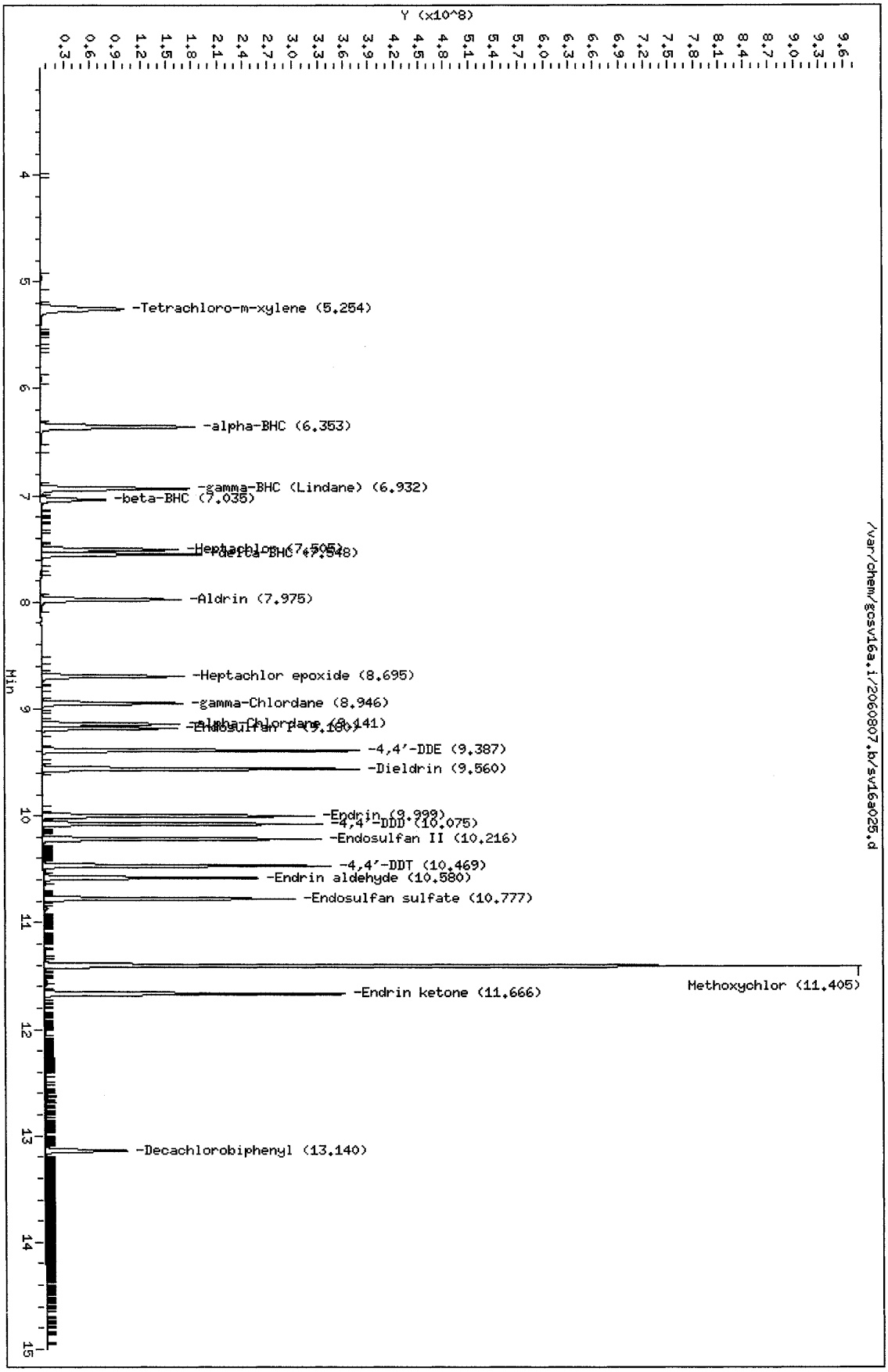
167486

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a025.d
Report Date: 09-Aug-2006 09:39

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.999	10.015	-0.016	455591142	120.000	130
15 4,4'-DDD	10.075	10.088	-0.013	437469544	120.000	110
16 Endosulfan II	10.216	10.229	-0.013	459699693	120.000	120
17 4,4'-DDT	10.469	10.482	-0.013	447142296	120.000	110
18 Endrin aldehyde	10.580	10.594	-0.014	361656259	120.000	110
20 Endosulfan sulfate	10.777	10.789	-0.012	408701998	120.000	130
19 Methoxychlor	11.405	11.418	-0.013	1246726578	600.000	590
21 Endrin ketone	11.666	11.679	-0.013	499679280	120.000	130
$ 22 Decachlorobiphenyl	13.140	13.157	-0.017	152995206	60.0000	44

001026

167487


Data File: /var/chem/gcsv16a.i/20060807.b/sv16a025.d
Date : 07-AUG-2006 19:07
Client ID:
Sample Info: 1400ml 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20060807.b/sv16a025.d
-Tetrachloro-m-xylene (5.254)
-alpha-BHC (6.353)
-gamma-BHC (Lindane) (6.932)
-beta-BHC (7.035)
-Heptachlor (7.505)
-delta-BHC (7.548)
-Aldrin (7.975)
-Heptachlor epoxide (8.695)
-gamma-Chlordane (8.946)
-alpha-Chlordane (9.141)
-Endosulfan I (9.180)
-4,4'-DDE (9.387)
-Dieldrin (9.560)
-Endrin (9.999)
-4,4'-DDD (10.075)
-Endosulfan II (10.216)
-4,4'-DDT (10.469)
-Endrin aldehyde (10.580)
-Endosulfan sulfate (10.777)
Methoxychlor (11.405)
-Endrin ketone (11.666)
-Decachlorobiphenyl (13.140)

001027

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

$$\frac{7222286 + 1584758}{7222286 + 1584758 + 245854951} \times 100 = 3.5\ \%$$

DDT Breakdown: Criteria < 15%

==========

Endrin Breakdown: Formula

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

Endrin Breakdown: Calculation

$$\frac{8279980 + 6711012}{8279980 + 6711012 + 267675961} \times 100 = 5.3\ \%$$

Endrin Breakdown: Criteria < 15%

167489

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a001.d
Report Date: 14-Aug-2006 12:18

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a001.d
Lab Smp Id: deg
Inj Date : 11-AUG-2006 15:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 07:24 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.376	9.400	-0.024	1584758	0.34438	0.0017
15 4,4'-DDD	10.062	10.085	-0.023	7222286	1.87826	0.0094
17 4,4'-DDT	10.454	10.479	-0.025	245854951	62.6314	0.31
18 Endrin aldehyde	10.566	10.565	0.001	6711012	1.98936	0.0099
21 Endrin ketone	11.651	11.676	-0.025	8279980	2.14671	0.011
14 Endrin	9.984	9.981	0.003	267675961	77.3758	0.39

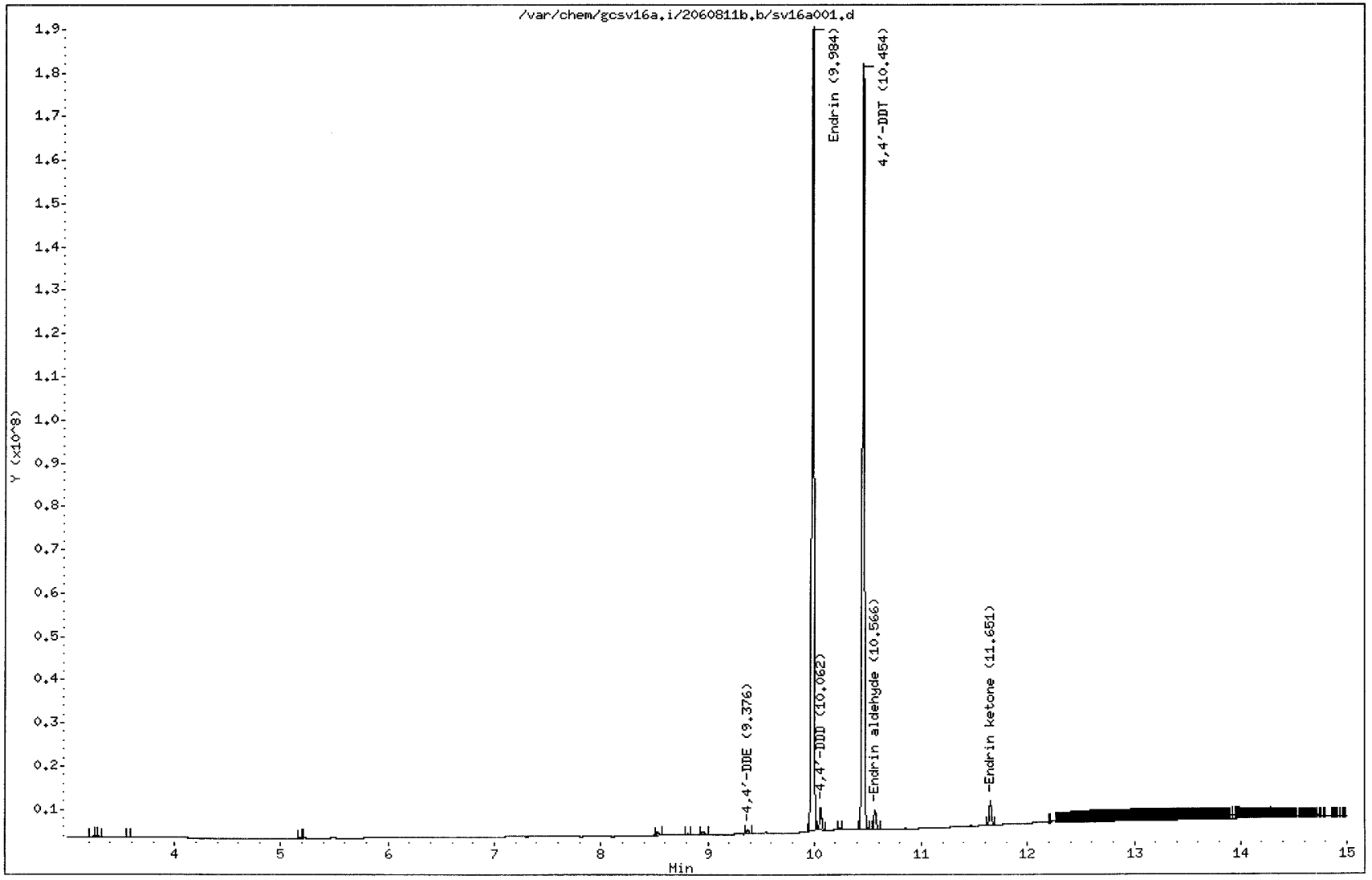
001029

167490

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a001.d
Date : 11-AUG-2006 15:46
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001030



Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a002.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 11-AUG-2006 16:05
Lab File ID: sv16a002.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060811b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	4572872	4610170	0.010	-0.81564	15.00000	Averaged	
2 alpha-BHC	5677731	6444629	0.010	-13.50712	15.00000	Averaged	
3 gamma-BHC (Lindane)	5109214	5559007	0.010	-8.80356	15.00000	Averaged	
6 beta-BHC	2359309	2464817	0.010	-4.47200	15.00000	Averaged	
4 Heptachlor	4891584	4699127	0.010	3.93445	15.00000	Averaged	
7 delta-BHC	4986427	5178180	0.010	-3.84548	15.00000	Averaged	
5 Aldrin	4834910	4596757	0.010	4.92568	15.00000	Averaged	
8 Heptachlor epoxide	4391064	4130555	0.010	5.93270	15.00000	Averaged	
10 gamma-Chlordane	4401971	4055693	0.010	7.86643	15.00000	Averaged	
11 alpha-Chlordane	4180242	3768673	0.010	9.84558	15.00000	Averaged	
9 Endosulfan I	4029872	3825438	0.010	5.07295	15.00000	Averaged	
12 4,4'-DDE	4601791	4152539	0.010	9.76254	15.00000	Averaged	
13 Dieldrin	4661130	4311295	0.010	7.50536	15.00000	Averaged	
14 Endrin	3459429	3509265	0.010	-1.44056	15.00000	Averaged	
15 4,4'-DDD	3845202	3463378	0.010	9.92989	15.00000	Averaged	
16 Endosulfan II	3906609	3610113	0.010	7.58958	15.00000	Averaged	
17 4,4'-DDT	3925428	3298549	0.010	15.96970	15.00000	Averaged	<-
18 Endrin aldehyde	3373458	2852984	0.010	15.42850	15.00000	Averaged	<-
20 Endosulfan sulfate	3203834	3194522	0.010	0.29065	15.00000	Averaged	
19 Methoxychlor	2113275	1855218	0.010	12.21121	15.00000	Averaged	
21 Endrin ketone	3857060	3936403	0.010	-2.05709	15.00000	Averaged	
$ 22 Decachlorobiphenyl	3488153	3176293	0.010	8.94055	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.27942
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001031

167492

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a002.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a002.d
Lab Smp Id: 1400
Inj Date : 11-AUG-2006 16:05
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-31-2
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.237	5.259	-0.022	276610172	60.0000	60
2	alpha-BHC	6.336	6.348	-0.012	386677764	60.0000	68
3	gamma-BHC (Lindane)	6.916	6.920	-0.004	333540404	60.0000	65
6	beta-BHC	7.022	7.025	-0.003	147889026	60.0000	63
4	Heptachlor	7.489	7.500	-0.011	281947623	60.0000	58
7	delta-BHC	7.534	7.543	-0.009	310690775	60.0000	62
5	Aldrin	7.960	7.963	-0.003	275805449	60.0000	57
8	Heptachlor epoxide	8.679	8.677	0.002	247833305	60.0000	56
10	gamma-Chlordane	8.931	8.958	-0.027	243341560	60.0000	55
11	alpha-Chlordane	9.126	9.135	-0.009	226120372	60.0000	54
9	Endosulfan I	9.165	9.175	-0.010	229526294	60.0000	57
12	4,4'-DDE	9.373	9.400	-0.027	498304736	120.000	110
13	Dieldrin	9.545	9.543	0.002	517355439	120.000	110

167493

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a002.d
Report Date: 14-Aug-2006 13:45

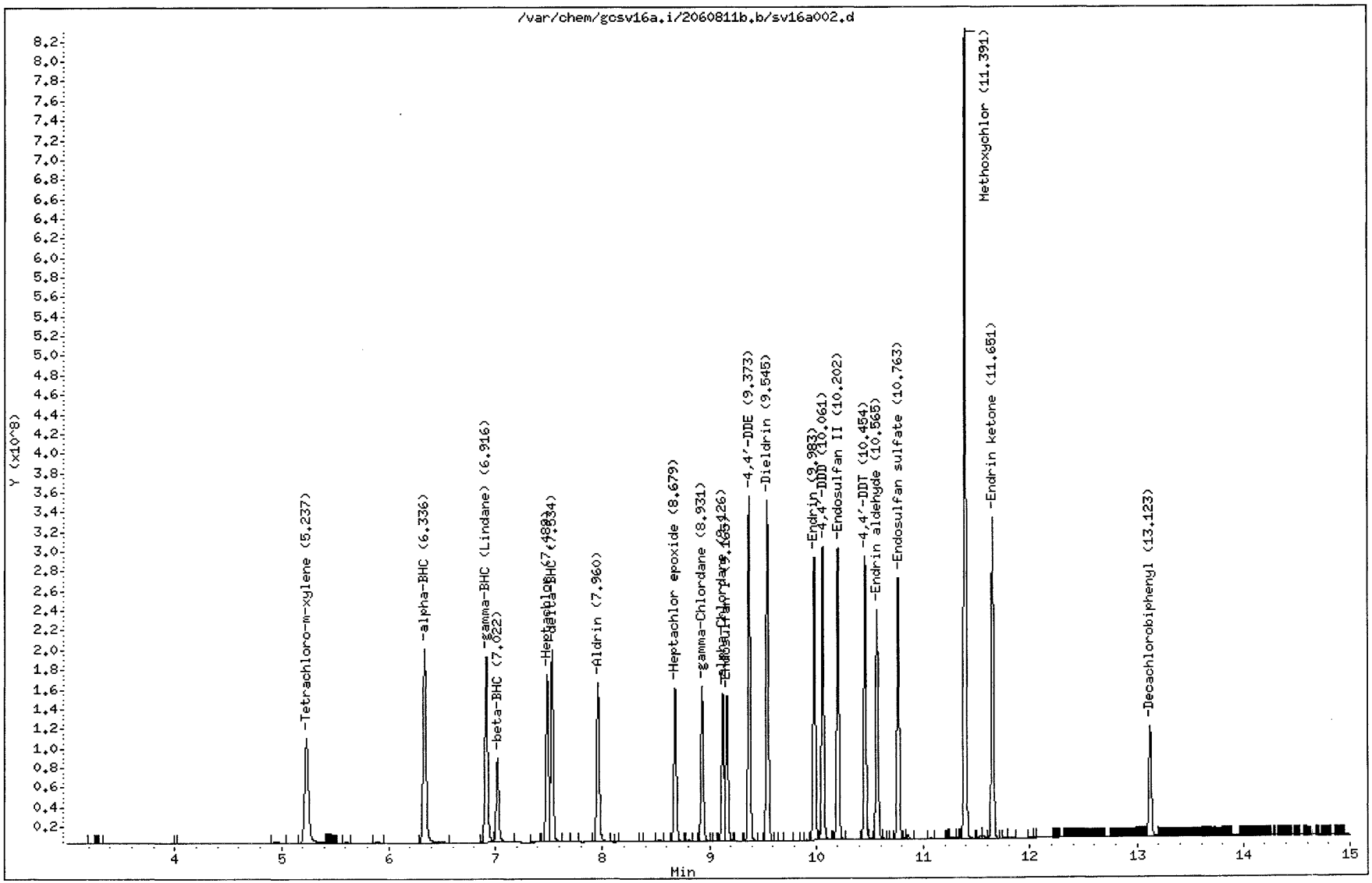
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.983	9.983	0.000	421111742	120.000	120
	15 4,4'-DDD	10.061	10.086	-0.025	415605342	120.000	110
	16 Endosulfan II	10.202	10.226	-0.024	433213593	120.000	110
	17 4,4'-DDT	10.454	10.479	-0.025	395825894	120.000	100
	18 Endrin aldehyde	10.565	10.566	-0.001	342358089	120.000	100
	20 Endosulfan sulfate	10.763	10.787	-0.024	383342655	120.000	120
	19 Methoxychlor	11.391	11.415	-0.024	1113130984	600.000	530
	21 Endrin ketone	11.651	11.676	-0.025	472368368	120.000	120
$	22 Decachlorobiphenyl	13.123	13.124	-0.001	190577580	60.0000	55

167494

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a002.d
Date : 11-AUG-2006 16:05
Client ID:
Sample Info: 1400x1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001034



167495

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a025.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 12-AUG-2006 00:08
Lab File ID: sv16a025.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060811b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	4572872	4779651	0.010	-4.52187	15.00000	Averaged	
2 alpha-BHC	5677731	6665836	0.010	-17.40316	15.00000	Averaged	<-
3 gamma-BHC (Lindane)	5109214	5784671	0.010	-13.22037	15.00000	Averaged	
6 beta-BHC	2359309	2567242	0.010	-8.81331	15.00000	Averaged	
4 Heptachlor	4891584	4885992	0.010	0.11431	15.00000	Averaged	
7 delta-BHC	4986427	5455732	0.010	-9.41165	15.00000	Averaged	
5 Aldrin	4834910	4769382	0.010	1.35529	15.00000	Averaged	
8 Heptachlor epoxide	4391064	4279692	0.010	2.53632	15.00000	Averaged	
10 gamma-Chlordane	4401971	4181311	0.010	5.01275	15.00000	Averaged	
11 alpha-Chlordane	4180242	3901640	0.010	6.66473	15.00000	Averaged	
9 Endosulfan I	4029872	3968879	0.010	1.51352	15.00000	Averaged	
12 4,4'-DDE	4601791	4291888	0.010	6.73439	15.00000	Averaged	
13 Dieldrin	4661130	4466961	0.010	4.16570	15.00000	Averaged	
14 Endrin	3459429	3543879	0.010	-2.44114	15.00000	Averaged	
15 4,4'-DDD	3845202	3592907	0.010	6.56129	15.00000	Averaged	
16 Endosulfan II	3906609	3747528	0.010	4.07210	15.00000	Averaged	
17 4,4'-DDT	3925428	3457556	0.010	11.91901	15.00000	Averaged	
18 Endrin aldehyde	3373458	3018684	0.010	10.51662	15.00000	Averaged	
20 Endosulfan sulfate	3203834	3331835	0.010	-3.99524	15.00000	Averaged	
19 Methoxychlor	2113275	1915232	0.010	9.37138	15.00000	Averaged	
21 Endrin ketone	3857060	4145482	0.010	-7.47778	15.00000	Averaged	
$ 22 Decachlorobiphenyl	3488153	3258265	0.010	6.59055	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 6.56420
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001035

167496

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a025.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a025.d
Lab Smp Id: 1400
Inj Date : 12-AUG-2006 00:08
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-31-2
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.234	5.259	-0.025	286779039	60.0000	63
2	alpha-BHC	6.333	6.348	-0.015	399950165	60.0000	70
3	gamma-BHC (Lindane)	6.914	6.919	-0.005	347080246	60.0000	68
6	beta-BHC	7.019	7.024	-0.005	154034517	60.0000	65
4	Heptachlor	7.487	7.500	-0.013	293159544	60.0000	60
7	delta-BHC	7.531	7.543	-0.012	327343950	60.0000	66
5	Aldrin	7.957	7.963	-0.006	286162940	60.0000	59
8	Heptachlor epoxide	8.676	8.676	0.000	256781543	60.0000	58
10	gamma-Chlordane	8.928	8.957	-0.029	250878643	60.0000	57
11	alpha-Chlordane	9.124	9.135	-0.011	234098390	60.0000	56
9	Endosulfan I	9.162	9.174	-0.012	238132715	60.0000	59
12	4,4'-DDE	9.371	9.400	-0.029	515026600	120.000	110
13	Dieldrin	9.542	9.542	0.000	536035340	120.000	120

001036

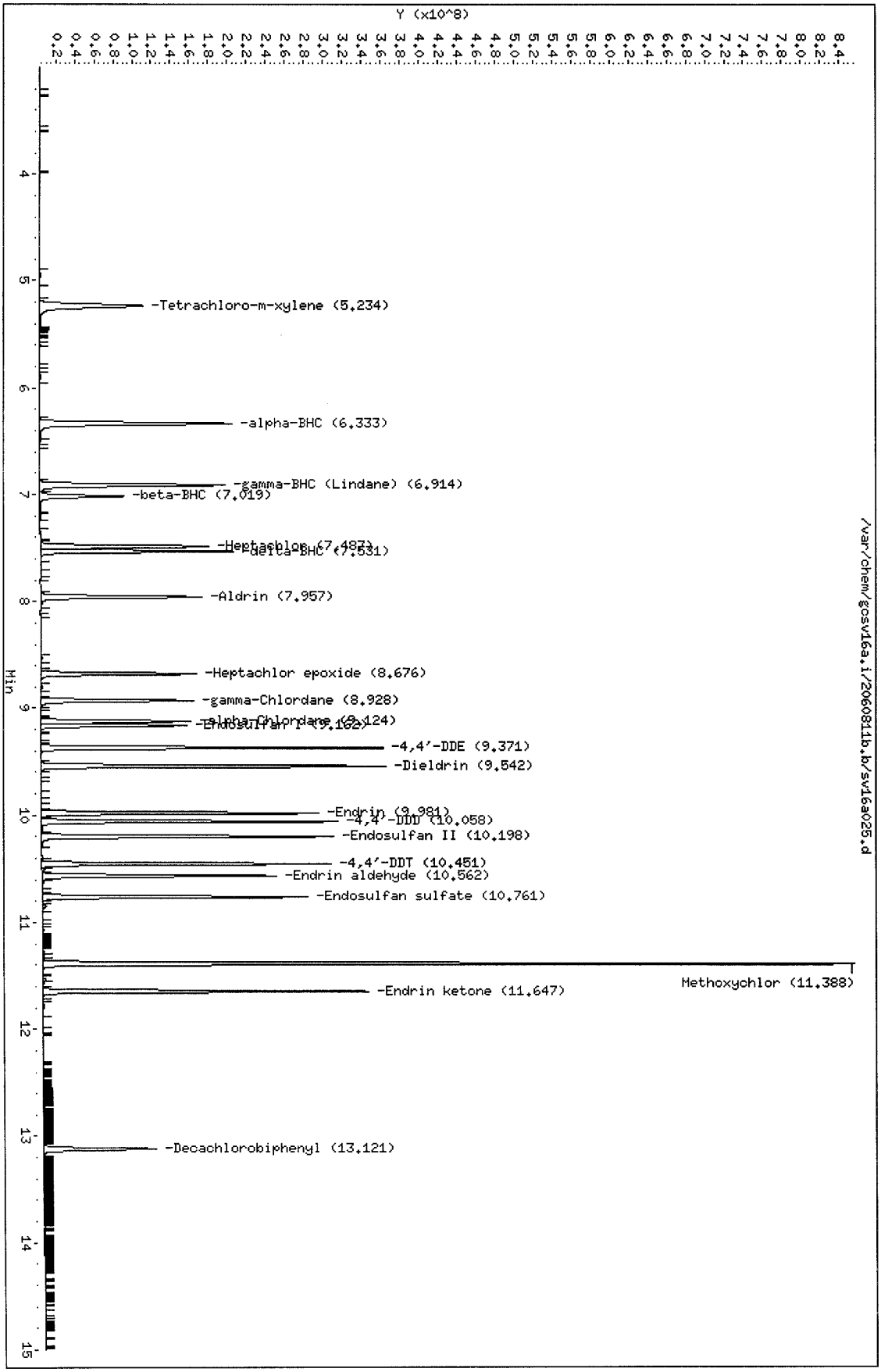
167497

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a025.d
Report Date: 14-Aug-2006 13:45

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.981	9.983	-0.002	425265473	120.000	120
	15 4,4'-DDD	10.058	10.085	-0.027	431148868	120.000	110
	16 Endosulfan II	10.198	10.226	-0.028	449703317	120.000	120
	17 4,4'-DDT	10.451	10.479	-0.028	414906724	120.000	110
	18 Endrin aldehyde	10.562	10.565	-0.003	362242104	120.000	110
	20 Endosulfan sulfate	10.761	10.786	-0.025	399820196	120.000	120
	19 Methoxychlor	11.388	11.415	-0.027	1149139087	600.000	540
	21 Endrin ketone	11.647	11.676	-0.029	497457894	120.000	130
$	22 Decachlorobiphenyl	13.121	13.123	-0.002	195495873	60.0000	56

001037

167498



001038

167499

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:47
End Cal Date : 31-JUL-2006 23:00
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Cal Date : 09-Aug-2006 10:41 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16b.i/2060731.b/sv16b018.d
Level 2: /var/chem/gcsv16b.i/2060731.b/sv16b019.d
Level 3: /var/chem/gcsv16b.i/2060731.b/sv16b020.d
Level 4: /var/chem/gcsv16b.i/2060731.b/sv16b021.d
Level 5: /var/chem/gcsv16b.i/2060731.b/sv16b022.d
Level 6: /var/chem/gcsv16b.i/2060731.b/sv16b017.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	6127340	6339061	6404803	6431502	6384945	6274162	6326969	1.776
	3 gamma-BHC (Lindane)	5561645	5558849	5551408	5566248	5523338	+++++	5552298	0.307
	4 Heptachlor	5769775	6139123	5711278	5641676	5980738	+++++	5848518	3.522
	5 Aldrin	5311432	5348081	5266121	5235728	5142357	+++++	5260744	1.499
	6 beta-BHC	2961240	2713710	2633699	2623983	2609309	+++++	2708388	5.429
	7 delta-BHC	5050252	4491963	4814818	4960306	4475221	+++++	4758512	5.563
	8 Heptachlor epoxide	4975722	4741957	4587369	4488512	4498163	+++++	4658345	4.390
	9 Endosulfan I	4284598	4307491	4191979	4184719	4195282	+++++	4232814	1.380
	10 gamma-Chlordane	4572505	4608805	4605569	4571913	4567674	+++++	4585293	0.438
	11 alpha-Chlordane	4546247	4477574	4465692	4443362	4400954	+++++	4466766	1.191
	12 4,4'-DDE	5039431	4877110	4733887	4688110	4633202	+++++	4794348	3.425
	13 Dieldrin	5099245	4948709	4814038	4809935	4757443	+++++	4885874	2.838
	14 Endrin	4331757	4153721	3999762	3999485	4009326	+++++	4098810	3.556
	15 4,4'-DDD	4081359	3983065	3907590	3916103	3888907	+++++	3955405	1.994
	16 Endosulfan II	4194007	4029681	3903328	3924810	3889168	+++++	3988199	3.199
	17 4,4'-DDT	4234544	4166811	4094095	4100397	3999940	+++++	4119157	2.130
	18 Endrin aldehyde	3501027	3295295	3206328	3256796	3185562	+++++	3289002	3.833
	19 Methoxychlor	2025712	1907217	1882406	1920576	1899887	+++++	1927160	2.947
	20 Endosulfan sulfate	3351997	3280790	3251660	3296285	3287960	+++++	3293738	1.113
	21 Endrin ketone	4358120	4116265	4065353	4152538	4136678	+++++	4165791	2.699
M	23 AR 1016-AVG	482073	452352	419863	404671	386148	499857	440827	10.173

001039

167500

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:47
End Cal Date : 31-JUL-2006 23:00
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Cal Date : 09-Aug-2006 10:41 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	107077	97015	90421	84914	80483	114028	95656	13.573
	25 AR 1016-PEAK2	142628	131820	121151	115106	108838	150047	128265	12.545
	26 AR 1016-PEAK3	114725	111881	103920	102173	98198	114960	107643	6.630
	27 AR 1016-PEAK4	117643	111635	104371	102478	98629	120822	109263	8.109
M	28 AR 1260-AVG	1266778	1205086	1149464	1146509	1119399	1298726	1197661	6.034
	29 AR 1260-PEAK1	128421	121533	114928	115054	111727	126997	119777	5.791
	30 AR 1260-PEAK2	251398	235111	220187	216723	209643	261724	232464	8.902
	31 AR 1260-PEAK3	380096	356731	339487	335863	325275	398068	355920	7.920
	32 AR 1260-PEAK4	506863	491711	474861	478869	472755	511938	489500	3.440
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	121376	+++++	+++++	+++++	121376	0.000
	38 AR 1221-PEAK1	+++++	+++++	14284	+++++	+++++	+++++	14284	0.000
	39 AR 1221-PEAK2	+++++	+++++	21874	+++++	+++++	+++++	21874	0.000
	40 AR 1221-PEAK3	+++++	+++++	52259	+++++	+++++	+++++	52259	0.000
	41 AR 1221-PEAK4	+++++	+++++	32959	+++++	+++++	+++++	32959	0.000
M	42 AR 1232-AVG	+++++	+++++	270789	+++++	+++++	+++++	270789	0.000
	43 AR 1232-PEAK1	+++++	+++++	110910	+++++	+++++	+++++	110910	0.000
	44 AR 1232-PEAK2	+++++	+++++	52229	+++++	+++++	+++++	52229	0.000
	45 AR 1232-PEAK3	+++++	+++++	64785	+++++	+++++	+++++	64785	0.000
	46 AR 1232-PEAK4	+++++	+++++	42865	+++++	+++++	+++++	42865	0.000
M	47 AR 1242-AVG	+++++	+++++	353079	+++++	+++++	+++++	353079	0.000
	48 AR 1242-PEAK1	+++++	+++++	70360	+++++	+++++	+++++	70360	0.000
	49 AR 1242-PEAK2	+++++	+++++	94357	+++++	+++++	+++++	94357	0.000
	50 AR 1242-PEAK3	+++++	+++++	94394	+++++	+++++	+++++	94394	0.000
	51 AR 1242-PEAK4	+++++	+++++	93968	+++++	+++++	+++++	93968	0.000
M	52 AR 1248-AVG	+++++	+++++	568449	+++++	+++++	+++++	568449	0.000

167501

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:47
End Cal Date : 31-JUL-2006 23:00
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Cal Date : 09-Aug-2006 10:41 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	+++++	+++++	133255	+++++	+++++	+++++	133255	0.000
	54 AR 1248-PEAK2	+++++	+++++	146502	+++++	+++++	+++++	146502	0.000
	55 AR 1248-PEAK3	+++++	+++++	170999	+++++	+++++	+++++	170999	0.000
	56 AR 1248-PEAK4	+++++	+++++	117693	+++++	+++++	+++++	117693	0.000
M	57 AR 1254-AVG	+++++	+++++	555843	+++++	+++++	+++++	555843	0.000
	58 AR 1254-PEAK1	+++++	+++++	79115	+++++	+++++	+++++	79115	0.000
	59 AR 1254-PEAK2	+++++	+++++	69159	+++++	+++++	+++++	69159	0.000
	60 AR 1254-PEAK3	+++++	+++++	141316	+++++	+++++	+++++	141316	0.000
	61 AR 1254-PEAK4	+++++	+++++	266252	+++++	+++++	+++++	266252	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	585783	+++++	585783	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	99859	+++++	99859	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	166395	+++++	166395	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	144919	+++++	144919	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	174610	+++++	174610	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1182392	+++++	1182392	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	200964	+++++	200964	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	240808	+++++	240808	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	437533	+++++	437533	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	303086	+++++	303086	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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

001041

167502

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:47
End Cal Date : 31-JUL-2006 23:00
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Cal Date : 09-Aug-2006 10:41 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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	5451605	5171303	5016896	4908936	4854621	+++++	5080672	4.724
$ 22 Decachlorobiphenyl	3861495	3511331	3395047	3442684	3376496	+++++	3517411	5.665

001042

167503

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:47
End Cal Date : 31-JUL-2006 23:00
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Cal Date : 09-Aug-2006 10:41 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 4.58537
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

001043

167504

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

$$\frac{4563820 + 4139474}{4563820 + 4139474 + 284701921} \times 100 = 3.0\ \%$$

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

$$\frac{7030618 + 7842091}{7030618 + 7842091 + 310878801} \times 100 = 4.6\ \%$$

Endrin Breakdown: Criteria < 15%

167505

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b001.d
Report Date: 01-Aug-2006 09:04

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b001.d
Lab Smp Id: deg
Inj Date : 31-JUL-2006 16:28
Operator : tls Inst ID: gcsv16b.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 01-Aug-2006 09:04 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.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	8.400	8.400	0.000	4139474	0.86341	0.0086
15 4,4'-DDD	9.074	9.072	0.002	4563820	1.15382	0.012
17 4,4'-DDT	9.454	9.452	0.002	284701921	69.1165	0.69
18 Endrin aldehyde	9.311	9.310	0.001	7842091	2.38434	0.024
21 Endrin ketone	10.179	10.179	0.000	7030618	1.68770	0.017
14 Endrin	8.799	8.799	0.000	310878801	75.8461	0.76

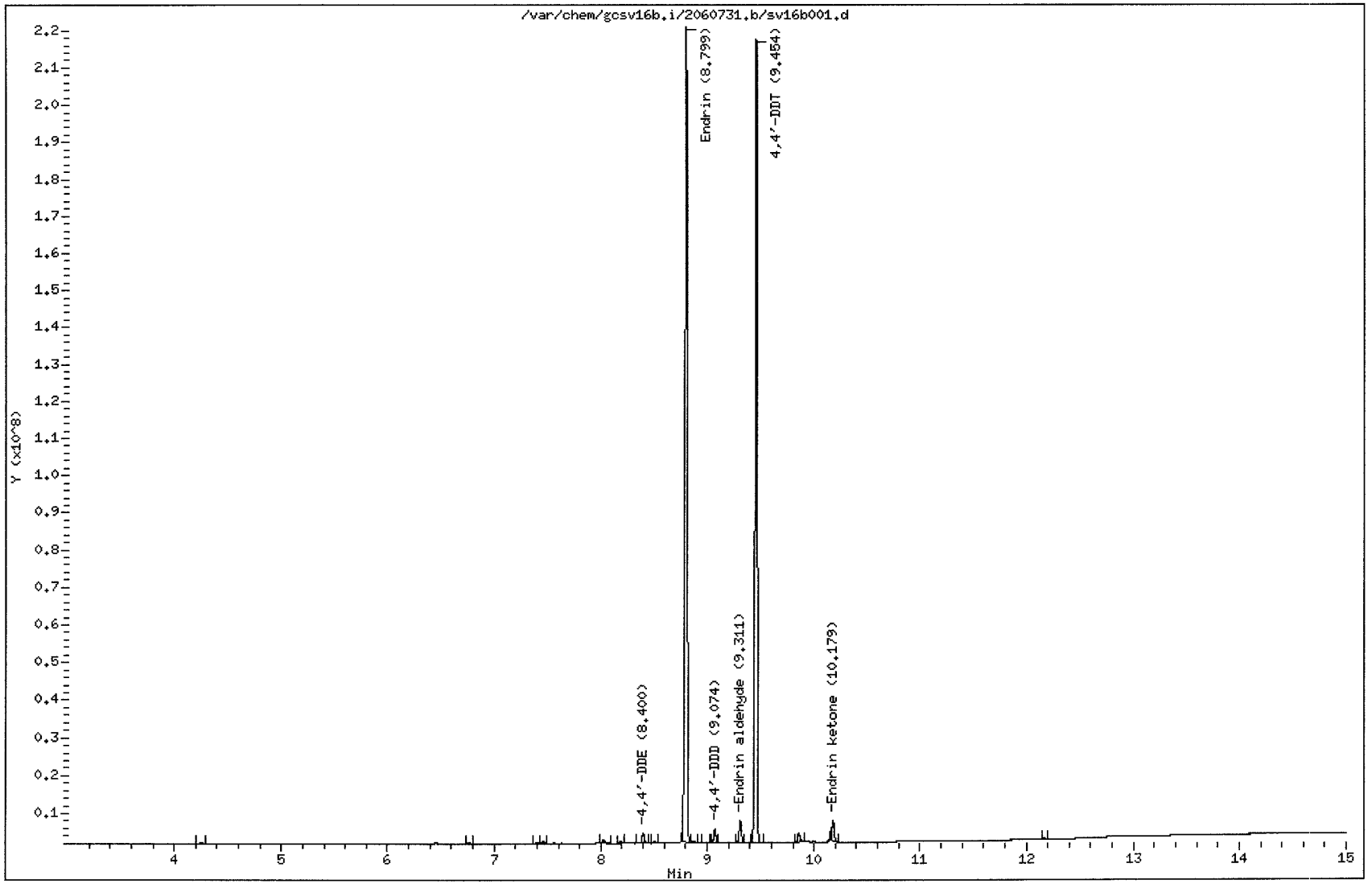
167506

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b001.d
Date : 31-JUL-2006 16:28
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i

Operator: tls
Column diameter: 0.32

001046



Data File: /var/chem/gcsv16b.i/2060731.b/sv16b002.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b002.d
Lab Smp Id: 1206
Inj Date : 31-JUL-2006 16:47
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1206*1 2.5
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16b017.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	4.447	4.448	-0.001	14516834	2.50000	2.9
2	alpha-BHC	5.166	5.168	-0.002	15685405	2.50000	2.5
3	gamma-BHC (Lindane)	5.695	5.696	-0.001	14464632	2.50000	2.6
6	beta-BHC	6.196	6.197	-0.001	7981355	2.50000	2.9
7	delta-BHC	6.546	6.546	0.000	27486828	2.50000	5.8
5	Aldrin	7.006	7.008	-0.002	13646337	2.50000	2.6
8	Heptachlor epoxide	7.637	7.639	-0.002	13194452	2.50000	2.8
10	gamma-Chlordane	8.076	8.078	-0.002	12015052	2.50000	2.6
11	alpha-Chlordane	8.135	8.136	-0.001	11709338	2.50000	2.6
9	Endosulfan I	8.166	8.167	-0.001	10947284	2.50000	2.6
12	4,4'-DDE	8.400	8.400	0.000	25907713	5.00000	5.4
13	Dieldrin	8.508	8.509	-0.001	26312606	5.00000	5.4
14	Endrin	8.797	8.799	-0.002	23121119	5.00000	5.6

001047

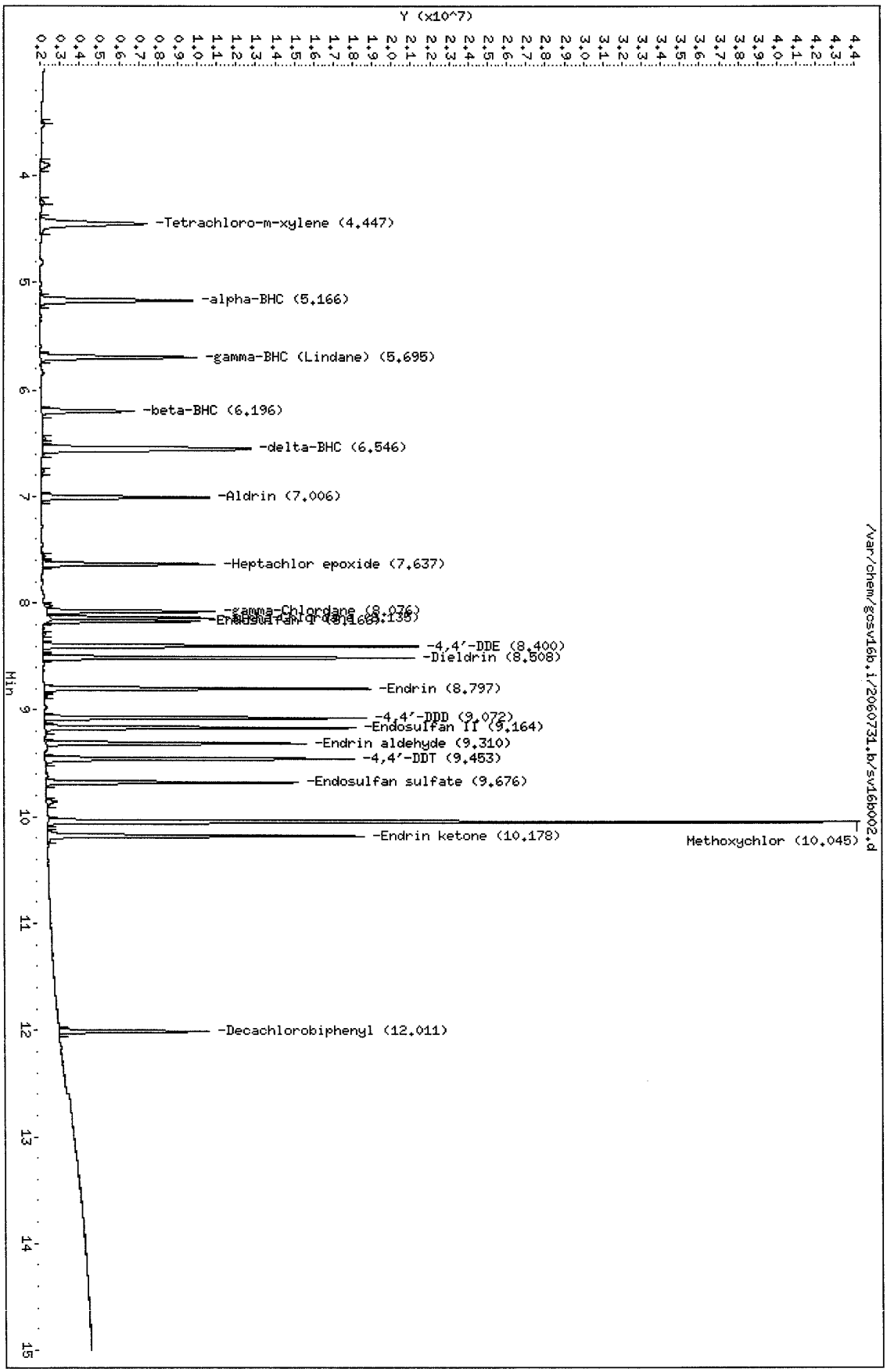
167508

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b002.d
Report Date: 02-Aug-2006 12:55

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15	4,4'-DDD	9.072	9.072	0.000	21043367	5.00000	5.3
16	Endosulfan II	9.164	9.164	0.000	21893016	5.00000	5.5
18	Endrin aldehyde	9.310	9.310	0.000	18386582	5.00000	5.6
17	4,4'-DDT	9.453	9.452	0.001	22454508	5.00000	5.5
20	Endosulfan sulfate	9.676	9.678	-0.002	17412901	5.00000	5.3
19	Methoxychlor	10.045	10.047	-0.002	54299054	25.0000	28
21	Endrin ketone	10.178	10.179	-0.001	22879614	5.00000	5.5
$ 22	Decachlorobiphenyl	12.011	12.011	0.000	10580888	2.50000	3.0

001048

167509



001049

167510

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b003.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b003.d
Lab Smp Id: 1201
Inj Date : 31-JUL-2006 17:05
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1201*1 5
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 21:45 Cal File: sv16b018.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	4.447	4.448	-0.001	27258027	5.00000	5.4
2	alpha-BHC	5.167	5.168	-0.001	30636701	5.00000	4.8
3	gamma-BHC (Lindane)	5.695	5.696	-0.001	27808226	5.00000	5.0
6	beta-BHC	6.196	6.197	-0.001	14806200	5.00000	5.5
7	delta-BHC	6.547	6.546	0.001	25251259	5.00000	5.3(M)
4	Heptachlor	6.550	6.547	0.003	28848877	5.00000	4.9(M)
5	Aldrin	7.007	7.008	-0.001	26557162	5.00000	5.0
8	Heptachlor epoxide	7.638	7.639	-0.001	24878609	5.00000	5.3
10	gamma-Chlordane	8.076	8.078	-0.002	22862524	5.00000	5.0
11	alpha-Chlordane	8.135	8.136	-0.001	22731234	5.00000	5.1
9	Endosulfan I	8.166	8.167	-0.001	21422988	5.00000	5.1
12	4,4'-DDE	8.400	8.400	0.000	50394312	10.0000	11
13	Dieldrin	8.509	8.509	0.000	50992446	10.0000	10

001050

167511

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b003.d
Report Date: 02-Aug-2006 12:55

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.798	8.798	0.000	43317568	10.0000	11
	15 4,4'-DDD	9.073	9.072	0.001	40813589	10.0000	10
	16 Endosulfan II	9.165	9.164	0.001	41940067	10.0000	11
	18 Endrin aldehyde	9.310	9.310	0.000	35010270	10.0000	11
	17 4,4'-DDT	9.454	9.453	0.001	42345435	10.0000	10
	20 Endosulfan sulfate	9.676	9.677	-0.001	33519967	10.0000	10
	19 Methoxychlor	10.045	10.047	-0.002	101285601	50.0000	53
	21 Endrin ketone	10.178	10.179	-0.001	43581203	10.0000	10
$	22 Decachlorobiphenyl	12.011	12.011	0.000	19307474	5.00000	5.5

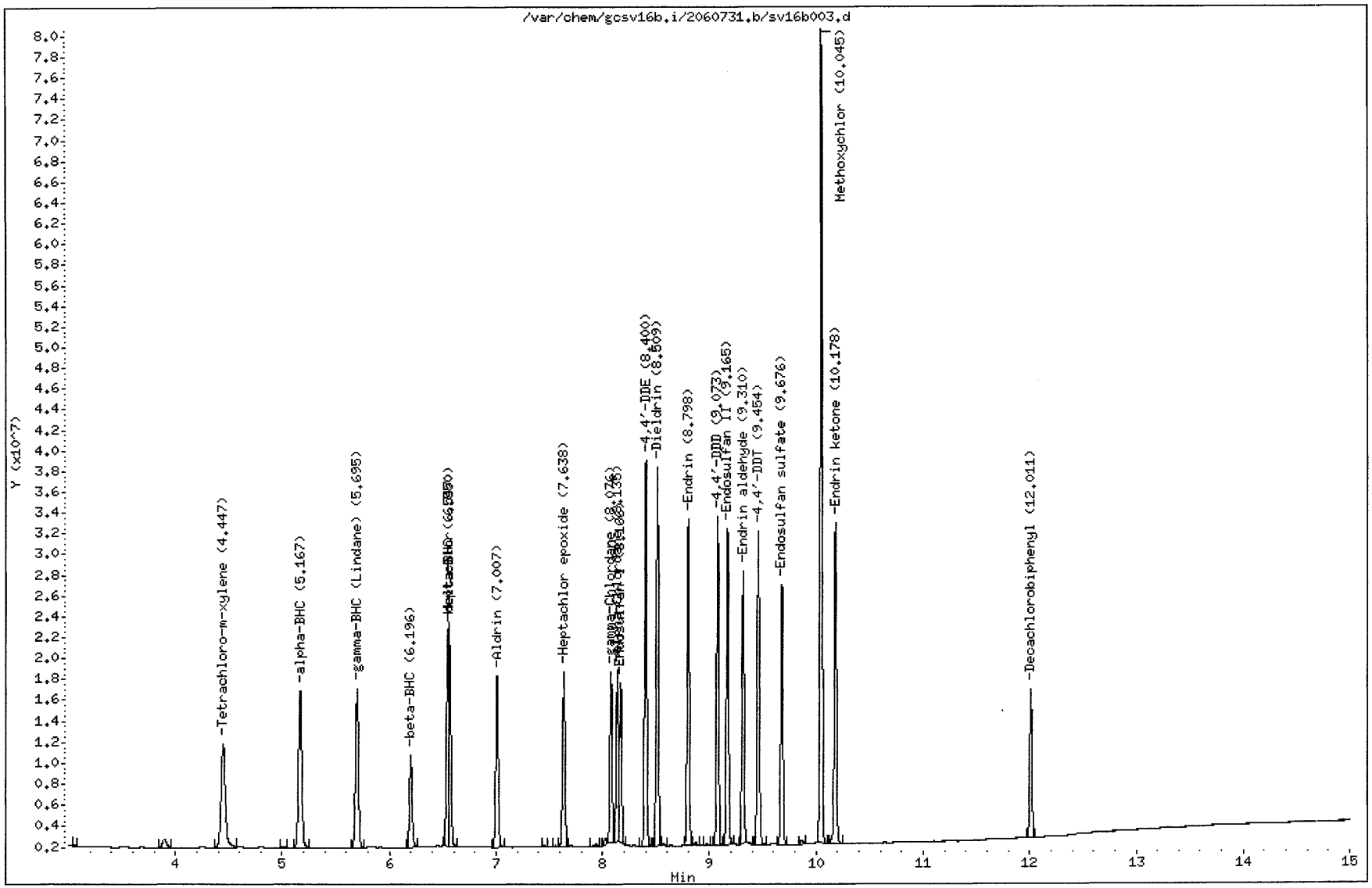
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b003.d
Date : 31-JUL-2006 17:05
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

0031052



167513

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b004.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b004.d
Lab Smp Id: 1202
Inj Date : 31-JUL-2006 17:24
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1202*1 20
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.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	4.446	4.448	-0.002	103426068	20.0000	20
2	alpha-BHC	5.166	5.168	-0.002	126781212	20.0000	20
3	gamma-BHC (Lindane)	5.695	5.696	-0.001	111176980	20.0000	20
6	beta-BHC	6.195	6.197	-0.002	54274203	20.0000	20
7	delta-BHC	6.546	6.546	0.000	89839253	20.0000	19(M)
4	Heptachlor	6.547	6.547	0.000	122782454	20.0000	21(M)
5	Aldrin	7.007	7.008	-0.001	106961619	20.0000	20
8	Heptachlor epoxide	7.638	7.639	-0.001	94839149	20.0000	20
10	gamma-Chlordane	8.076	8.078	-0.002	92176094	20.0000	20
11	alpha-Chlordane	8.135	8.136	-0.001	89551475	20.0000	20
9	Endosulfan I	8.166	8.167	-0.001	86149827	20.0000	20
12	4,4'-DDE	8.400	8.400	0.000	195084408	40.0000	41
13	Dieldrin	8.509	8.509	0.000	197948370	40.0000	41

001053

167514

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b004.d
Report Date: 02-Aug-2006 12:55

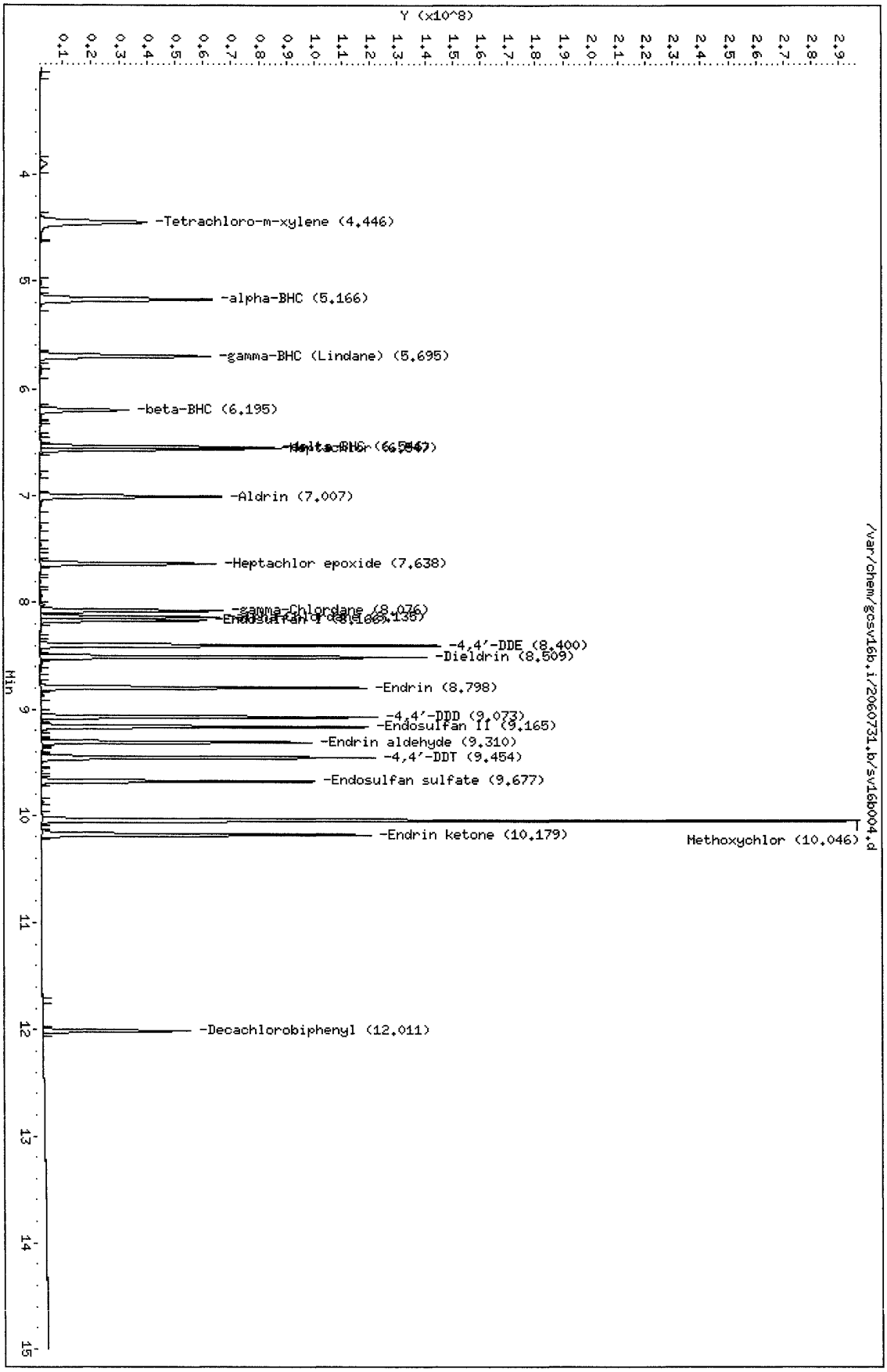
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.798	8.798	0.000	166148832	40.0000	41
	15 4,4'-DDD	9.073	9.072	0.001	159322583	40.0000	40
	16 Endosulfan II	9.165	9.164	0.001	161187238	40.0000	40
	18 Endrin aldehyde	9.310	9.310	0.000	131811785	40.0000	40
	17 4,4'-DDT	9.454	9.453	0.001	166672457	40.0000	40
	20 Endosulfan sulfate	9.677	9.677	0.000	131231612	40.0000	40
	19 Methoxychlor	10.046	10.047	-0.001	381443344	200.000	200
	21 Endrin ketone	10.179	10.179	0.000	164650584	40.0000	40(M)
$	22 Decachlorobiphenyl	12.011	12.011	0.000	70226623	20.0000	20

QC Flag Legend

M - Compound response manually integrated.

001054

167515



Data File: /var/chem/gcsv16b.i/20060731.b/sv16b004.d
Date : 31-JUL-2006 17:24
Client ID:
Sample Info: 1202w1 20
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

001055

167516

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b005.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b005.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 17:43
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1203*1 60
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:23 Cal File: sv16b020.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	4.448	4.448	0.000	301013768	60.0000	59
2 alpha-BHC	5.168	5.168	0.000	384288196	60.0000	61
3 gamma-BHC (Lindane)	5.696	5.696	0.000	333084506	60.0000	60
6 beta-BHC	6.197	6.197	0.000	158021928	60.0000	58
7 delta-BHC	6.546	6.546	0.000	288889086	60.0000	61(M)
4 Heptachlor	6.549	6.548	0.001	342676689	60.0000	59(M)
5 Aldrin	7.008	7.008	0.000	315967239	60.0000	60
8 Heptachlor epoxide	7.638	7.639	-0.001	275242134	60.0000	59
10 gamma-Chlordane	8.077	8.078	-0.001	276334133	60.0000	60
11 alpha-Chlordane	8.135	8.136	-0.001	267941524	60.0000	60
9 Endosulfan I	8.166	8.167	-0.001	251518769	60.0000	59
12 4,4'-DDE	8.400	8.400	0.000	568066453	120.000	120
13 Dieldrin	8.509	8.509	0.000	577684509	120.000	120

001056

167517

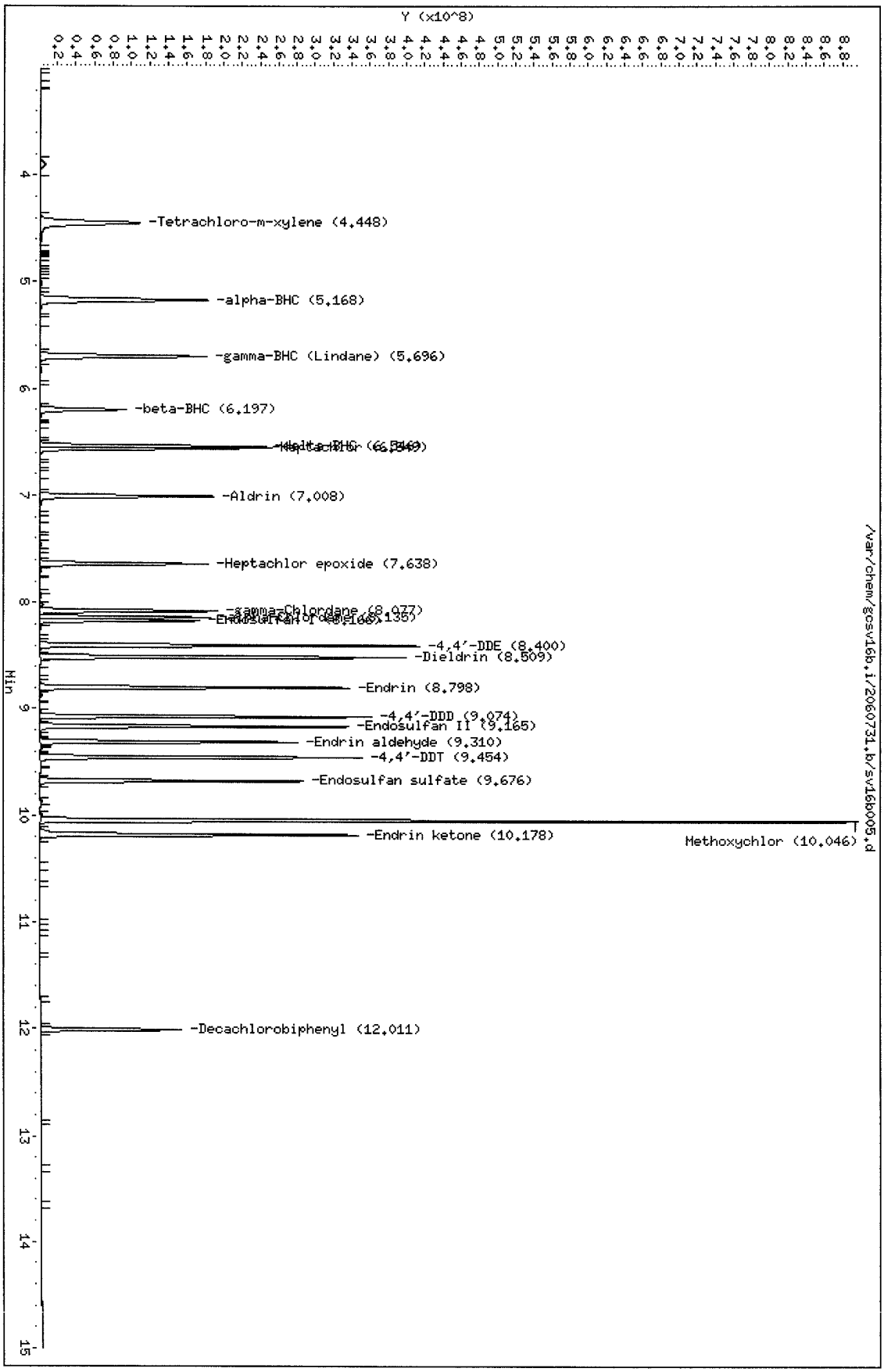
Data File: /var/chem/gcsv16b.i/2060731.b/sv16b005.d
Report Date: 02-Aug-2006 12:55

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.798	8.798	0.000	479971458	120.000	120
	15 4,4'-DDD	9.074	9.072	0.002	468910753	120.000	120
	16 Endosulfan II	9.165	9.164	0.001	468399306	120.000	120
	18 Endrin aldehyde	9.310	9.310	0.000	384759405	120.000	120
	17 4,4'-DDT	9.454	9.453	0.001	491291420	120.000	120
	20 Endosulfan sulfate	9.676	9.677	-0.001	390199248	120.000	120
	19 Methoxychlor	10.046	10.047	-0.001	1129443863	600.000	590
	21 Endrin ketone	10.178	10.179	-0.001	487842336	120.000	120
$	22 Decachlorobiphenyl	12.011	12.011	0.000	203702793	60.0000	58

QC Flag Legend

M - Compound response manually integrated.

167518



Data File: /var/chem/gcsv16b.i/20060731.b/sv16b005.d
Date : 31-JUL-2006 17:43
Client ID:
Sample Info: 1203x1 60
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

001058

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b006.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b006.d
Lab Smp Id: 1204
Inj Date : 31-JUL-2006 18:02
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1204*1 80
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:41 Cal File: sv16b021.d
Als bottle: 6 Calibration Sample, Level: 4
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	4.447	4.448	-0.001	392714876	80.0000	77
2	alpha-BHC	5.167	5.168	-0.001	514520150	80.0000	81
3	gamma-BHC (Lindane)	5.696	5.696	0.000	445299801	80.0000	80
6	beta-BHC	6.197	6.197	0.000	209918644	80.0000	78
7	delta-BHC	6.545	6.546	-0.001	396824461	80.0000	83 (M)
4	Heptachlor	6.549	6.548	0.001	451334085	80.0000	77 (M)
5	Aldrin	7.007	7.008	-0.001	418858250	80.0000	80
8	Heptachlor epoxide	7.638	7.638	0.000	359080921	80.0000	77
10	gamma-Chlordane	8.077	8.077	0.000	365753062	80.0000	80
11	alpha-Chlordane	8.136	8.136	0.000	355468971	80.0000	80
9	Endosulfan I	8.167	8.167	0.000	334777552	80.0000	79
12	4,4'-DDE	8.401	8.400	0.001	750097628	160.000	160
13	Dieldrin	8.510	8.509	0.001	769589617	160.000	160

001059

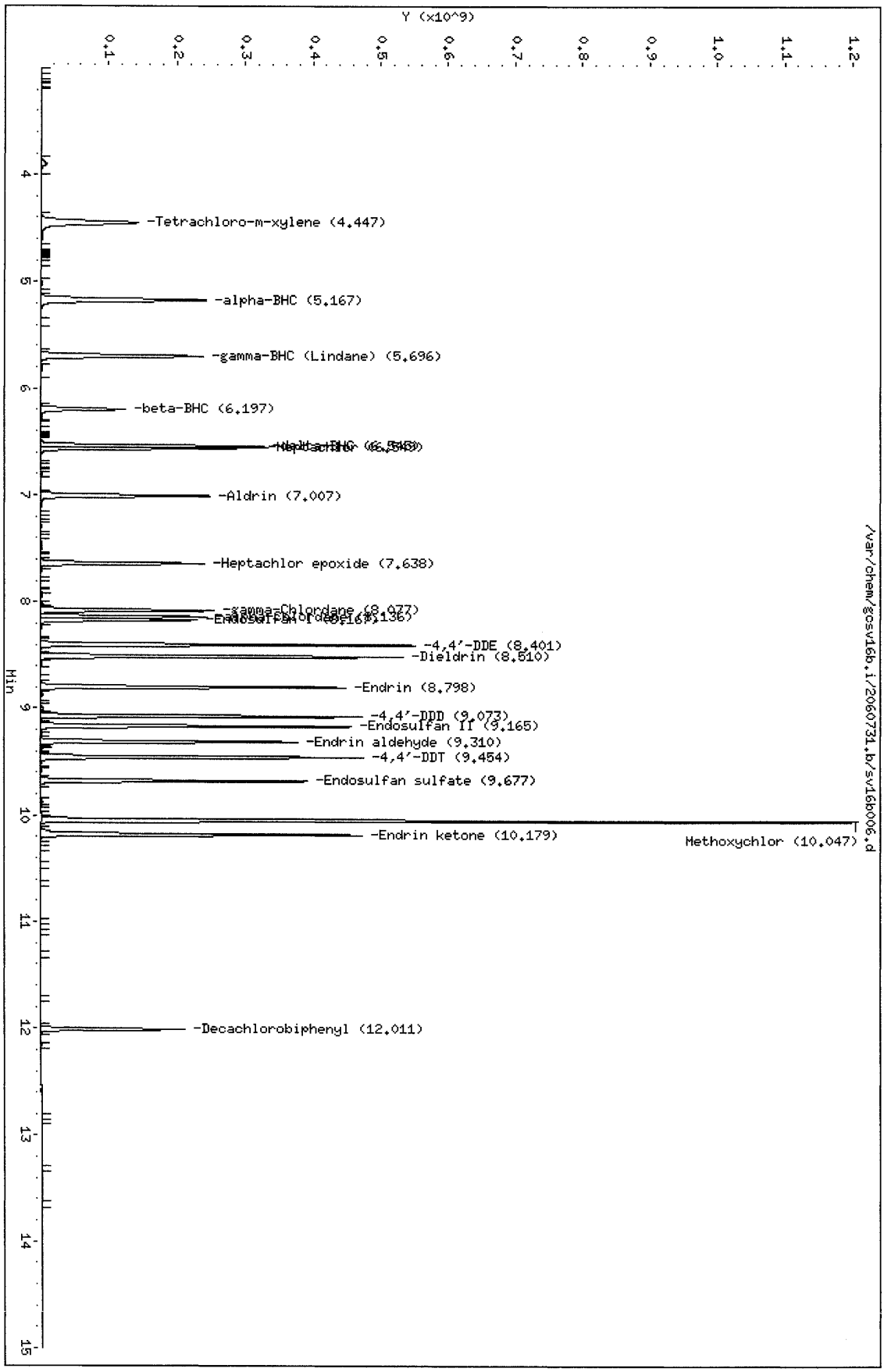
167520

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b006.d
Report Date: 02-Aug-2006 12:55

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.798	8.798	0.000	639917529	160.000	160
	15 4,4'-DDD	9.073	9.072	0.001	626576521	160.000	160
	16 Endosulfan II	9.165	9.164	0.001	627969624	160.000	160
	18 Endrin aldehyde	9.310	9.310	0.000	521087381	160.000	160
	17 4,4'-DDT	9.454	9.453	0.001	656063521	160.000	160
	20 Endosulfan sulfate	9.677	9.677	0.000	527405676	160.000	160
	19 Methoxychlor	10.047	10.046	0.001	1536460879	800.000	800
	21 Endrin ketone	10.179	10.179	0.000	664406132	160.000	160
$	22 Decachlorobiphenyl	12.011	12.011	0.000	275414747	80.0000	78

QC Flag Legend

M - Compound response manually integrated.



001061

167522

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b007.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b007.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 18:20
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1205*1 65-31-2
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 23:00 Cal File: sv16b022.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	4.448	4.448	0.000	485462142	100.000	96
2	alpha-BHC	5.167	5.168	-0.001	638494468	100.000	100(A)
3	gamma-BHC (Lindane)	5.696	5.696	0.000	552333767	100.000	99
6	beta-BHC	6.196	6.197	-0.001	260930896	100.000	96
7	delta-BHC	6.545	6.546	-0.001	447522119	100.000	94(M)
4	Heptachlor	6.547	6.548	-0.001	598073765	100.000	100(AM)
5	Aldrin	7.008	7.008	0.000	514235740	100.000	98
8	Heptachlor epoxide	7.638	7.638	0.000	449816303	100.000	97
10	gamma-Chlordane	8.077	8.077	0.000	456767352	100.000	100
11	alpha-Chlordane	8.135	8.136	-0.001	440095389	100.000	99
9	Endosulfan I	8.167	8.167	0.000	419528202	100.000	99
12	4,4'-DDE	8.401	8.400	0.001	926640335	200.000	190
13	Dieldrin	8.509	8.509	0.000	951488597	200.000	190

001062

167523

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b007.d
Report Date: 02-Aug-2006 12:55

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	8.798	8.798	0.000	801865292	200.000	200
15	4,4'-DDD	9.073	9.072	0.001	777781484	200.000	200
16	Endosulfan II	9.165	9.164	0.001	777833594	200.000	200
18	Endrin aldehyde	9.310	9.310	0.000	637112426	200.000	190
17	4,4'-DDT	9.453	9.453	0.000	799987956	200.000	190
20	Endosulfan sulfate	9.677	9.677	0.000	657591916	200.000	200
19	Methoxychlor	10.047	10.046	0.001	1899887124	1000.00	990
21	Endrin ketone	10.179	10.179	0.000	827335672	200.000	200
$ 22	Decachlorobiphenyl	12.012	12.011	0.001	337649648	100.000	96

QC Flag Legend

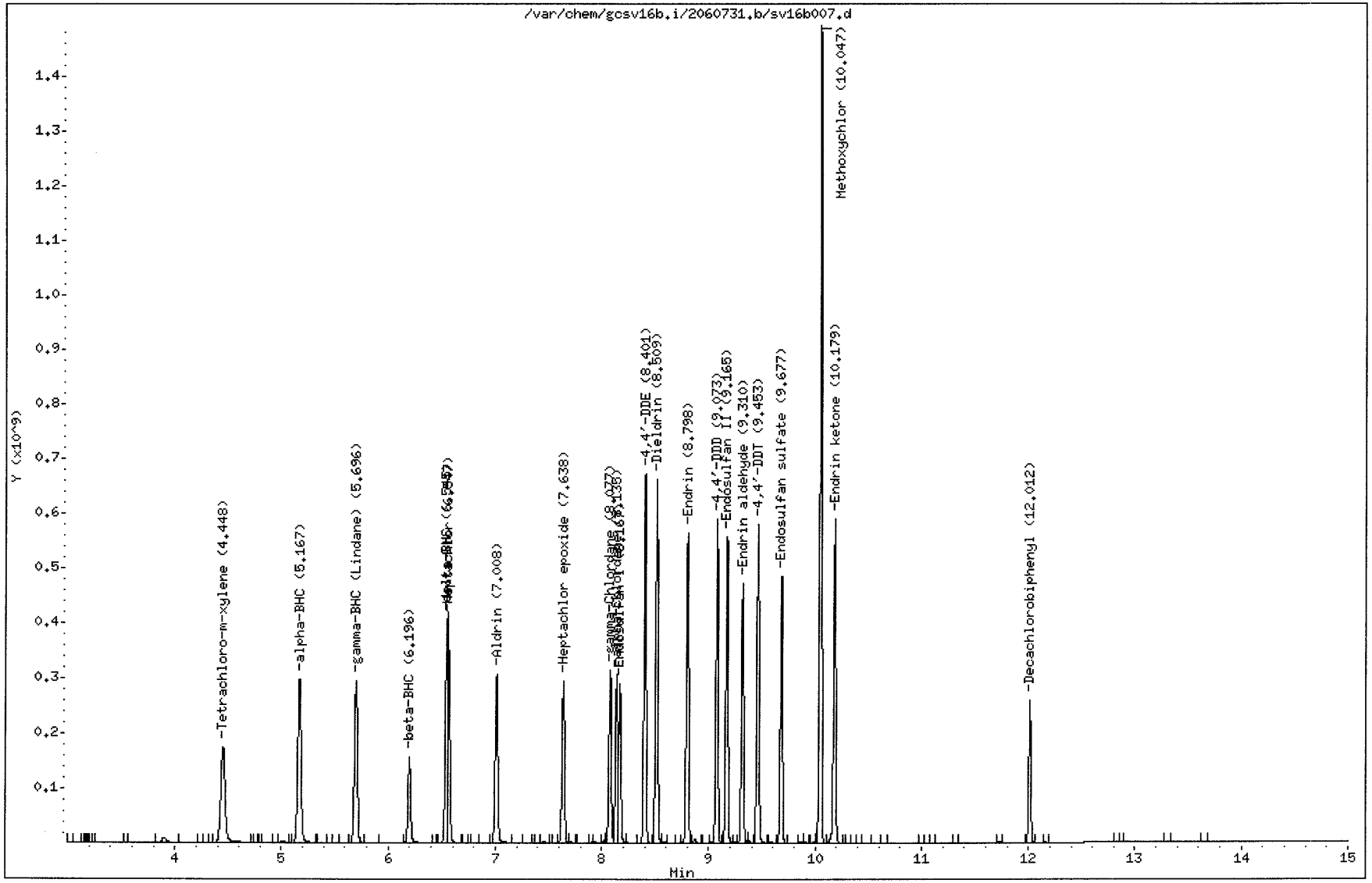
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

167524

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b007.d
Date : 31-JUL-2006 18:20
Client ID:
Sample Info: 1205x1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

001064



167525

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b009.d
Report Date: 02-Aug-2006 12:55

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b009.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 18:58
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1205*1 65-14-7
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 23:00 Cal File: sv16b022.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				472956673	400.000	400
	69 CHLORDANE-PEAK1	6.249	6.250	-0.001	80385473	400.000	400
	70 CHLORDANE-PEAK2	6.560	6.560	0.000	96323304	400.000	400
	71 CHLORDANE-PEAK3	8.134	8.133	0.001	175013370	400.000	400
	72 CHLORDANE-PEAK4	8.208	8.209	-0.001	121234526	400.000	400

001065

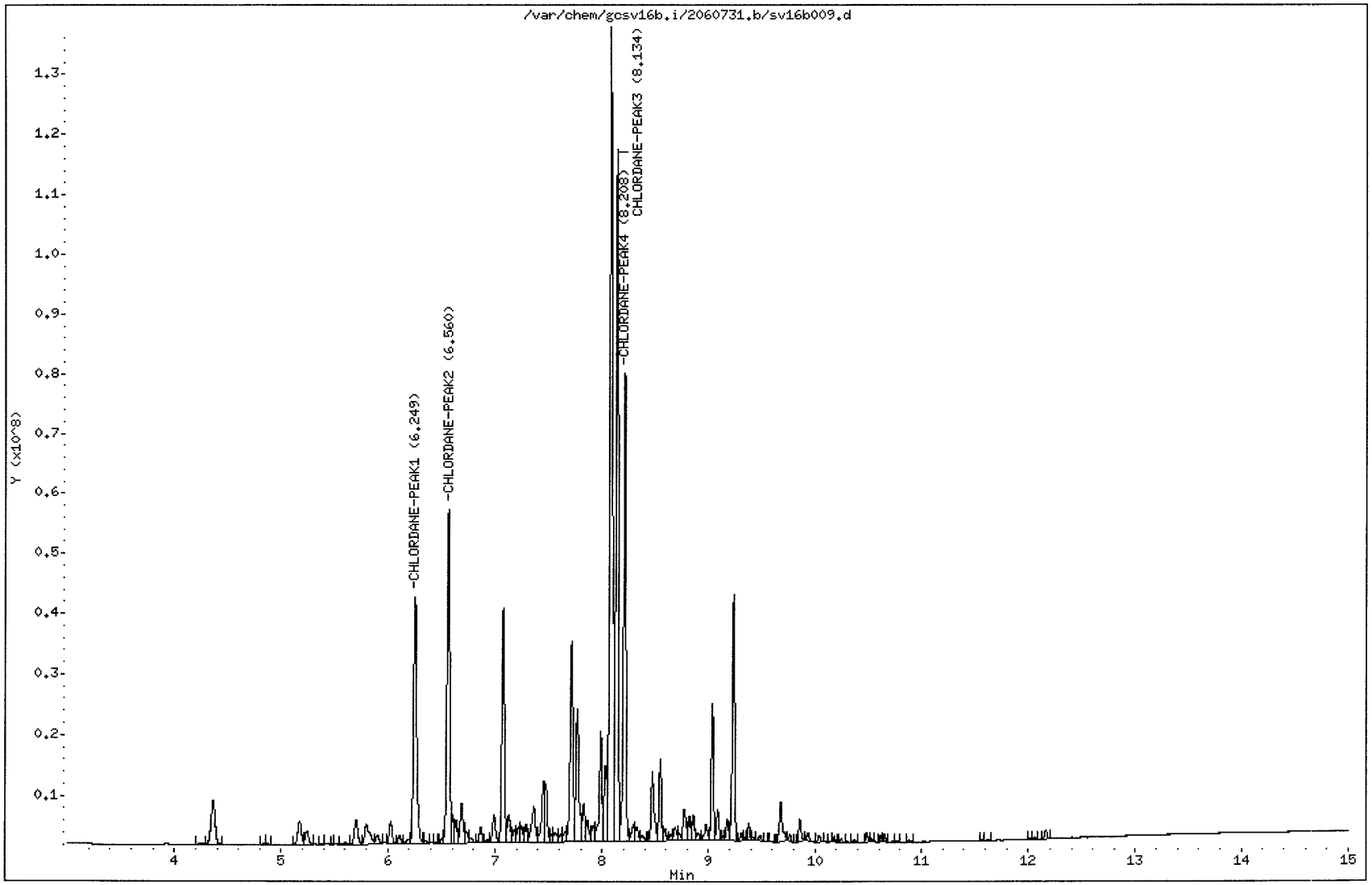
167526

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b009.d
Date : 31-JUL-2006 18:58
Client ID:
Sample Info: 1205*1 65-14-7
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i

Operator: tls
Column diameter: 0.32

001066



167527

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b010.d
Report Date: 02-Aug-2006 12:56

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b010.d
Lab Smp Id: 1201
Inj Date : 31-JUL-2006 19:16
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1201*1 tox
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:55 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 21:45 Cal File: sv16b018.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				117856115	250.000	200
	63 TOXAPHENE-PEAK1	9.212	9.211	0.001	19978717	250.000	200
	64 TOXAPHENE-PEAK2	9.792	9.791	0.001	34911219	250.000	210
	65 TOXAPHENE-PEAK3	10.669	10.670	-0.001	30285892	250.000	210
	66 TOXAPHENE-PEAK4	10.832	10.831	0.001	32680287	250.000	190

001067

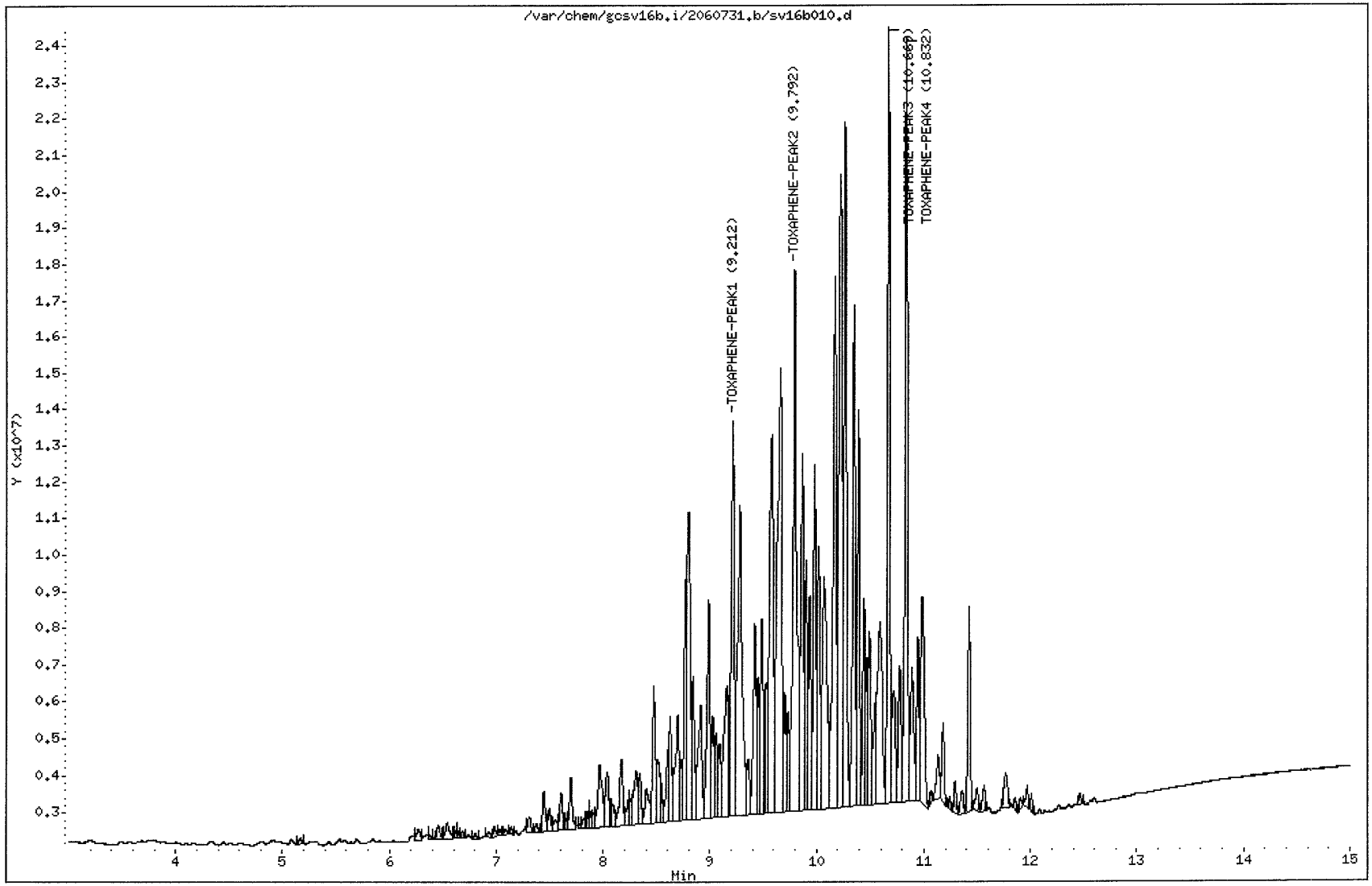
167528

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b010.d
Date : 31-JUL-2006 19:16
Client ID:
Sample Info: 1201X1 tox
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i

Operator: tls
Column diameter: 0.32

001068



167529

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b011.d
Report Date: 02-Aug-2006 12:56

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b011.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 19:35
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1205*1 65-28-4
Misc Info : GCSV~9750~*
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 02-Aug-2006 12:56 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 23:00 Cal File: sv16b022.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				2928913667	5000.00	5000
	63 TOXAPHENE-PEAK1	9.213	9.212	0.001	499295427	5000.00	5000
	64 TOXAPHENE-PEAK2	9.793	9.792	0.001	831972789	5000.00	5000
	65 TOXAPHENE-PEAK3	10.671	10.670	0.001	724593983	5000.00	5000
	66 TOXAPHENE-PEAK4	10.833	10.832	0.001	873051468	5000.00	5000

001069

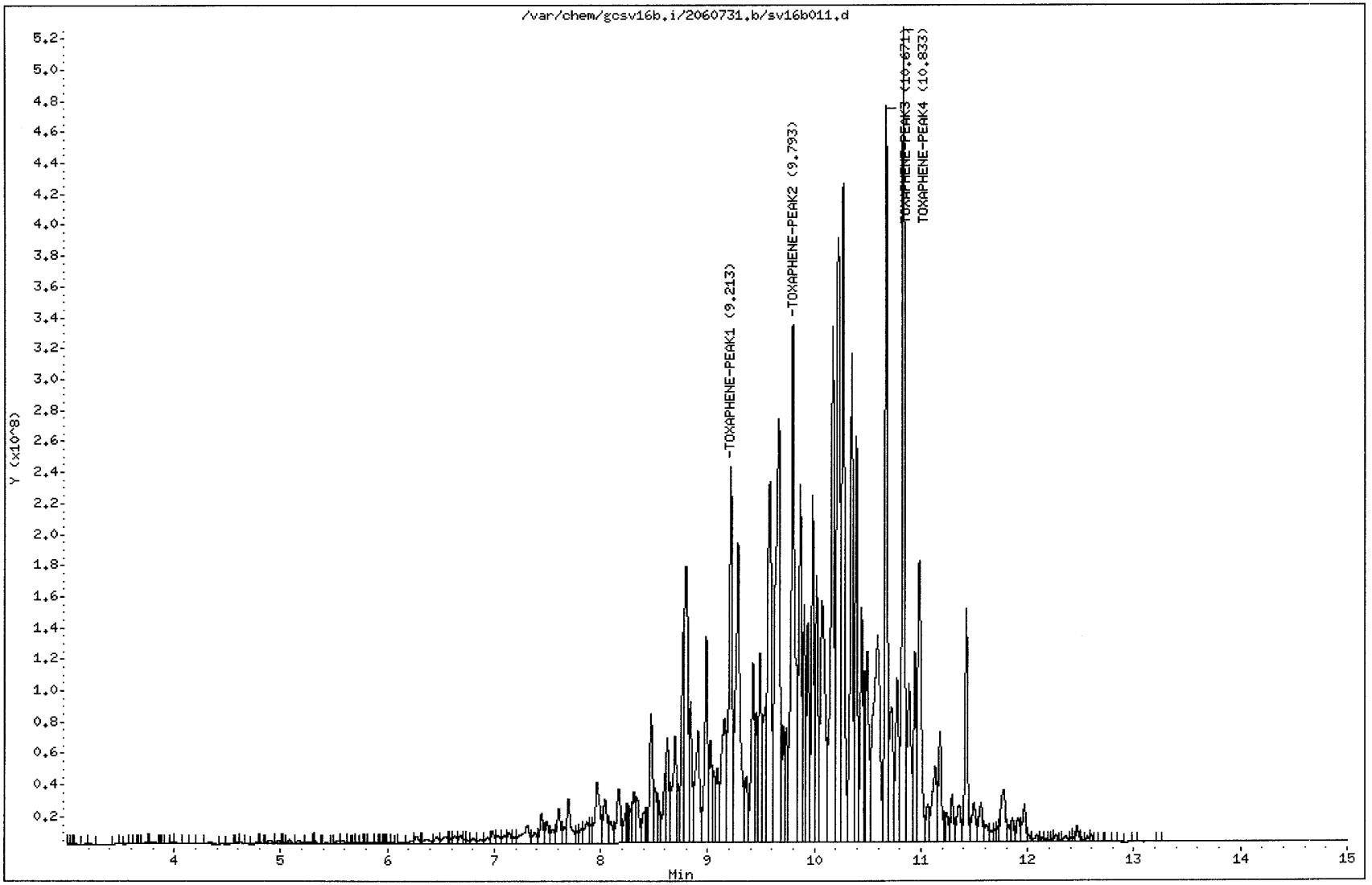
167530

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b011.d
Date : 31-JUL-2006 19:35
Client ID:
Sample Info: 1205*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i

Operator: tls
Column diameter: 0.32

001070



167531

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b008.d
Report Date: 01-Aug-2006 09:06

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2060731
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/gcsv16b.i/2060731.b/pestXLB.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	64	106.83	85-115
3 gamma-BHC (Lindane)	60	63	105.48	85-115
6 beta-BHC	60	60	99.71	85-115
4 Heptachlor	60	67	110.88	85-115
7 delta-BHC	60	56	93.15	85-115
5 Aldrin	60	63	104.33	85-115
8 Heptachlor epoxide	60	61	102.46	85-115
10 gamma-Chlordane	60	62	103.58	85-115
11 alpha-Chlordane	60	62	103.08	85-115
9 Endosulfan I	60	62	102.95	85-115
12 4,4'-DDE	60	62	103.12	85-115
13 Dieldrin	60	63	105.06	85-115
14 Endrin	60	63	105.00	85-115
15 4,4'-DDD	60	63	105.54	85-115
16 Endosulfan II	60	62	102.59	85-115
17 4,4'-DDT	60	59	98.49	85-115
18 Endrin aldehyde	60	58	95.99	85-115
20 Endosulfan sulfate	60	64	106.60	85-115
19 Methoxychlor	60	63	104.58	85-115
21 Endrin ketone	60	64	106.47	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

001071

167532

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b008.d
Report Date: 01-Aug-2006 09:06

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060731.b/sv16b008.d
Lab Smp Id: 1600
Inj Date : 31-JUL-2006 18:39
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1600*1 65-21-6
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Meth Date : 01-Aug-2006 09:04 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.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	5.167	5.168	-0.001	405533055	64.0959	64
3 gamma-BHC (Lindane)	5.696	5.696	0.000	351392184	63.2877	63
6 beta-BHC	6.196	6.198	-0.002	162031932	59.8260	60
7 delta-BHC	6.544	6.547	-0.003	265945062	55.8883	56 (M)
4 Heptachlor	6.546	6.547	-0.001	389093739	66.5286	67 (M)
5 Aldrin	7.007	7.008	-0.001	329305462	62.5967	63
8 Heptachlor epoxide	7.637	7.639	-0.002	286386186	61.4781	61
10 gamma-Chlordane	8.076	8.078	-0.002	284956635	62.1458	62
11 alpha-Chlordane	8.136	8.136	0.000	276265568	61.8491	62
9 Endosulfan I	8.166	8.168	-0.002	261459891	61.7698	62
12 4,4'-DDE	8.400	8.400	0.000	296629829	61.8707	62
13 Dieldrin	8.508	8.509	-0.001	307988843	63.0366	63
14 Endrin	8.797	8.799	-0.002	258223316	62.9996	63

001072

167533

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b008.d
Report Date: 01-Aug-2006 09:06

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
15 4,4'-DDD	9.072	9.072	0.000	250480113	63.3260	63
16 Endosulfan II	9.165	9.164	0.001	245480465	61.5517	62
18 Endrin aldehyde	9.310	9.310	0.000	189416964	57.5910	58
17 4,4'-DDT	9.453	9.452	0.001	243408547	59.0918	59
20 Endosulfan sulfate	9.676	9.678	-0.002	210670662	63.9610	64
19 Methoxychlor	10.045	10.047	-0.002	120928747	62.7497	63
21 Endrin ketone	10.178	10.179	-0.001	266113607	63.8807	64

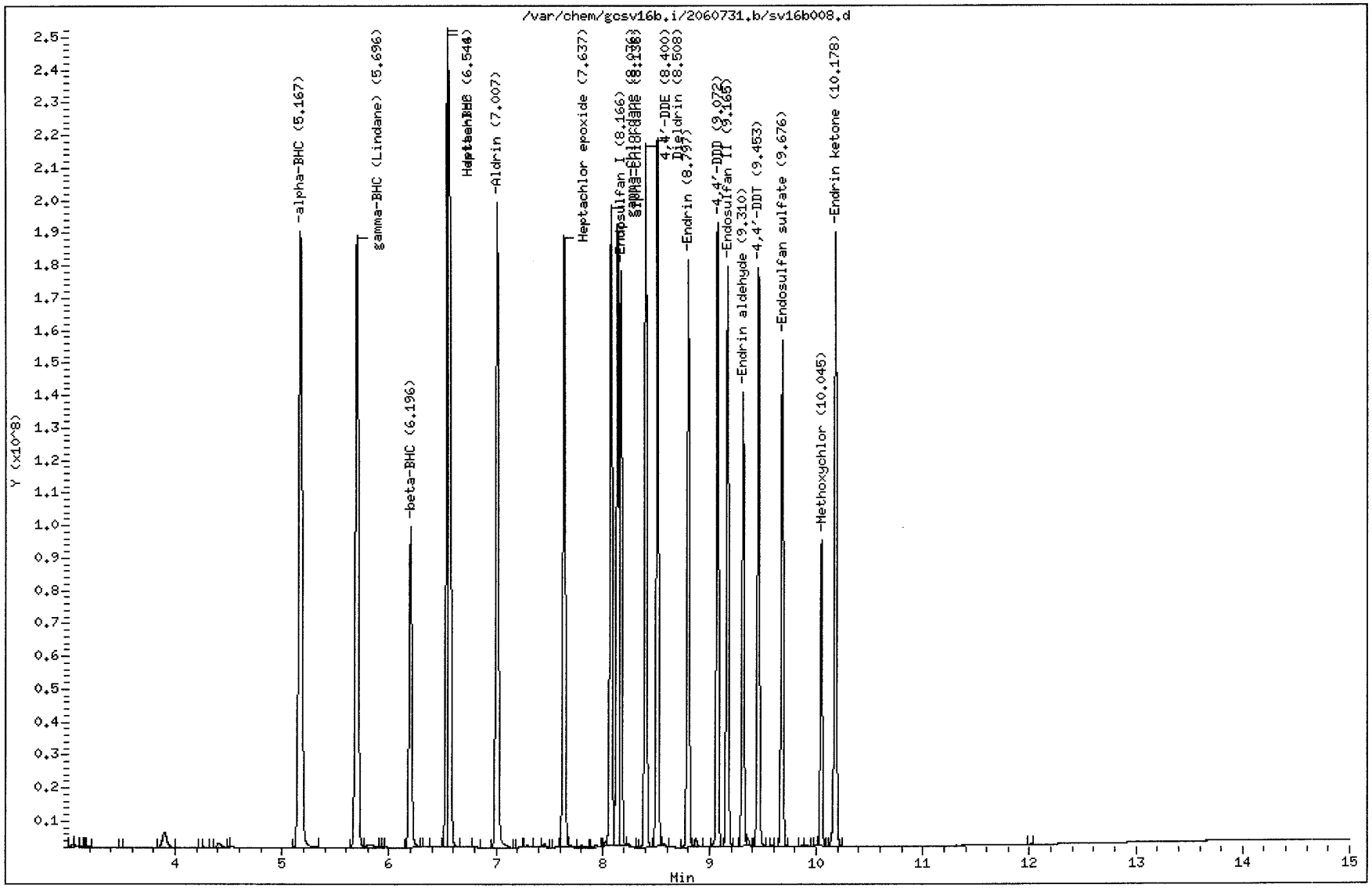
QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcsv16b.i/2060731.b/sv16b008.d
Date : 31-JUL-2006 18:39
Client ID:
Sample Info: 1600x1 65-21-6
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

001074



167535

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:

$$\frac{1750791 + 1559869}{1750791 + 1559869 + 298513062} \times 100 = 1.1\ \%$$

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:

$$\frac{2612542 + 3536611}{2612542 + 3536611 + 323054322} \times 100 = 1.9\ \%$$

Endrin Breakdown Criteria: < 15%

001075

167536

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b001.d
Report Date: 07-Aug-2006 10:28

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060807.b/sv16b001.d
Lab Smp Id: deg
Inj Date : 07-AUG-2006 10:27
Operator : tls Inst ID: gcsv16b.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Meth Date : 07-Aug-2006 10:15 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.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

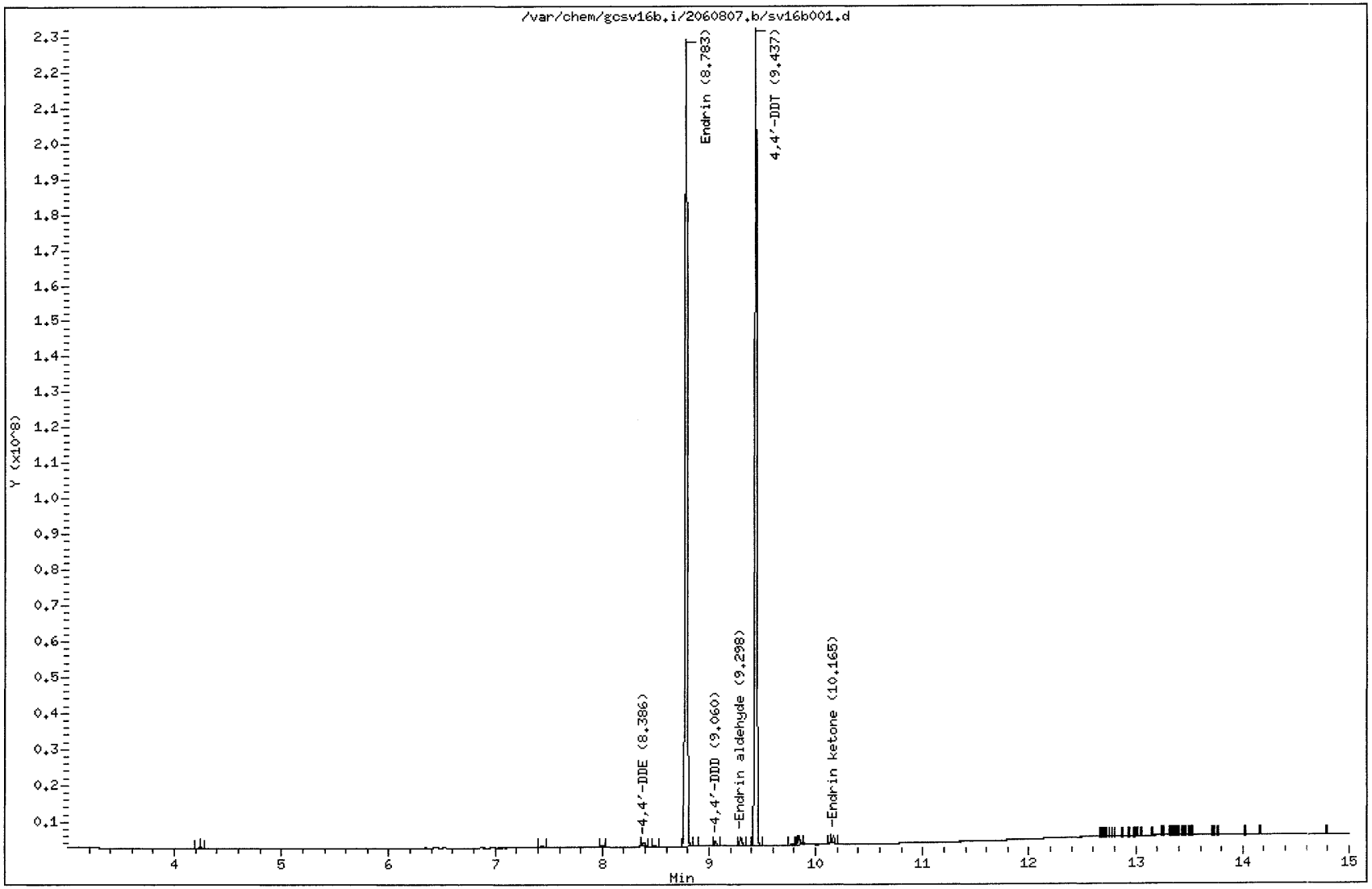
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.386	8.398	-0.012	1559869	0.32536	0.0033
15 4,4'-DDD	9.060	9.070	-0.010	1750791	0.44263	0.0044
17 4,4'-DDT	9.437	9.450	-0.013	298513062	72.4694	0.72
18 Endrin aldehyde	9.298	9.308	-0.010	3536611	1.07528	0.011
21 Endrin ketone	10.165	10.177	-0.012	2612542	0.62714	0.0063
14 Endrin	8.783	8.797	-0.014	323054322	78.8166	0.79

001076

167537

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b001.d
Date : 07-AUG-2006 10:27
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



167538

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b015.d
Report Date: 08-Aug-2006 07:34

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16b.i Injection Date: 07-AUG-2006 16:19
Lab File ID: sv16b015.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:47 23:00
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16b.i/2060807.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	5080672	4796120	0.010	5.60069	15.00000	Averaged
2 alpha-BHC	6326969	6604814	0.010	-4.39144	15.00000	Averaged
3 gamma-BHC (Lindane)	5552298	5848383	0.010	-5.33267	15.00000	Averaged
6 beta-BHC	2708388	2677684	0.010	1.13368	15.00000	Averaged
7 delta-BHC	4758512	4647572	0.010	2.33139	15.00000	Averaged
4 Heptachlor	5848518	6464029	0.010	-10.52422	15.00000	Averaged
5 Aldrin	5260744	5126331	0.010	2.55502	15.00000	Averaged
8 Heptachlor epoxide	4658345	4659235	0.010	-0.01911	15.00000	Averaged
10 gamma-Chlordane	4585293	4544714	0.010	0.88499	15.00000	Averaged
11 alpha-Chlordane	4466766	4392460	0.010	1.66353	15.00000	Averaged
9 Endosulfan I	4232814	4319022	0.010	-2.03666	15.00000	Averaged
12 4,4'-DDE	4794348	4613458	0.010	3.77298	15.00000	Averaged
13 Dieldrin	4885874	4767541	0.010	2.42193	15.00000	Averaged
14 Endrin	4098810	4271889	0.010	-4.22266	15.00000	Averaged
15 4,4'-DDD	3955405	3893963	0.010	1.55336	15.00000	Averaged
16 Endosulfan II	3988199	3952319	0.010	0.89965	15.00000	Averaged
18 Endrin aldehyde	3289002	3209284	0.010	2.42378	15.00000	Averaged
17 4,4'-DDT	4119157	3961893	0.010	3.81789	15.00000	Averaged
20 Endosulfan sulfate	3293738	3589112	0.010	-8.96773	15.00000	Averaged
19 Methoxychlor	1927160	1973774	0.010	-2.41883	15.00000	Averaged
21 Endrin ketone	4165791	4479721	0.010	-7.53592	15.00000	Averaged
$ 22 Decachlorobiphenyl	3517411	3234120	0.010	8.05394	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.75282
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001078

167539

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b015.d
Report Date: 08-Aug-2006 07:34

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060807.b/sv16b015.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 16:19
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1400*1 65-31-2
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Meth Date : 08-Aug-2006 07:34 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.d
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.433	4.446	-0.013	287767170	60.0000	57
2	alpha-BHC	5.154	5.166	-0.012	396288834	60.0000	63
3	gamma-BHC (Lindane)	5.683	5.694	-0.011	350903003	60.0000	63
6	beta-BHC	6.185	6.196	-0.011	160661017	60.0000	59
7	delta-BHC	6.535	6.535	0.000	278854343	60.0000	59 (M)
4	Heptachlor	6.536	6.536	0.000	387841741	60.0000	66 (M)
5	Aldrin	6.993	7.006	-0.013	307579851	60.0000	58
8	Heptachlor epoxide	7.625	7.636	-0.011	279554076	60.0000	60
10	gamma-Chlordane	8.063	8.075	-0.012	272682814	60.0000	59
11	alpha-Chlordane	8.122	8.134	-0.012	263547597	60.0000	59
9	Endosulfan I	8.153	8.165	-0.012	259141331	60.0000	61
12	4,4'-DDE	8.386	8.398	-0.012	553615004	120.000	120
13	Dieldrin	8.496	8.507	-0.011	572104966	120.000	120

001079

167540

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b015.d
Report Date: 08-Aug-2006 07:34

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.784	8.796	-0.012	512626670	120.000	130
	15 4,4'-DDD	9.059	9.070	-0.011	467275577	120.000	120
	16 Endosulfan II	9.152	9.162	-0.010	474278258	120.000	120
	18 Endrin aldehyde	9.297	9.308	-0.011	385114025	120.000	120
	17 4,4'-DDT	9.439	9.450	-0.011	475427122	120.000	120
	20 Endosulfan sulfate	9.664	9.676	-0.012	430693432	120.000	130
	19 Methoxychlor	10.032	10.044	-0.012	1184264601	600.000	610
	21 Endrin ketone	10.166	10.177	-0.011	537566569	120.000	130
$	22 Decachlorobiphenyl	11.996	12.008	-0.012	194047221	60.0000	55

QC Flag Legend

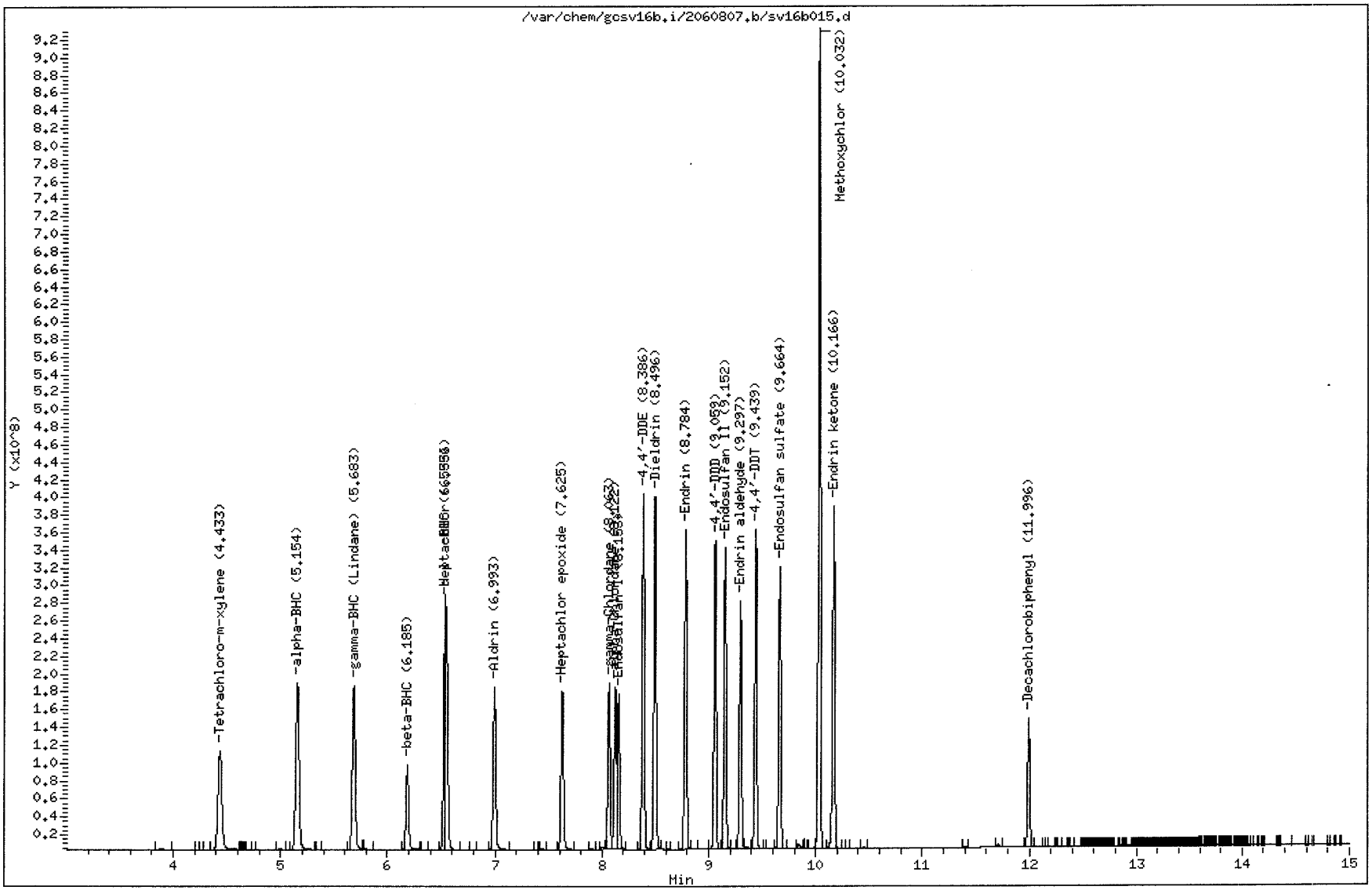
M - Compound response manually integrated.

167541

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b015.d
Date : 07-AUG-2006 16:19
Client ID:
Sample Info: 1400*1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32

001081



167542

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b026.d
Report Date: 08-Aug-2006 07:35

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16b.i Injection Date: 07-AUG-2006 19:44
Lab File ID: sv16b026.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:47 23:00
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16b.i/2060807.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	5080672	4990387	0.010	1.77705	15.00000	Averaged
2 alpha-BHC	6326969	6890058	0.010	-8.89982	15.00000	Averaged
3 gamma-BHC (Lindane)	5552298	6103939	0.010	-9.93538	15.00000	Averaged
6 beta-BHC	2708388	2751481	0.010	-1.59109	15.00000	Averaged
7 delta-BHC	4758512	4993222	0.010	-4.93242	15.00000	Averaged
4 Heptachlor	5848518	4993222	0.010	14.62416	15.00000	Averaged
5 Aldrin	5260744	5293087	0.010	-0.61480	15.00000	Averaged
8 Heptachlor epoxide	4658345	4748460	0.010	-1.93450	15.00000	Averaged
10 gamma-Chlordane	4585293	4722073	0.010	-2.98301	15.00000	Averaged
11 alpha-Chlordane	4466766	4579907	0.010	-2.53296	15.00000	Averaged
9 Endosulfan I	4232814	4434051	0.010	-4.75421	15.00000	Averaged
12 4,4'-DDE	4794348	4740181	0.010	1.12981	15.00000	Averaged
13 Dieldrin	4885874	4905521	0.010	-0.40212	15.00000	Averaged
14 Endrin	4098810	4448493	0.010	-8.53133	15.00000	Averaged
15 4,4'-DDD	3955405	4033189	0.010	-1.96653	15.00000	Averaged
16 Endosulfan II	3988199	4064281	0.010	-1.90769	15.00000	Averaged
18 Endrin aldehyde	3289002	3329239	0.010	-1.22339	15.00000	Averaged
17 4,4'-DDT	4119157	4152572	0.010	-0.81119	15.00000	Averaged
20 Endosulfan sulfate	3293738	3710466	0.010	-12.65211	15.00000	Averaged
19 Methoxychlor	1927160	2045104	0.010	-6.12011	15.00000	Averaged
21 Endrin ketone	4165791	4610136	0.010	-10.66653	15.00000	Averaged
$ 22 Decachlorobiphenyl	3517411	3262764	0.010	7.23961	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.87408
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001082

167543

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b026.d
Report Date: 08-Aug-2006 07:35

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060807.b/sv16b026.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 19:44
Operator : tls Inst ID: gcsv16b.i
Smp Info : 1400*1 65-31-2
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Meth Date : 08-Aug-2006 07:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.d
Als bottle: 26 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1 Tetrachloro-m-xylene	4.432	4.446	-0.014	299423194	60.0000	59
2 alpha-BHC	5.153	5.166	-0.013	413403467	60.0000	65
3 gamma-BHC (Lindane)	5.682	5.694	-0.012	366236358	60.0000	66
6 beta-BHC	6.184	6.195	-0.011	165088860	60.0000	61
7 delta-BHC	6.534	6.534	0.000	299593290	60.0000	63 (M)
4 Heptachlor	6.534	6.534	0.000	299593290	60.0000	51 (M)
5 Aldrin	6.992	7.006	-0.014	317585203	60.0000	60
8 Heptachlor epoxide	7.623	7.636	-0.013	284907623	60.0000	61
10 gamma-Chlordane	8.062	8.075	-0.013	283324355	60.0000	62
11 alpha-Chlordane	8.120	8.134	-0.014	274794433	60.0000	62
9 Endosulfan I	8.152	8.165	-0.013	266043058	60.0000	63
12 4,4'-DDE	8.385	8.398	-0.013	568821749	120.000	120
13 Dieldrin	8.493	8.507	-0.014	588662534	120.000	120

001083

167544

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b026.d
Report Date: 08-Aug-2006 07:35

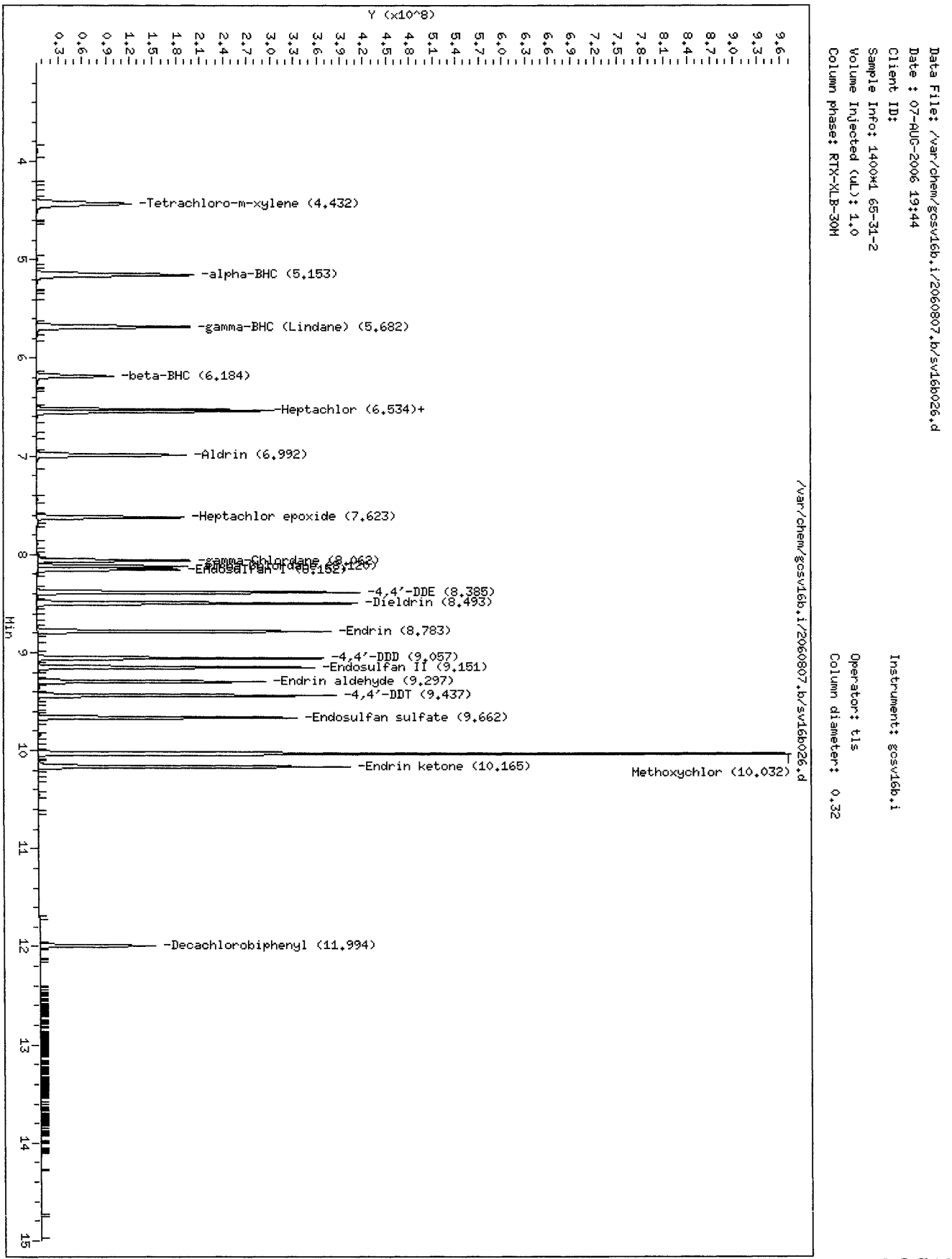
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.783	8.796	-0.013	533819184	120.000	130
	15 4,4'-DDD	9.057	9.069	-0.012	483982672	120.000	120
	16 Endosulfan II	9.151	9.162	-0.011	487713740	120.000	120
	18 Endrin aldehyde	9.297	9.308	-0.011	399508679	120.000	120
	17 4,4'-DDT	9.437	9.450	-0.013	498308581	120.000	120
	20 Endosulfan sulfate	9.662	9.675	-0.013	445255898	120.000	140
	19 Methoxychlor	10.032	10.044	-0.012	1227062425	600.000	640
	21 Endrin ketone	10.165	10.177	-0.012	553216356	120.000	130
$	22 Decachlorobiphenyl	11.994	12.008	-0.014	195765826	60.0000	56

QC Flag Legend

M - Compound response manually integrated.

001084

167545



001085

167546

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18a.i/2060802b.b/sv18a026.d
Level 2: /var/chem/gcsv18a.i/2060802b.b/sv18a027.d
Level 3: /var/chem/gcsv18a.i/2060802b.b/sv18a028.d
Level 4: /var/chem/gcsv18a.i/2060802b.b/sv18a029.d
Level 5: /var/chem/gcsv18a.i/2060802b.b/sv18a030.d
Level 6: /var/chem/gcsv18a.i/2060802b.b/sv18a025.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	5107373	5244114	5132586	5122160	5061924	6009810	5279661	6.871
3	gamma-BHC (Lindane)	4564594	4593494	4462157	4474890	4417134	+++++	4502454	1.640
4	Heptachlor	3690596	4112226	4128955	4163188	4089557	+++++	4036904	4.841
5	Aldrin	4075170	4151834	4080548	4088800	4037421	+++++	4086755	1.012
6	beta-BHC	2302642	2104214	1962320	1950865	1913712	+++++	2046751	7.833
7	delta-BHC	3684730	4250094	4302503	4326486	4291901	+++++	4171143	6.552
8	Heptachlor epoxide	3767067	3774913	3706458	3711829	3673324	+++++	3726718	1.157
9	Endosulfan I	3494355	3243064	3361882	3362940	3343974	+++++	3361243	2.660
10	gamma-Chlordane	3688506	3720759	3658926	3664446	3626775	+++++	3671882	0.955
11	alpha-Chlordane	3548565	3276381	3371206	3436729	3391316	+++++	3404839	2.918
12	4,4'-DDE	3708470	3824864	3798348	3821600	3790279	+++++	3788712	1.247
13	Dieldrin	3808124	3938054	3916721	3942070	3909180	+++++	3902830	1.402
14	Endrin	3156017	3230013	3205370	3231324	3255561	+++++	3215657	1.175
15	4,4'-DDD	3111682	3210192	3197123	3225537	3204488	+++++	3189805	1.408
16	Endosulfan II	3198533	3307105	3281826	3310151	3285906	+++++	3276704	1.387
17	4,4'-DDT	2786770	2887129	2841069	2887901	2860163	+++++	2852606	1.463
18	Endrin aldehyde	2679346	2701246	2661625	2681712	2630001	+++++	2670786	1.003
19	Methoxychlor	1523494	1553888	1564189	1597182	1588942	+++++	1565539	1.877
20	Endosulfan sulfate	2768558	2830990	2813841	2842631	2818050	+++++	2814814	1.003
21	Endrin ketone	3229762	3296600	3248389	3277192	3240031	+++++	3258395	0.850
M 23	AR 1016-AVG	687938	666498	651804	619659	617961	732707	662761	6.586

001086

167547

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
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	84646	79414	72928	67429	63894	84257	75428	11.589
	25 AR 1016-PEAK2	175886	166416	160283	151278	150152	190234	165708	9.291
	26 AR 1016-PEAK3	328822	319704	316438	303221	306360	351003	320925	5.423
	27 AR 1016-PEAK4	98584	100963	102155	97732	97554	107212	100700	3.656
M	28 AR 1260-AVG	911286	895350	897133	883901	896519	943060	904541	2.297
	29 AR 1260-PEAK1	112684	108369	105704	100925	100775	121903	108393	7.403
	30 AR 1260-PEAK2	166366	162291	160022	159508	162825	174641	164275	3.429
	31 AR 1260-PEAK3	214728	210207	209170	203836	205600	226381	211654	3.852
	32 AR 1260-PEAK4	417508	414483	422238	419632	427318	420135	420219	1.038
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	116060	+++++	+++++	+++++	116060	0.000
	38 AR 1221-PEAK1	+++++	+++++	43081	+++++	+++++	+++++	43081	0.000
	39 AR 1221-PEAK2	+++++	+++++	28873	+++++	+++++	+++++	28873	0.000
	40 AR 1221-PEAK3	+++++	+++++	25192	+++++	+++++	+++++	25192	0.000
	41 AR 1221-PEAK4	+++++	+++++	18913	+++++	+++++	+++++	18913	0.000
M	42 AR 1232-AVG	+++++	+++++	324699	+++++	+++++	+++++	324699	0.000
	43 AR 1232-PEAK1	+++++	+++++	80290	+++++	+++++	+++++	80290	0.000
	44 AR 1232-PEAK2	+++++	+++++	75118	+++++	+++++	+++++	75118	0.000
	45 AR 1232-PEAK3	+++++	+++++	122834	+++++	+++++	+++++	122834	0.000
	46 AR 1232-PEAK4	+++++	+++++	46457	+++++	+++++	+++++	46457	0.000
M	47 AR 1242-AVG	+++++	+++++	503175	+++++	+++++	+++++	503175	0.000
	48 AR 1242-PEAK1	+++++	+++++	54364	+++++	+++++	+++++	54364	0.000
	49 AR 1242-PEAK2	+++++	+++++	122841	+++++	+++++	+++++	122841	0.000
	50 AR 1242-PEAK3	+++++	+++++	240970	+++++	+++++	+++++	240970	0.000
	51 AR 1242-PEAK4	+++++	+++++	85000	+++++	+++++	+++++	85000	0.000
M	52 AR 1248-AVG	+++++	+++++	405314	+++++	+++++	+++++	405314	0.000

001087

167548

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
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	+++++	+++++	59527	+++++	+++++	+++++	59527	0.000
	54 AR 1248-PEAK2	+++++	+++++	121217	+++++	+++++	+++++	121217	0.000
	55 AR 1248-PEAK3	+++++	+++++	118686	+++++	+++++	+++++	118686	0.000
	56 AR 1248-PEAK4	+++++	+++++	105884	+++++	+++++	+++++	105884	0.000
M	57 AR 1254-AVG	+++++	+++++	408223	+++++	+++++	+++++	408223	0.000
	58 AR 1254-PEAK1	+++++	+++++	51962	+++++	+++++	+++++	51962	0.000
	59 AR 1254-PEAK2	+++++	+++++	43641	+++++	+++++	+++++	43641	0.000
	60 AR 1254-PEAK3	+++++	+++++	98560	+++++	+++++	+++++	98560	0.000
	61 AR 1254-PEAK4	+++++	+++++	214060	+++++	+++++	+++++	214060	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	413009	+++++	413009	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	78968	+++++	78968	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	114158	+++++	114158	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	136151	+++++	136151	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	83733	+++++	83733	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1092018	+++++	1092018	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	157790	+++++	157790	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	194767	+++++	194767	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	395783	+++++	395783	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	343678	+++++	343678	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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

001088

167549

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
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	4155321	4067994	3853034	3818529	3684832	+++++	3915942	4.900
$	22 Decachlorobiphenyl	2958563	2959738	2874425	2871311	2842470	+++++	2901301	1.870

001089

167550

Report Date : 30-Aug-2006 16:30

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 3.45591
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

001090

167551

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:

$$\frac{2334794 + 3199187}{2334794 + 3199187 + 220580262} \times 100 = 2.4\ \%$$

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:

$$\frac{3573420 + 4538644}{3573420 + 4538644 + 252218321} \times 100 = 3.1\ \%$$

Endrin Breakdown Criteria: < 15%

001091

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a009.d
Report Date: 03-Aug-2006 07:58

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a009.d
Lab Smp Id: deg
Inj Date : 02-AUG-2006 19:31
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 03-Aug-2006 07:57 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 00:49 Cal File: sv18a026.d
Als bottle: 9
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	8.902	8.900	0.002	3199187	0.84440	0.0084
15 4,4'-DDD	9.597	9.596	0.001	2334794	0.73196	0.0073
17 4,4'-DDT	9.995	9.994	0.001	220580262	77.3259	0.77
18 Endrin aldehyde	10.105	10.102	0.003	4538644	1.69937	0.017
21 Endrin ketone	11.202	11.201	0.001	3573420	1.09668	0.011
14 Endrin	9.516	9.516	0.000	252218321	78.4345	0.78

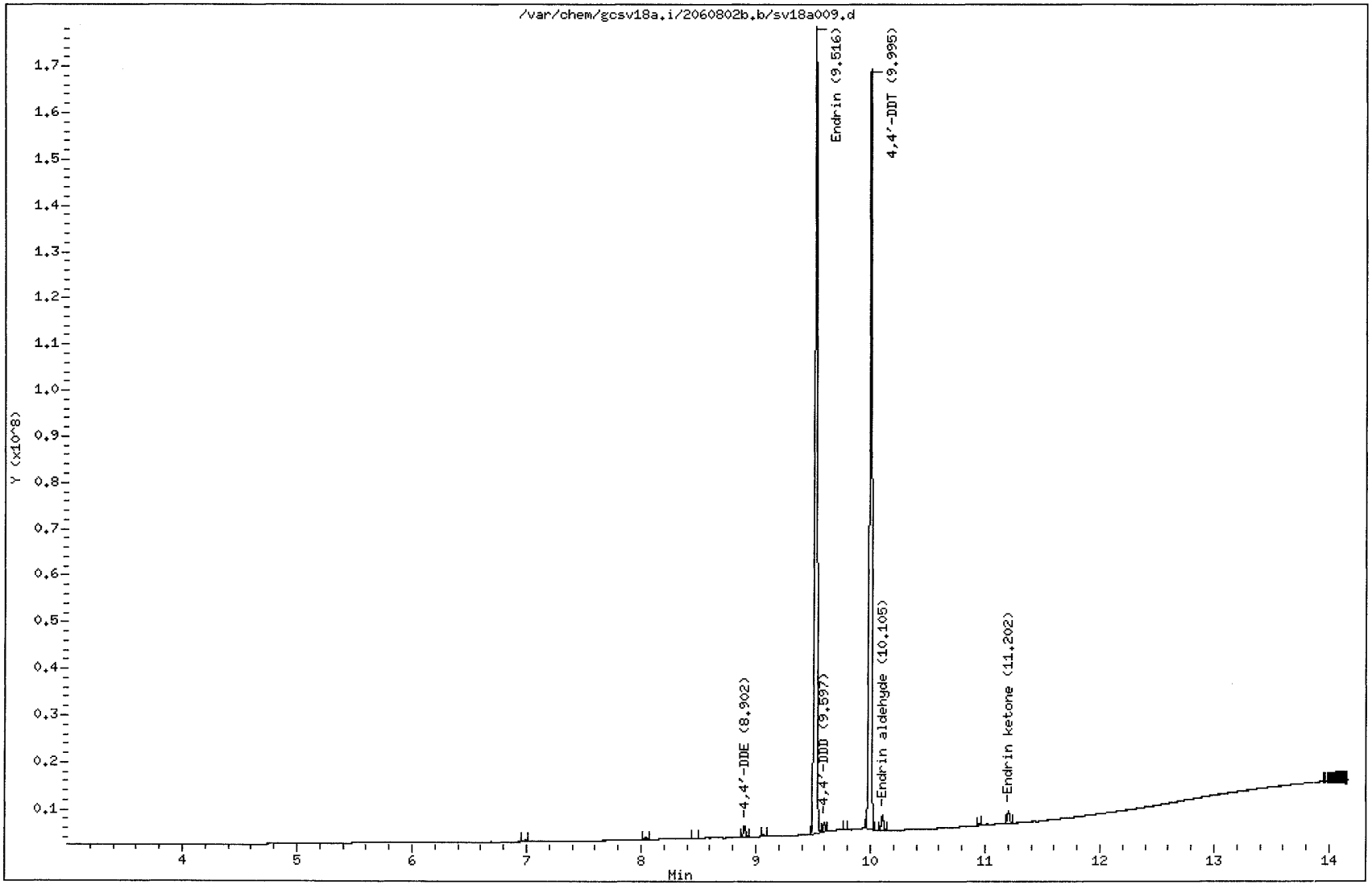
001092

167553

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a009.d
Date : 02-AUG-2006 19:31
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001093



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a010.d
Report Date: 04-Aug-2006 09:13

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a010.d
Lab Smp Id: 1206
Inj Date : 02-AUG-2006 19:50
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1206*1 2.5
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:13 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 00:31 Cal File: sv18a025.d
Als bottle: 10 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	4.687	4.688	-0.001	12276661	2.50000	3.1
2	alpha-BHC	5.812	5.812	0.000	15024524	2.50000	2.8
3	gamma-BHC (Lindane)	6.403	6.403	0.000	13271792	2.50000	2.9
6	beta-BHC	6.502	6.502	0.000	6887990	2.50000	3.4
4	Heptachlor	6.987	6.989	-0.002	10267930	2.50000	2.5
7	delta-BHC	7.024	7.024	0.000	10041686	2.50000	2.4
5	Aldrin	7.464	7.463	0.001	11720166	2.50000	2.9
8	Heptachlor epoxide	8.194	8.194	0.000	10958484	2.50000	2.9
10	gamma-Chlordane	8.448	8.449	-0.001	10586119	2.50000	2.9
11	alpha-Chlordane	8.646	8.648	-0.002	7024636	2.50000	2.1
9	Endosulfan I	8.686	8.686	0.000	6669750	2.50000	2.0
12	4,4'-DDE	8.900	8.900	0.000	21045348	5.00000	5.6
13	Dieldrin	9.071	9.071	0.000	21548468	5.00000	5.5

001094

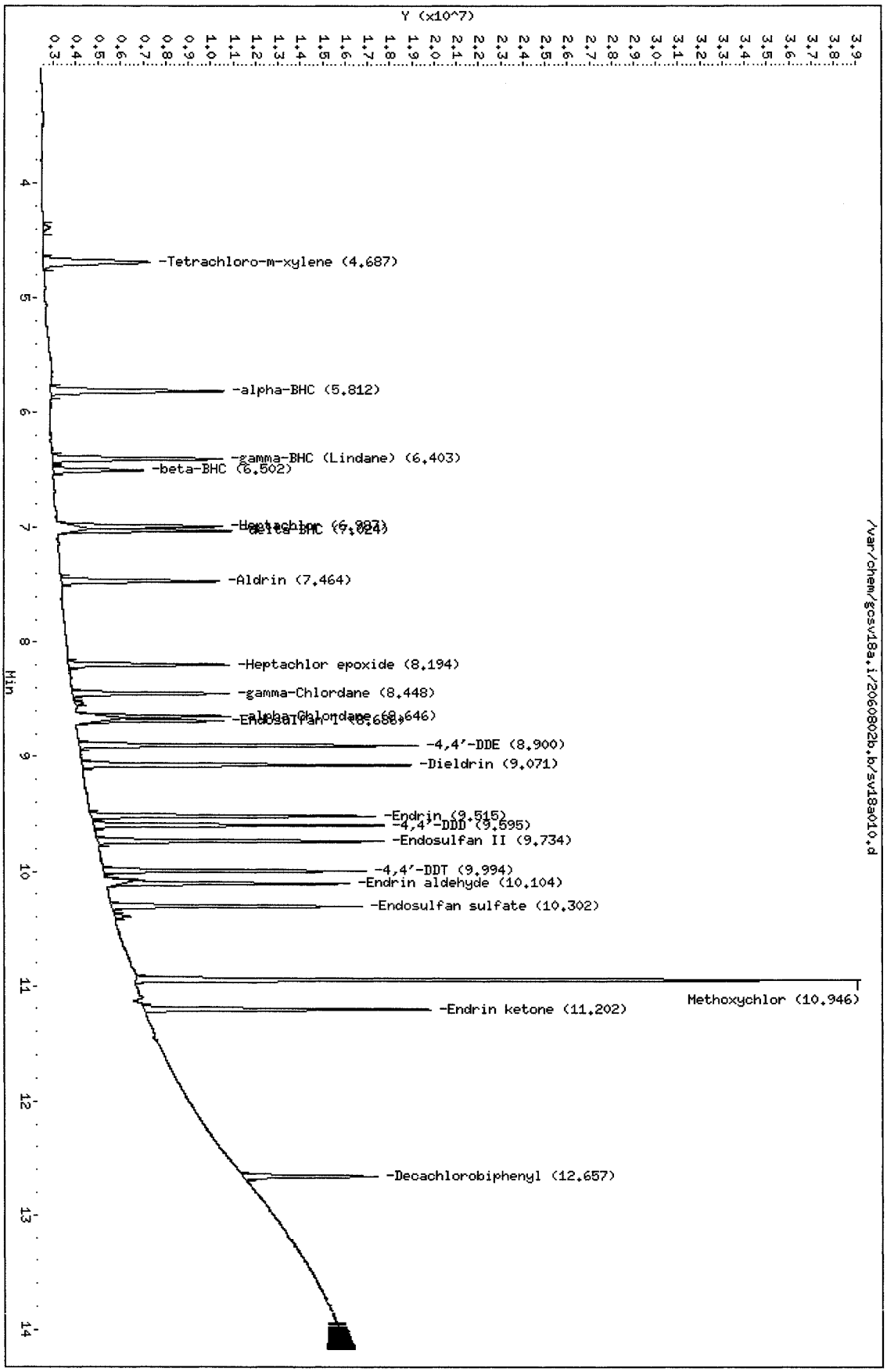
167555

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a010.d
Report Date: 04-Aug-2006 09:13

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.515	9.516	-0.001	18384304	5.00000	5.7
	15 4,4'-DDD	9.595	9.596	-0.001	17656548	5.00000	5.5
	16 Endosulfan II	9.734	9.733	0.001	18425545	5.00000	5.6
	17 4,4'-DDT	9.994	9.994	0.000	15927336	5.00000	5.6
	18 Endrin aldehyde	10.104	10.102	0.002	13395017	5.00000	5.0
	20 Endosulfan sulfate	10.302	10.302	0.000	15943334	5.00000	5.7
	19 Methoxychlor	10.946	10.948	-0.002	43419432	25.0000	28
	21 Endrin ketone	11.202	11.201	0.001	18278950	5.00000	5.6
$	22 Decachlorobiphenyl	12.657	12.657	0.000	8713190	2.50000	3.0

001095

167556



Data File: /var/chem/gcsv18a.i/20060802b.b/sv18a010.d
Date : 02-AUG-2006 19:50
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

001096

167557

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a011.d
Report Date: 04-Aug-2006 09:14

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a011.d
Lab Smp Id: 1201
Inj Date : 02-AUG-2006 20:09
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 5
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:13 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 00:49 Cal File: sv18a026.d
Als bottle: 11 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	4.686	4.688	-0.002	20776605	5.00000	5.3
2	alpha-BHC	5.813	5.812	0.001	25536864	5.00000	4.8
3	gamma-BHC (Lindane)	6.403	6.403	0.000	22822971	5.00000	5.1
6	beta-BHC	6.502	6.502	0.000	11513211	5.00000	5.6
4	Heptachlor	6.988	6.989	-0.001	18452981	5.00000	4.6
7	delta-BHC	7.024	7.024	0.000	18423651	5.00000	4.4
5	Aldrin	7.465	7.463	0.002	20375851	5.00000	5.0
8	Heptachlor epoxide	8.195	8.194	0.001	18835334	5.00000	5.1
10	gamma-Chlordane	8.449	8.449	0.000	18442532	5.00000	5.0
11	alpha-Chlordane	8.647	8.648	-0.001	17742824	5.00000	5.2(M)
9	Endosulfan I	8.685	8.686	-0.001	17471776	5.00000	5.2(M)
12	4,4'-DDE	8.900	8.900	0.000	37084700	10.0000	9.8
13	Dieldrin	9.071	9.071	0.000	38081241	10.0000	9.8

001097

167558

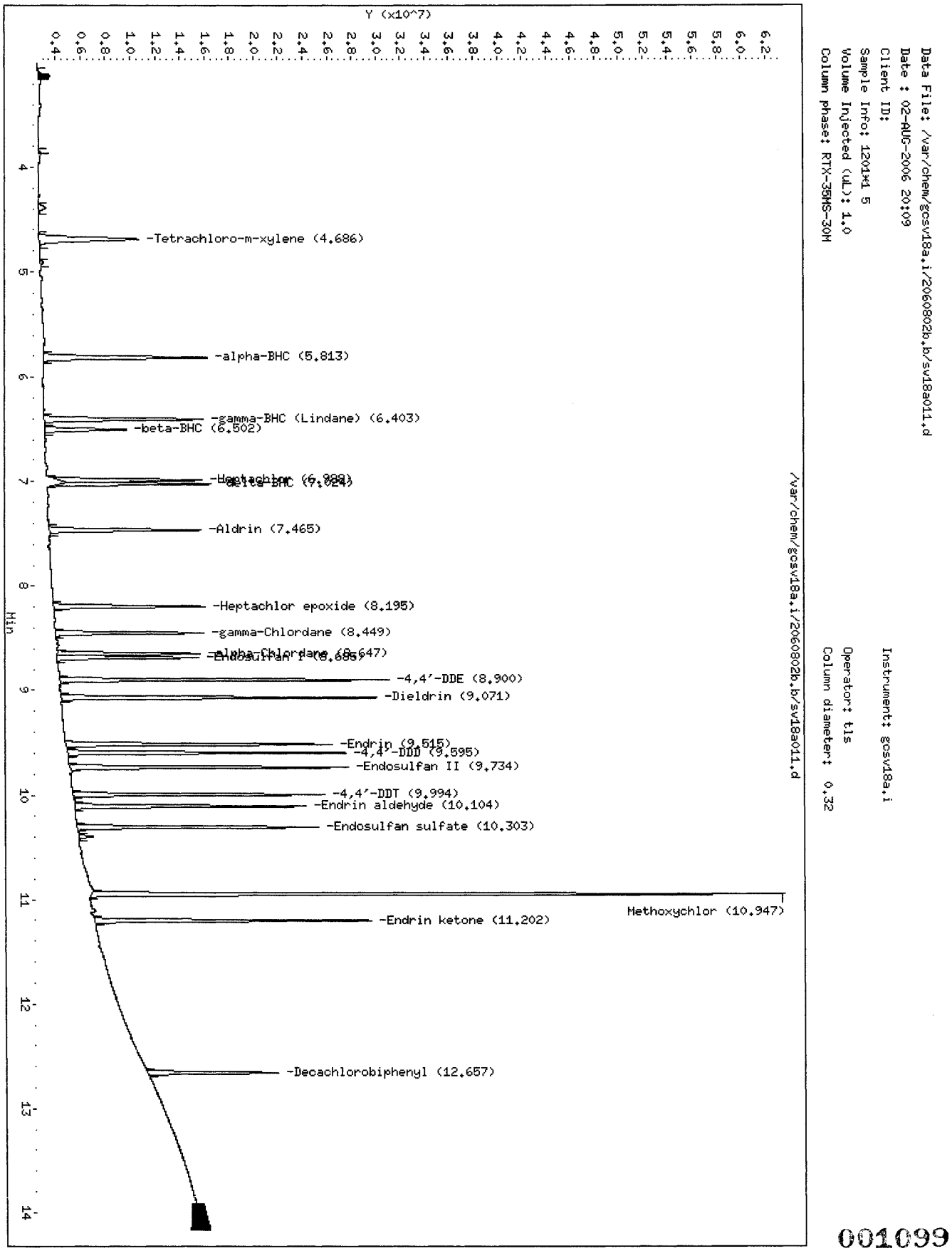
Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a011.d
Report Date: 04-Aug-2006 09:14

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.515	9.516	-0.001	31560169	10.0000	9.8
15 4,4'-DDD	9.595	9.596	-0.001	31116825	10.0000	9.8
16 Endosulfan II	9.734	9.733	0.001	31985333	10.0000	9.8
17 4,4'-DDT	9.994	9.994	0.000	27867704	10.0000	9.8
18 Endrin aldehyde	10.104	10.102	0.002	26793464	10.0000	10
20 Endosulfan sulfate	10.303	10.302	0.001	27685575	10.0000	9.8
19 Methoxychlor	10.947	10.948	-0.001	76174725	50.0000	49
21 Endrin ketone	11.202	11.201	0.001	32297624	10.0000	9.9
$ 22 Decachlorobiphenyl	12.657	12.657	0.000	14792816	5.00000	5.1

QC Flag Legend

M - Compound response manually integrated.

167559



001099

167560

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a012.d
Report Date: 04-Aug-2006 09:14

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a012.d
Lab Smp Id: 1202
Inj Date : 02-AUG-2006 20:28
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1202*1 20
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:14 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:08 Cal File: sv18a027.d
Als bottle: 12 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	4.687	4.688	-0.001	81359872	20.0000	21
2	alpha-BHC	5.814	5.812	0.002	104882271	20.0000	20
3	gamma-BHC (Lindane)	6.405	6.403	0.002	91869884	20.0000	20
6	beta-BHC	6.504	6.502	0.002	42084286	20.0000	21
4	Heptachlor	6.989	6.989	0.000	82244510	20.0000	20
7	delta-BHC	7.026	7.024	0.002	85001871	20.0000	20
5	Aldrin	7.465	7.463	0.002	83036678	20.0000	20
8	Heptachlor epoxide	8.196	8.194	0.002	75498251	20.0000	20
10	gamma-Chlordane	8.450	8.449	0.001	74415174	20.0000	20
11	alpha-Chlordane	8.648	8.648	0.000	65527629	20.0000	19
9	Endosulfan I	8.687	8.686	0.001	64861272	20.0000	19
12	4,4'-DDE	8.902	8.901	0.001	152994562	40.0000	40
13	Dieldrin	9.072	9.071	0.001	157522180	40.0000	40

001100

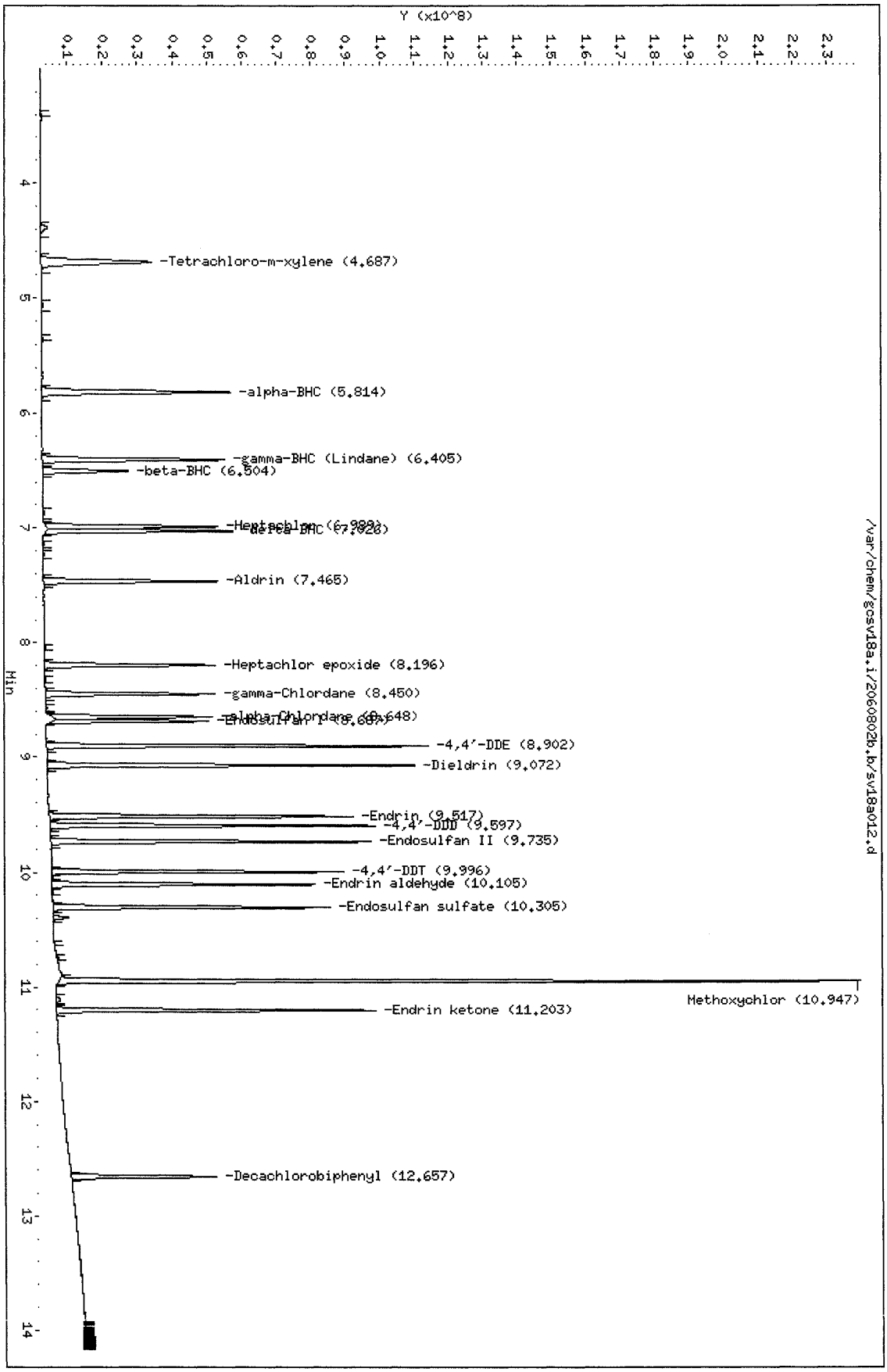
167561

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a012.d
Report Date: 04-Aug-2006 09:14

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.517	9.516	0.001	129200506	40.0000	40
	15 4,4'-DDD	9.597	9.596	0.001	128407697	40.0000	40
	16 Endosulfan II	9.735	9.733	0.002	132284198	40.0000	40
	17 4,4'-DDT	9.996	9.993	0.003	115485142	40.0000	40
	18 Endrin aldehyde	10.105	10.103	0.002	108049852	40.0000	40
	20 Endosulfan sulfate	10.305	10.302	0.003	113239617	40.0000	40
	19 Methoxychlor	10.947	10.948	-0.001	310777518	200.000	200
	21 Endrin ketone	11.203	11.201	0.002	131863997	40.0000	40
$	22 Decachlorobiphenyl	12.657	12.657	0.000	59194755	20.0000	20

001101

167562



Data File: /var/chem/gcsv18a.i/20060802b.b/sv18a012.d
Date : 02-AUG-2006 20:28
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

001102

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a013.d
Report Date: 04-Aug-2006 09:14

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a013.d
Lab Smp Id: 1203
Inj Date : 02-AUG-2006 20:47
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 60
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:14 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 13 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	4.687	4.688	-0.001	231182025	60.0000	59
2	alpha-BHC	5.812	5.812	0.000	307955149	60.0000	58
3	gamma-BHC (Lindane)	6.403	6.402	0.001	267729433	60.0000	59
6	beta-BHC	6.502	6.502	0.000	117739230	60.0000	58
4	Heptachlor	6.987	6.988	-0.001	247737297	60.0000	61
7	delta-BHC	7.024	7.024	0.000	258150199	60.0000	62
5	Aldrin	7.464	7.463	0.001	244832880	60.0000	60
8	Heptachlor epoxide	8.194	8.194	0.000	222387495	60.0000	60
10	gamma-Chlordane	8.447	8.449	-0.002	219535567	60.0000	60
11	alpha-Chlordane	8.647	8.648	-0.001	202272378	60.0000	59
9	Endosulfan I	8.685	8.686	-0.001	201712902	60.0000	60
12	4,4'-DDE	8.900	8.900	0.000	455801764	120.000	120
13	Dieldrin	9.071	9.071	0.000	470006514	120.000	120

001103

167564

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a013.d
Report Date: 04-Aug-2006 09:14

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.515	9.516	-0.001	384644460	120.000	120
	15 4,4'-DDD	9.596	9.596	0.000	383654813	120.000	120
	16 Endosulfan II	9.734	9.733	0.001	393819139	120.000	120
	17 4,4'-DDT	9.994	9.994	0.000	340928270	120.000	120
	18 Endrin aldehyde	10.103	10.103	0.000	319395019	120.000	120
	20 Endosulfan sulfate	10.303	10.302	0.001	337660929	120.000	120
	19 Methoxychlor	10.947	10.948	-0.001	938513354	600.000	600
	21 Endrin ketone	11.202	11.201	0.001	389806660	120.000	120
$	22 Decachlorobiphenyl	12.656	12.657	-0.001	172465478	60.0000	59

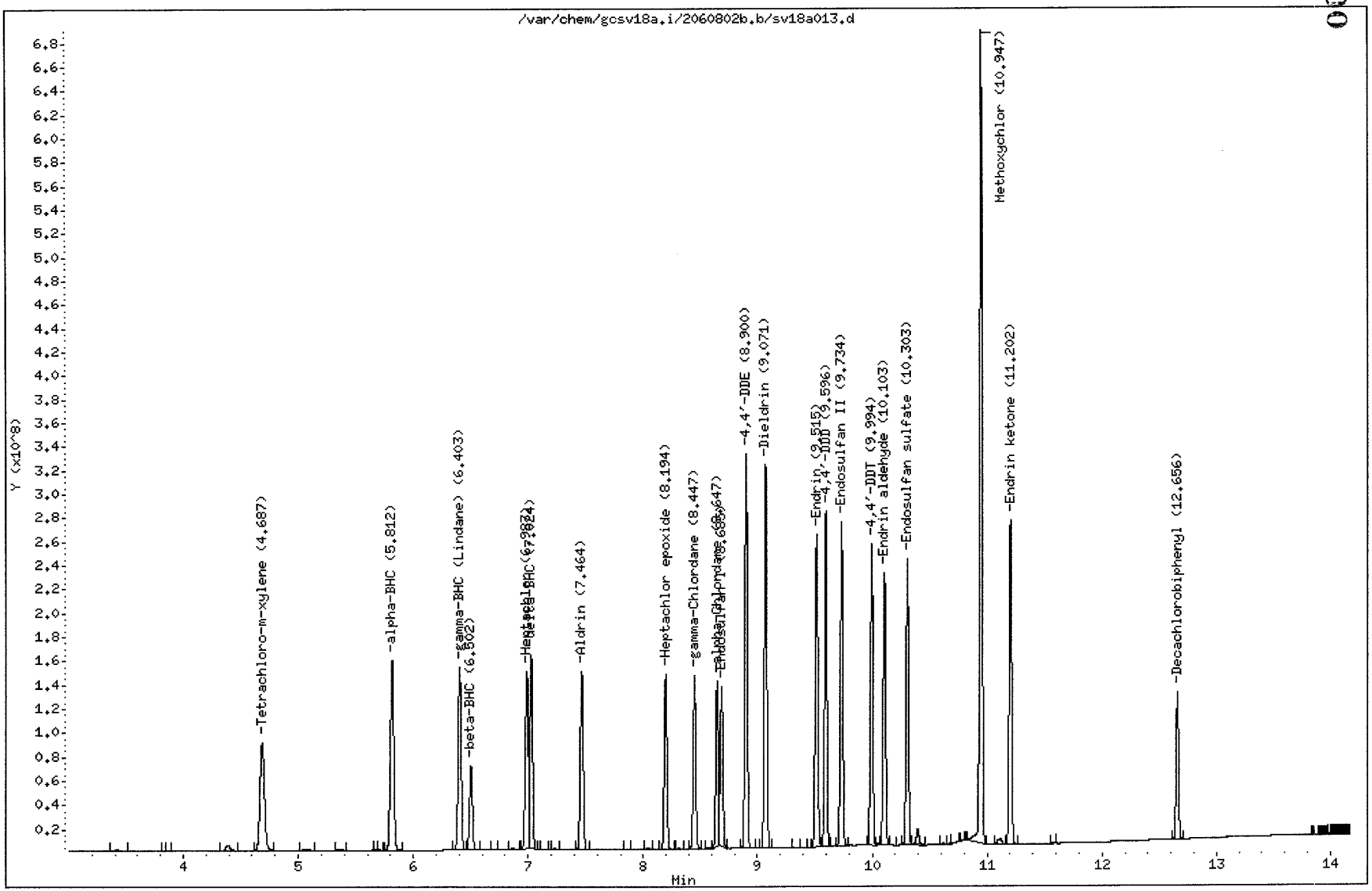
001104

167565

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a013.d
Date : 02-AUG-2006 20:47
Client ID:
Sample Info: 1203x1 60
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001105



167566

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a014.d
Report Date: 04-Aug-2006 09:14

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a014.d
Lab Smp Id: 1204
Inj Date : 02-AUG-2006 21:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1204*1 80
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:14 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:45 Cal File: sv18a029.d
Als bottle: 14 Calibration Sample, Level: 4
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	4.686	4.688	-0.002	305482288	80.0000	78
2 alpha-BHC	5.812	5.812	0.000	409772810	80.0000	78
3 gamma-BHC (Lindane)	6.403	6.402	0.001	357991205	80.0000	80
6 beta-BHC	6.501	6.502	-0.001	156069168	80.0000	76
4 Heptachlor	6.987	6.988	-0.001	333055040	80.0000	83
7 delta-BHC	7.024	7.024	0.000	346118865	80.0000	83
5 Aldrin	7.464	7.463	0.001	327104027	80.0000	80
8 Heptachlor epoxide	8.194	8.194	0.000	296946347	80.0000	80
10 gamma-Chlordane	8.448	8.449	-0.001	293155720	80.0000	80
11 alpha-Chlordane	8.647	8.648	-0.001	274938291	80.0000	81
9 Endosulfan I	8.686	8.686	0.000	269035188	80.0000	80
12 4,4'-DDE	8.901	8.900	0.001	611455979	160.000	160
13 Dieldrin	9.071	9.071	0.000	630731135	160.000	160

001106

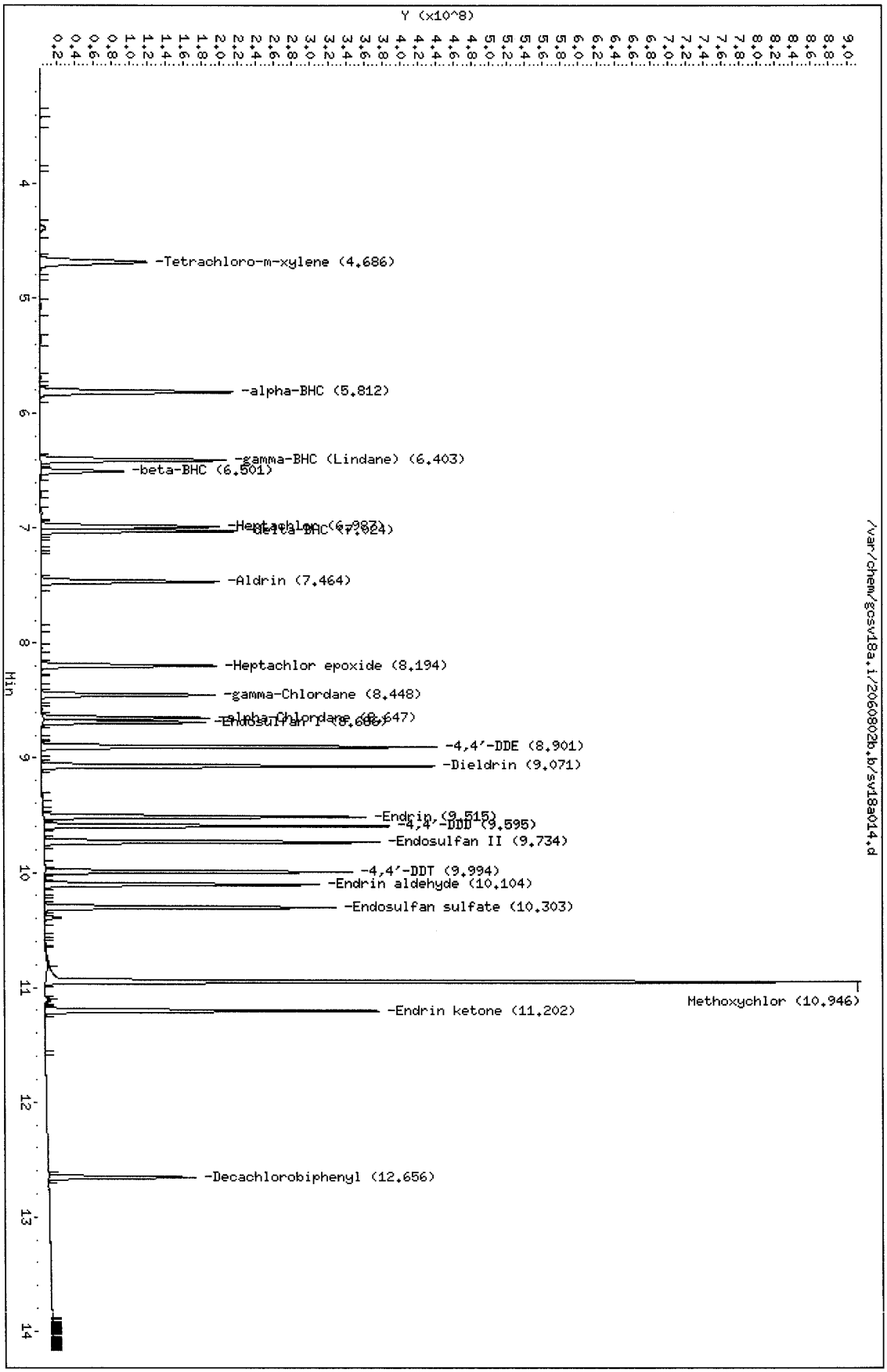
167567

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a014.d
Report Date: 04-Aug-2006 09:14

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.515	9.516	-0.001	517011901	160.000	160
	15 4,4'-DDD	9.595	9.596	-0.001	516085928	160.000	160
	16 Endosulfan II	9.734	9.733	0.001	529624217	160.000	160
	17 4,4'-DDT	9.994	9.994	0.000	462064088	160.000	160
	18 Endrin aldehyde	10.104	10.103	0.001	429073902	160.000	160
	20 Endosulfan sulfate	10.303	10.302	0.001	454820943	160.000	160
	19 Methoxychlor	10.946	10.948	-0.002	1277745333	800.000	820
	21 Endrin ketone	11.202	11.202	0.000	524350753	160.000	160
$	22 Decachlorobiphenyl	12.656	12.657	-0.001	229704847	80.0000	79

001107

167568



Data File: /var/chem/gcsv18a.i/20060802b.b/sv18a014.d
Date : 02-AUG-2006 21:06
Client ID:
Sample Info: 1204x1 80
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001108

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a015.d
Report Date: 04-Aug-2006 09:14

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a015.d
Lab Smp Id: 1205
Inj Date : 02-AUG-2006 21:24
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-31-2
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:14 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 15 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	4.686	4.687	-0.001	368483167	100.000	94
2 alpha-BHC	5.812	5.812	0.000	506192416	100.000	96
3 gamma-BHC (Lindane)	6.403	6.402	0.001	441713437	100.000	98
6 beta-BHC	6.502	6.502	0.000	191371170	100.000	93
4 Heptachlor	6.987	6.988	-0.001	408955706	100.000	100(A)
7 delta-BHC	7.025	7.024	0.001	429190129	100.000	100(A)
5 Aldrin	7.464	7.463	0.001	403742087	100.000	99
8 Heptachlor epoxide	8.195	8.194	0.001	367332422	100.000	99
10 gamma-Chlordane	8.448	8.449	-0.001	362677464	100.000	99
11 alpha-Chlordane	8.647	8.648	-0.001	339131629	100.000	100
9 Endosulfan I	8.685	8.687	-0.002	334397382	100.000	99
12 4,4'-DDE	8.900	8.900	0.000	758055818	200.000	200(A)
13 Dieldrin	9.071	9.071	0.000	781835928	200.000	200(A)

001109

167570

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a015.d
Report Date: 04-Aug-2006 09:14

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.515	9.516	-0.001	651112206	200.000	200(A)
	15 4,4'-DDD	9.595	9.596	-0.001	640897647	200.000	200(A)
	16 Endosulfan II	9.734	9.733	0.001	657181184	200.000	200(A)
	17 4,4'-DDT	9.995	9.994	0.001	572032592	200.000	200(A)
	18 Endrin aldehyde	10.104	10.103	0.001	526000137	200.000	200
	20 Endosulfan sulfate	10.304	10.302	0.002	563610094	200.000	200(A)
	19 Methoxychlor	10.947	10.948	-0.001	1588942230	1000.00	1000(A)
	21 Endrin ketone	11.202	11.202	0.000	648006206	200.000	200
$	22 Decachlorobiphenyl	12.655	12.657	-0.002	284246990	100.000	98

QC Flag Legend

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

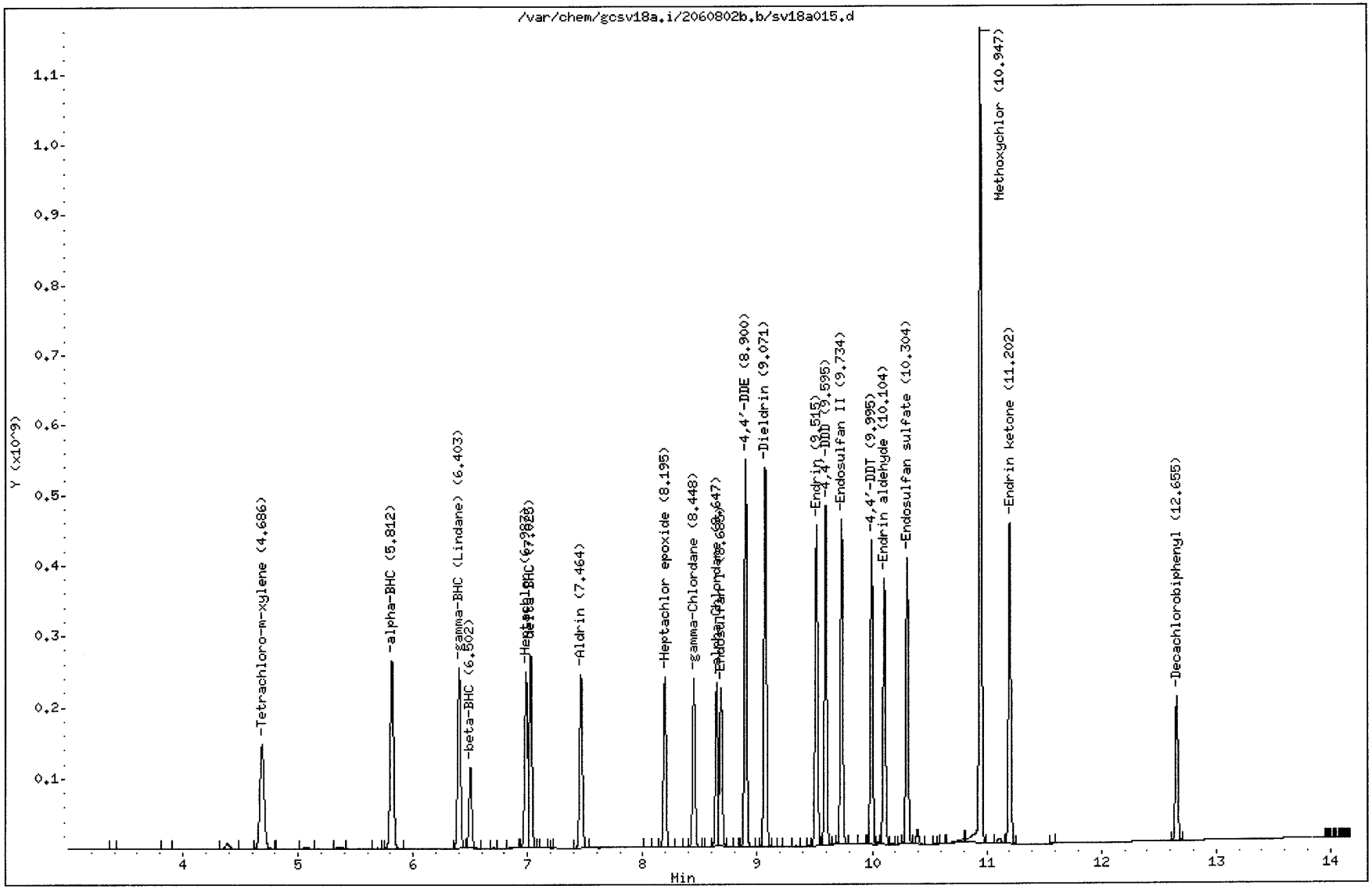
001110

167571

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a015.d
Date : 02-AUG-2006 21:24
Client ID:
Sample Info: 1205*1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001111



167572

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a017.d
Report Date: 24-Aug-2006 14:34

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a017.d
Lab Smp Id: 1205
Inj Date : 02-AUG-2006 22:02
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-14-7
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				436807134	400.000	400
	69 CHLORDANE-PEAK1	6.747	6.748	-0.001	63115833	400.000	400
	70 CHLORDANE-PEAK2	6.987	6.988	-0.001	77906739	400.000	400
	71 CHLORDANE-PEAK3	8.448	8.449	-0.001	158313391	400.000	400
	72 CHLORDANE-PEAK4	8.647	8.648	-0.001	137471171	400.000	400

001112

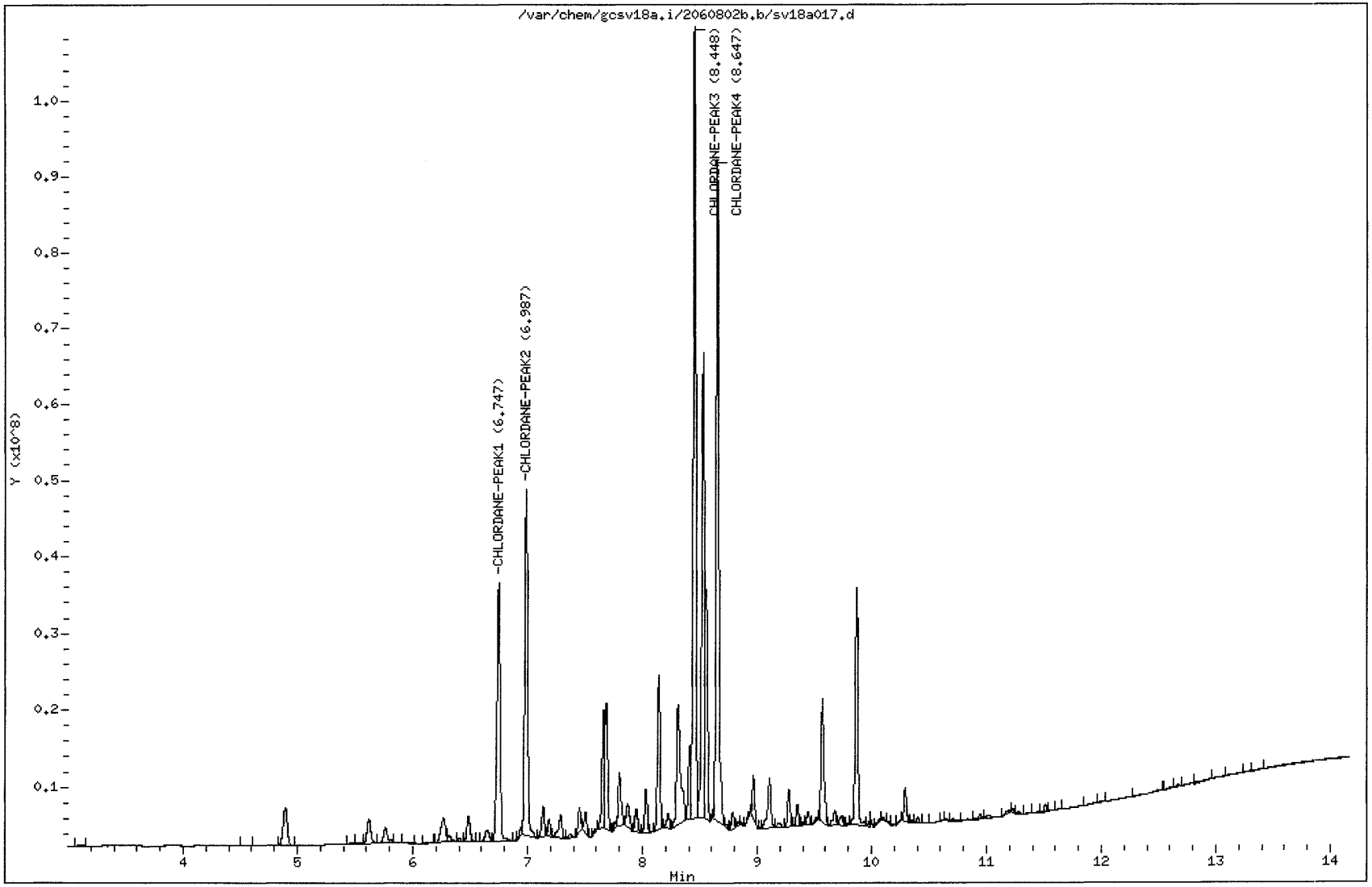
167573

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a017.d
Date : 02-AUG-2006 22:02
Client ID:
Sample Info: 1205x1 65-14-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001113



167574

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a018.d
Report Date: 04-Aug-2006 09:14

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a018.d
Lab Smp Id: 1201
Inj Date : 02-AUG-2006 22:20
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 65-28-4
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:14 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 00:49 Cal File: sv18a026.d
Als bottle: 18 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				58363394	250.000	140
	63 TOXAPHENE-PEAK1	9.304	9.302	0.002	12190640	250.000	150
	64 TOXAPHENE-PEAK2	9.824	9.822	0.002	16197304	250.000	140
	65 TOXAPHENE-PEAK3	10.392	10.391	0.001	18590878	250.000	140
	66 TOXAPHENE-PEAK4	11.308	11.309	-0.001	11384572	250.000	140

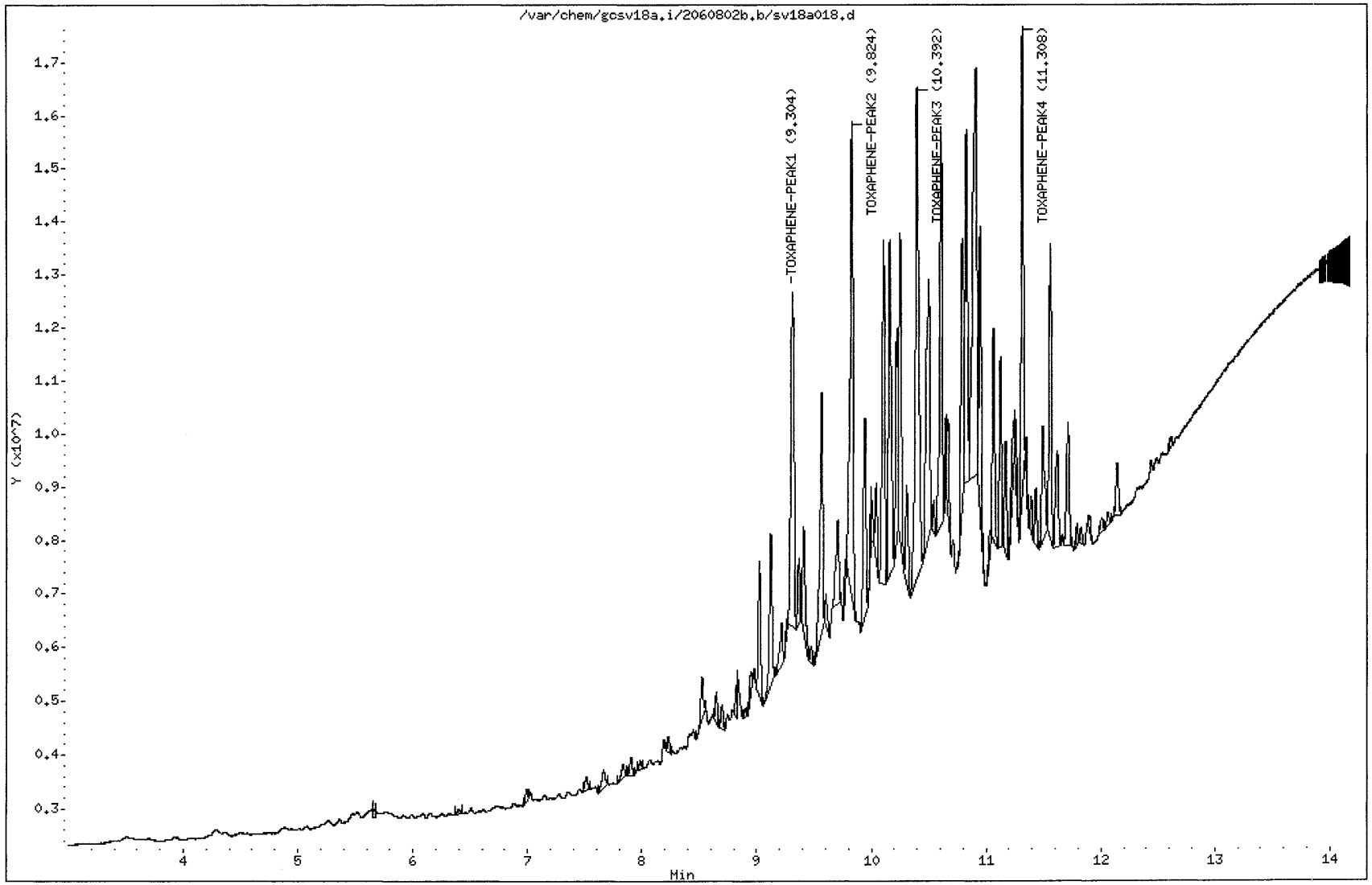
167575

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a018.d
Date : 02-AUG-2006 22:20
Client ID:
Sample Info: 1201*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001115



167576

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a019.d
Report Date: 24-Aug-2006 14:34

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a019.d
Lab Smp Id: 1205
Inj Date : 02-AUG-2006 22:39
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-28-4
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 19 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	62 TOXAPHENE-AVG				2065044525	5000.00	5000
	63 TOXAPHENE-PEAK1	9.304	9.303	0.001	394838565	5000.00	5000
	64 TOXAPHENE-PEAK2	9.824	9.823	0.001	570788561	5000.00	5000
	65 TOXAPHENE-PEAK3	10.393	10.392	0.001	680752733	5000.00	5000
	66 TOXAPHENE-PEAK4	11.309	11.309	0.000	418664666	5000.00	5000

001116

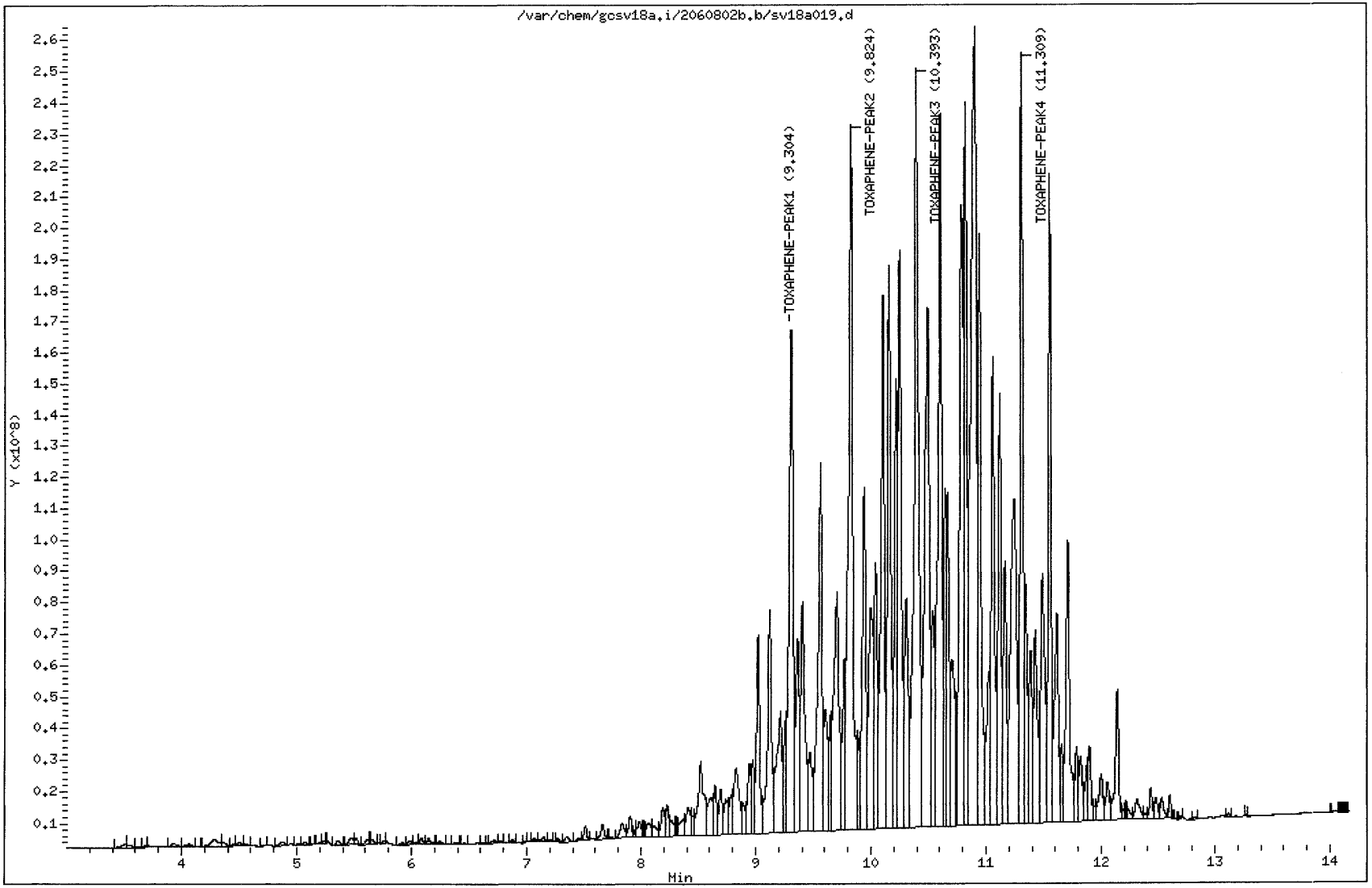
167577

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a019.d
Date : 02-AUG-2006 22:39
Client ID:
Sample Info: 1205*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001117



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a016.d
Report Date: 03-Aug-2006 07:57

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2060802b
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/2060802b.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	63	104.27	85-115
3 gamma-BHC (Lindane)	60	64	106.90	85-115
6 beta-BHC	60	61	102.47	85-115
4 Heptachlor	60	65	107.51	85-115
7 delta-BHC	60	66	110.08	85-115
5 Aldrin	60	64	106.66	85-115
8 Heptachlor epoxide	60	64	106.03	85-115
10 gamma-Chlordane	60	63	104.53	85-115
11 alpha-Chlordane	60	63	105.03	85-115
9 Endosulfan I	60	63	105.41	85-115
12 4,4'-DDE	60	63	104.36	85-115
13 Dieldrin	60	63	105.79	85-115
14 Endrin	60	64	106.16	85-115
15 4,4'-DDD	60	63	105.02	85-115
16 Endosulfan II	60	62	103.90	85-115
17 4,4'-DDT	60	62	103.66	85-115
18 Endrin aldehyde	60	58	97.48	85-115
20 Endosulfan sulfate	60	63	105.41	85-115
19 Methoxychlor	60	62	103.50	85-115
21 Endrin ketone	60	64	106.77	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

001118

167579

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a016.d
Report Date: 03-Aug-2006 07:57

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a016.d
Lab Smp Id: 1600
Inj Date : 02-AUG-2006 21:43
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1600*1 65-21-6
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 03-Aug-2006 07:57 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 00:49 Cal File: sv18a026.d
Als bottle: 16 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	5.812	5.812	0.000	330316506	62.5640	63
3 gamma-BHC (Lindane)	6.403	6.402	0.001	288797718	64.1423	64
6 beta-BHC	6.501	6.501	0.000	125835844	61.4808	61
4 Heptachlor	6.987	6.988	-0.001	260414603	64.5085	65
7 delta-BHC	7.025	7.024	0.001	275499435	66.0489	66
5 Aldrin	7.464	7.463	0.001	261533327	63.9954	64
8 Heptachlor epoxide	8.195	8.194	0.001	237083230	63.6172	64
10 gamma-Chlordane	8.448	8.449	-0.001	230295780	62.7187	63
11 alpha-Chlordane	8.647	8.648	-0.001	214564312	63.0175	63
9 Endosulfan I	8.685	8.686	-0.001	212589305	63.2472	63
12 4,4'-DDE	8.900	8.900	0.000	237236237	62.6166	63
13 Dieldrin	9.070	9.071	-0.001	247737222	63.4763	63
14 Endrin	9.515	9.516	-0.001	204828474	63.6972	64

001119

167580

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a016.d
Report Date: 03-Aug-2006 07:57

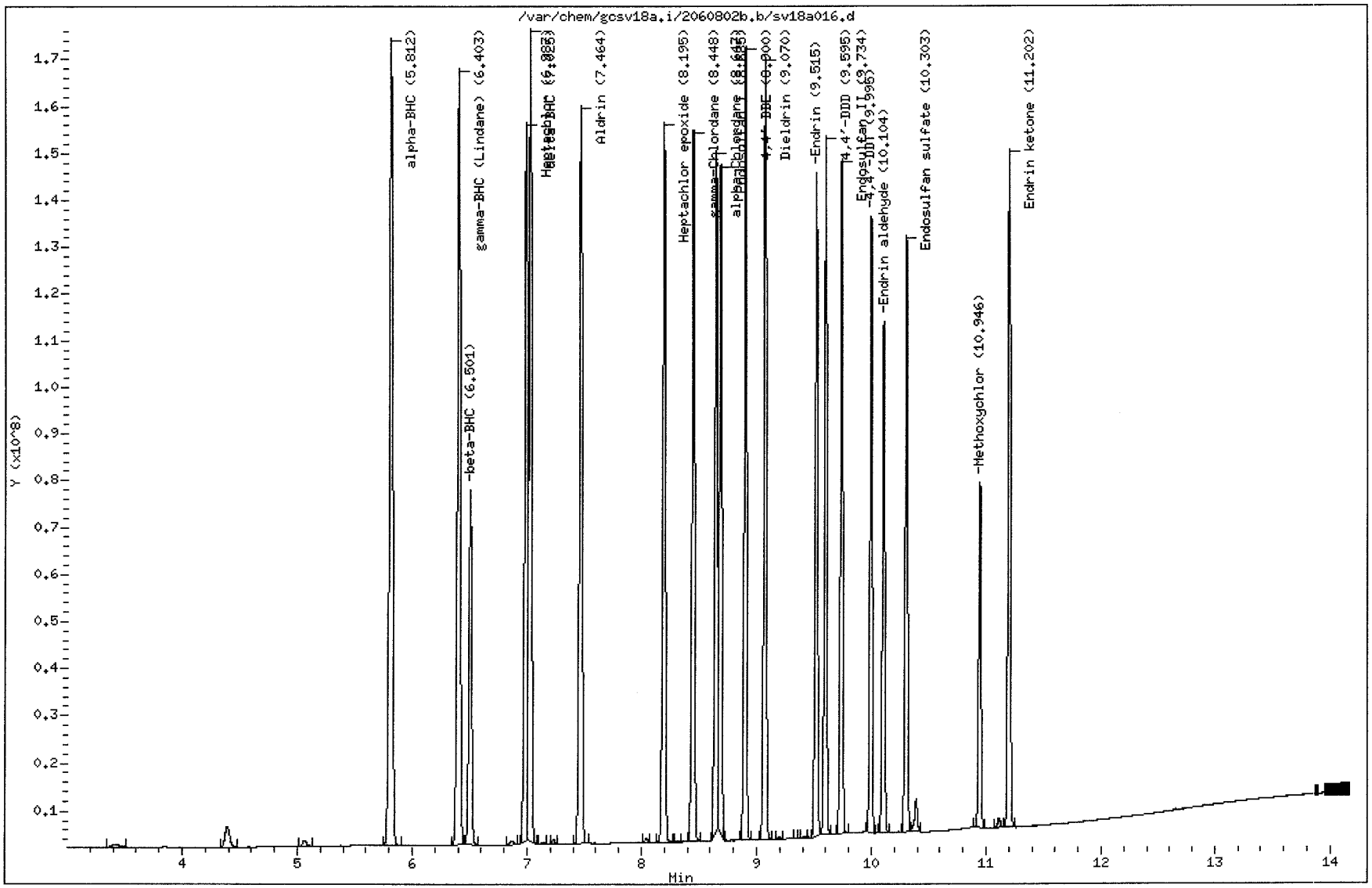
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
15 4,4'-DDD	9.595	9.596	-0.001	200987190	63.0092	63
16 Endosulfan II	9.734	9.733	0.001	204265573	62.3387	62
17 4,4'-DDT	9.995	9.994	0.001	177417596	62.1949	62
18 Endrin aldehyde	10.104	10.102	0.002	156203959	58.4861	58
20 Endosulfan sulfate	10.303	10.302	0.001	178030128	63.2476	63
19 Methoxychlor	10.946	10.948	-0.002	97215443	62.0971	62
21 Endrin ketone	11.202	11.201	0.001	208743734	64.0634	64

167581

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a016.d
Date : 02-AUG-2006 21:43
Client ID:
Sample Info: 1600x1 65-21-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001121



167582

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

$$\frac{3085024 + 2544406}{3085024 + 2544406 + 253198533} \times 100 = 2.2\ \%$$

DDT Breakdown: Criteria < 15%

==========

Endrin Breakdown: Formula

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

Endrin Breakdown: Calculation

$$\frac{4281049 + 3423478}{4281049 + 3423478 + 267007644} \times 100 = 2.8\ \%$$

Endrin Breakdown: Criteria < 15%

001122

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a001.d
Report Date: 11-Aug-2006 15:39

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a001.d
Lab Smp Id: deg
Inj Date : 11-AUG-2006 10:21
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-31-3
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 11-Aug-2006 15:26 smh Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.892	8.899	-0.007	2544406	0.67158	0.0034
15 4,4'-DDD	9.589	9.595	-0.006	3085024	0.96715	0.0048
17 4,4'-DDT	9.983	9.992	-0.009	253198533	88.7604	0.44
18 Endrin aldehyde	10.094	10.101	-0.007	3423478	1.28182	0.0064
21 Endrin ketone	11.190	11.193	-0.003	4281049	1.31385	0.0066
14 Endrin	9.501	9.514	-0.013	267007644	83.0336	0.42

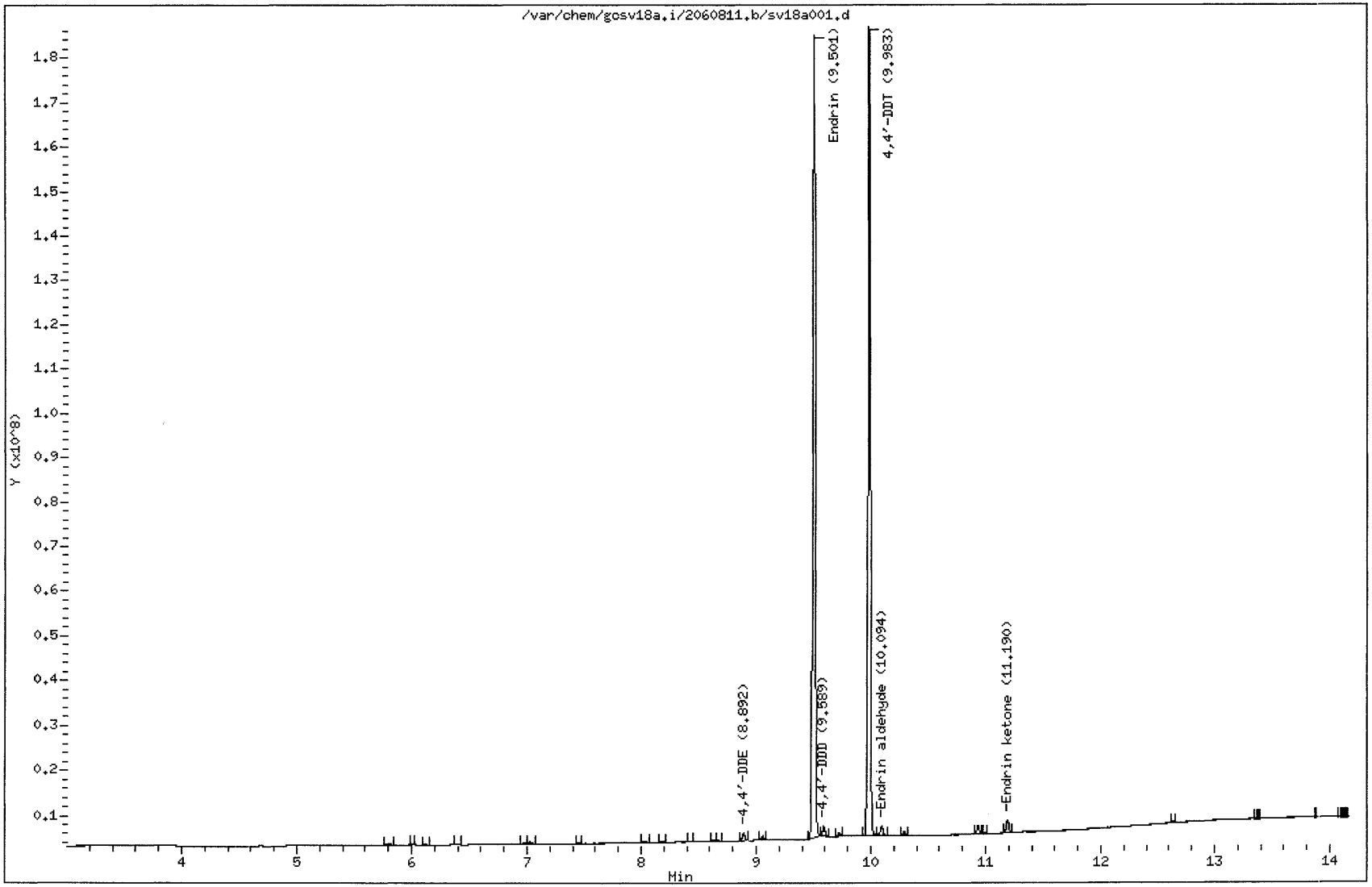
001123

167584

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a001.d
Date : 11-AUG-2006 10:21
Client ID:
Sample Info: deg*1 65-31-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001124



Data File: /var/chem/gcsv18a.i/2060811.b/sv18a002.d
Report Date: 14-Aug-2006 07:38

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 11-AUG-2006 10:40
Lab File ID: sv18a002.d Init. Cal. Date(s): 02-AUG-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 19:50 02:04
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2060811.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	3915942	3903729	0.010	0.31186	15.00000	Averaged
2 alpha-BHC	5279661	5332657	0.010	-1.00378	15.00000	Averaged
3 gamma-BHC (Lindane)	4502454	4655259	0.010	-3.39382	15.00000	Averaged
6 beta-BHC	2046751	2046824	0.010	-0.00359	15.00000	Averaged
4 Heptachlor	4036904	4131466	0.010	-2.34243	15.00000	Averaged
7 delta-BHC	4171143	4453788	0.010	-6.77621	15.00000	Averaged
5 Aldrin	4086755	4256519	0.010	-4.15402	15.00000	Averaged
8 Heptachlor epoxide	3726718	3857714	0.010	-3.51503	15.00000	Averaged
10 gamma-Chlordane	3671882	3810682	0.010	-3.78006	15.00000	Averaged
11 alpha-Chlordane	3404839	3569715	0.010	-4.84237	15.00000	Averaged
9 Endosulfan I	3361243	3544785	0.010	-5.46056	15.00000	Averaged
12 4,4'-DDE	3788712	3892638	0.010	-2.74304	15.00000	Averaged
13 Dieldrin	3902830	4028852	0.010	-3.22901	15.00000	Averaged
14 Endrin	3215657	3422092	0.010	-6.41968	15.00000	Averaged
15 4,4'-DDD	3189805	3253288	0.010	-1.99020	15.00000	Averaged
16 Endosulfan II	3276704	3343660	0.010	-2.04338	15.00000	Averaged
17 4,4'-DDT	2852606	3250975	0.010	-13.96507	15.00000	Averaged
18 Endrin aldehyde	2670786	2495866	0.010	6.54940	15.00000	Averaged
20 Endosulfan sulfate	2814814	2910353	0.010	-3.39415	15.00000	Averaged
19 Methoxychlor	1565539	1720001	0.010	-9.86638	15.00000	Averaged
21 Endrin ketone	3258395	3592069	0.010	-10.24046	15.00000	Averaged
$ 22 Decachlorobiphenyl	2901301	2938888	0.010	-1.29551	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.42364
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001125

167586

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a002.d
Report Date: 14-Aug-2006 07:38

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a002.d
Lab Smp Id: 1400
Inj Date : 11-AUG-2006 10:40
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-31-2
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:38 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.684	4.687	-0.003	234223761	60.0000	60
2	alpha-BHC	5.804	5.810	-0.006	319959424	60.0000	61
3	gamma-BHC (Lindane)	6.394	6.401	-0.007	279315539	60.0000	62
6	beta-BHC	6.504	6.505	-0.001	122809447	60.0000	60
4	Heptachlor	6.972	6.986	-0.014	247887951	60.0000	61
7	delta-BHC	7.024	7.024	0.000	267227302	60.0000	64
5	Aldrin	7.449	7.461	-0.012	255391146	60.0000	62
8	Heptachlor epoxide	8.179	8.191	-0.012	231462815	60.0000	62
10	gamma-Chlordane	8.434	8.446	-0.012	228640916	60.0000	62
11	alpha-Chlordane	8.632	8.645	-0.013	214182872	60.0000	63
9	Endosulfan I	8.672	8.675	-0.003	212687128	60.0000	63
12	4,4'-DDE	8.889	8.898	-0.009	467116592	120.000	120
13	Dieldrin	9.055	9.068	-0.013	483462290	120.000	120

091126

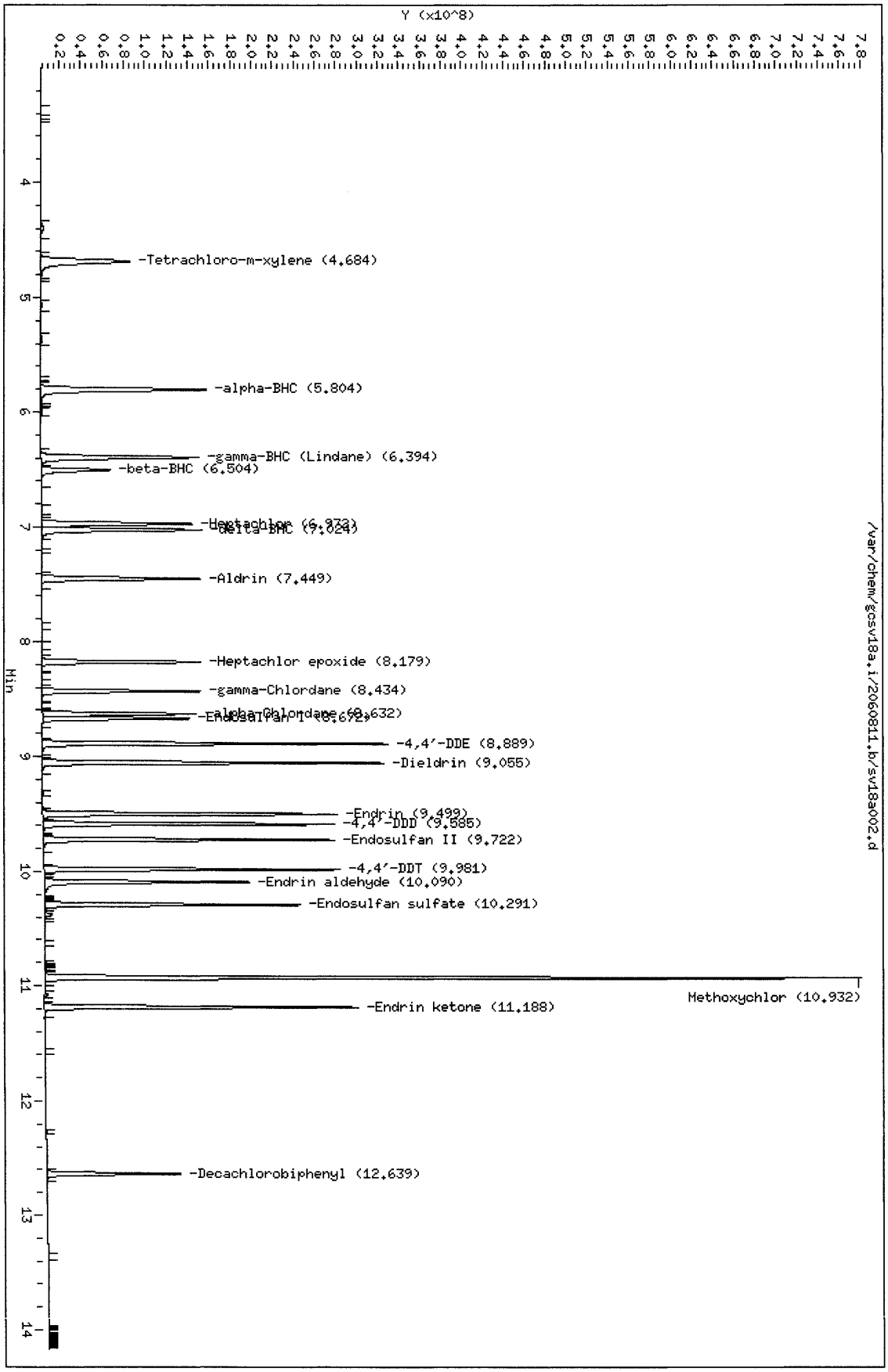
167587

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a002.d
Report Date: 14-Aug-2006 07:38

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.499	9.513	-0.014	410651044	120.000	130
15	4,4'-DDD	9.585	9.594	-0.009	390394572	120.000	120
16	Endosulfan II	9.722	9.731	-0.009	401239183	120.000	120
17	4,4'-DDT	9.981	9.992	-0.011	390116957	120.000	140
18	Endrin aldehyde	10.090	10.101	-0.011	299503869	120.000	110
20	Endosulfan sulfate	10.291	10.300	-0.009	349242377	120.000	120
19	Methoxychlor	10.932	10.945	-0.013	1032000562	600.000	660
21	Endrin ketone	11.188	11.193	-0.005	431048336	120.000	130
$ 22	Decachlorobiphenyl	12.639	12.654	-0.015	176333271	60.0000	61

091127

167588



Data File: /var/chem/gcsv18a.i/2060811.b/sv18a002.d
Date : 11-AUG-2006 10:40
Client ID:
Sample Info: 1400ml 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001128

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a014.d
Report Date: 14-Aug-2006 07:38

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 11-AUG-2006 14:51
Lab File ID: sv18a014.d Init. Cal. Date(s): 02-AUG-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 19:50 02:04
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2060811.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	3915942	3958380	0.010	-1.08373	15.00000	Averaged
2 alpha-BHC	5279661	5316531	0.010	-0.69834	15.00000	Averaged
3 gamma-BHC (Lindane)	4502454	4574044	0.010	-1.59001	15.00000	Averaged
6 beta-BHC	2046751	1951443	0.010	4.65655	15.00000	Averaged
4 Heptachlor	4036904	3881867	0.010	3.84051	15.00000	Averaged
7 delta-BHC	4171143	4385250	0.010	-5.13305	15.00000	Averaged
5 Aldrin	4086755	4168403	0.010	-1.99789	15.00000	Averaged
8 Heptachlor epoxide	3726718	3764537	0.010	-1.01481	15.00000	Averaged
10 gamma-Chlordane	3671882	3687134	0.010	-0.41535	15.00000	Averaged
11 alpha-Chlordane	3404839	3450396	0.010	-1.33799	15.00000	Averaged
9 Endosulfan I	3361243	3399278	0.010	-1.13157	15.00000	Averaged
12 4,4'-DDE	3788712	3806246	0.010	-0.46278	15.00000	Averaged
13 Dieldrin	3902830	3952488	0.010	-1.27235	15.00000	Averaged
14 Endrin	3215657	3304104	0.010	-2.75050	15.00000	Averaged
15 4,4'-DDD	3189805	3243244	0.010	-1.67532	15.00000	Averaged
16 Endosulfan II	3276704	3263755	0.010	0.39520	15.00000	Averaged
17 4,4'-DDT	2852606	2994518	0.010	-4.97482	15.00000	Averaged
18 Endrin aldehyde	2670786	2403821	0.010	9.99575	15.00000	Averaged
20 Endosulfan sulfate	2814814	2826744	0.010	-0.42383	15.00000	Averaged
19 Methoxychlor	1565539	1601140	0.010	-2.27404	15.00000	Averaged
21 Endrin ketone	3258395	3521896	0.010	-8.08683	15.00000	Averaged
$ 22 Decachlorobiphenyl	2901301	3116705	0.010	-7.42439	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 2.84707
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001129

167590

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a014.d
Report Date: 14-Aug-2006 07:38

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a014.d
Lab Smp Id: 1400
Inj Date : 11-AUG-2006 14:51
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-31-2
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:38 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 14 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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.674	4.685	-0.011	237502792	60.0000	61
2	alpha-BHC	5.800	5.810	-0.010	318991849	60.0000	60
3	gamma-BHC (Lindane)	6.392	6.401	-0.009	274442611	60.0000	61
6	beta-BHC	6.500	6.505	-0.005	117086567	60.0000	57
4	Heptachlor	6.971	6.985	-0.014	232911997	60.0000	58
7	delta-BHC	7.020	7.024	-0.004	263114985	60.0000	63
5	Aldrin	7.447	7.460	-0.013	250104202	60.0000	61
8	Heptachlor epoxide	8.178	8.191	-0.013	225872231	60.0000	61
10	gamma-Chlordane	8.434	8.446	-0.012	221228011	60.0000	60
11	alpha-Chlordane	8.631	8.645	-0.014	207023745	60.0000	61
9	Endosulfan I	8.670	8.675	-0.005	203956653	60.0000	61
12	4,4'-DDE	8.887	8.898	-0.011	456749470	120.000	120
13	Dieldrin	9.055	9.068	-0.013	474298510	120.000	120

001130

167591

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a014.d
Report Date: 14-Aug-2006 07:38

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.500	9.513	-0.013	396492464	120.000	120
15 4,4'-DDD	9.585	9.594	-0.009	389189284	120.000	120
16 Endosulfan II	9.721	9.731	-0.010	391650573	120.000	120
17 4,4'-DDT	9.980	9.991	-0.011	359342187	120.000	130
18 Endrin aldehyde	10.090	10.101	-0.011	288458507	120.000	110
20 Endosulfan sulfate	10.291	10.300	-0.009	339209279	120.000	120
19 Methoxychlor	10.932	10.945	-0.013	960683944	600.000	610
21 Endrin ketone	11.187	11.193	-0.006	422627486	120.000	130
$ 22 Decachlorobiphenyl	12.640	12.655	-0.015	187002311	60.0000	64

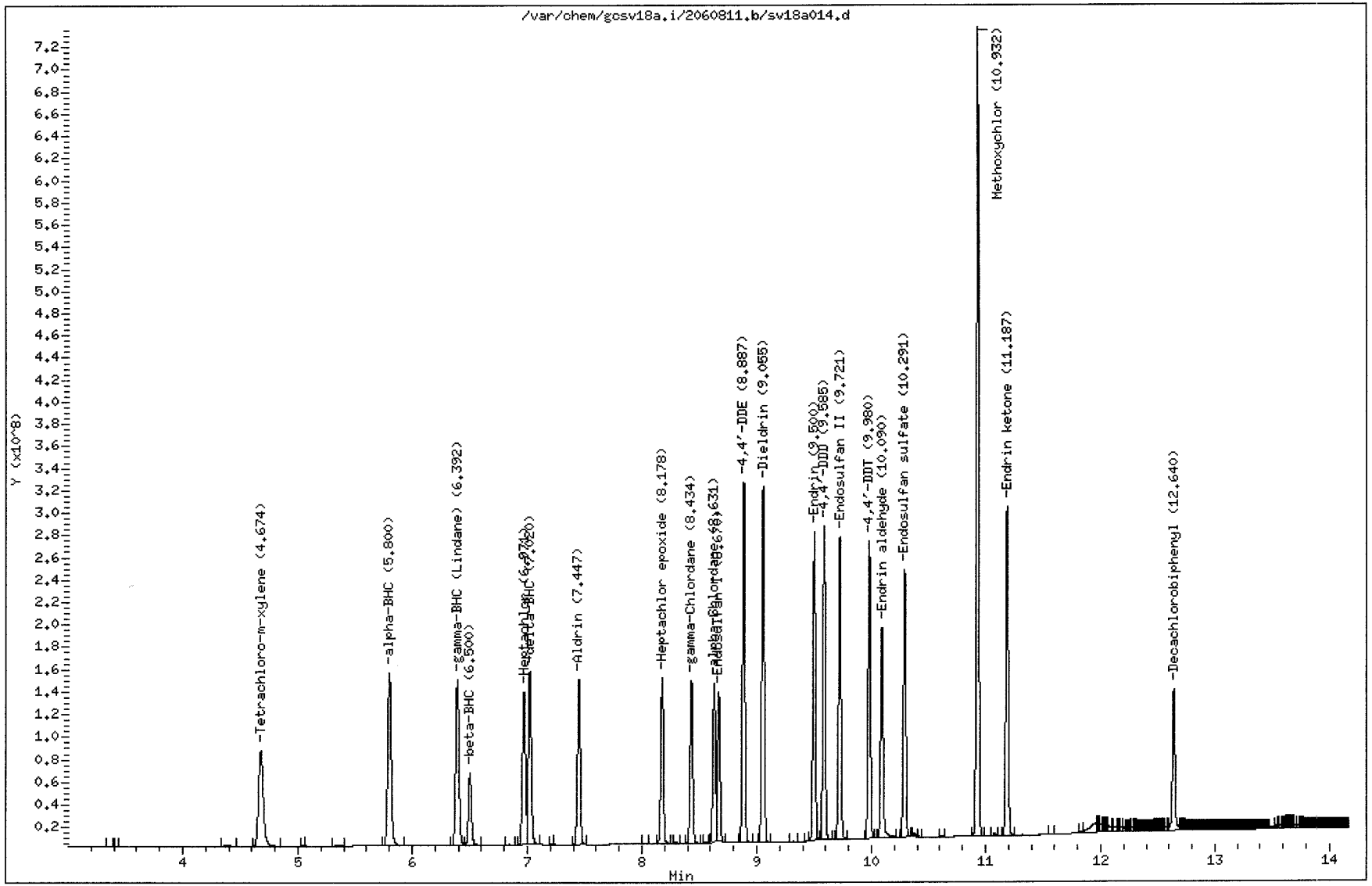
001131

167592

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a014.d
Date : 11-AUG-2006 14:51
Client ID:
Sample Info: 1400x1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001132



167593

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 329583 Analytical Batch: 329857

CONCENTRATION UNITS: *mg/L*

Sample ID: MB397839
Contract:
SAS No.: SDG No.: 206080431
Lab Sample ID: 397839
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1207
Dilution Factor: 1 Analyst: TLS
Prep Method: 3510C
Analytical Method: SW-846 8081
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2060807/SV16A004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.0000250	U	0.000002	0.000025
319-85-7	beta-BHC	0.0000250	U	0.000004	0.000025
319-86-8	delta-BHC	0.0000250	U	0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.0000250	U	0.000007	0.000025
959-98-8	Endosulfan I	0.0000250	U	0.000002	0.000025
72-55-9	4,4'-DDE	0.0000500	U	0.000005	0.000050
33213-65-9	Endosulfan II	0.0000500	U	0.000007	0.000050
72-54-8	4,4'-DDD	0.0000500	U	0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.0000500	U	0.000002	0.000050
72-43-5	Methoxychlor	0.000250	U	0.000002	0.000250
53494-70-5	Endrin ketone	0.0000500	U	0.000004	0.000050
7421-93-4	Endrin aldehyde	0.0000500	U	0.000004	0.000050
5103-71-9	alpha-Chlordane	0.0000250	U	0.000002	0.000025
5103-74-2	gamma-Chlordane	0.0000250	U	0.000005	0.000025
8001-35-2	Toxaphene	0.00250	U	0.000275	0.00250
58-89-9	gamma-BHC (Lindane)	0.0000250	U	0.000002	0.000025
76-44-8	Heptachlor	0.0000250	U	0.000004	0.000025
309-00-2	Aldrin	0.0000250	U	0.000002	0.000025
60-57-1	Dieldrin	0.0000500	U	0.000004	0.000050
72-20-8	Endrin	0.0000500	U	0.000008	0.000050
50-29-3	4,4'-DDT	0.0000500	U	0.000005	0.000050

001133

167594

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a004.d
Report Date: 09-Aug-2006 11:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a004.d
Lab Smp Id: 397839
Inj Date : 07-AUG-2006 12:07
Operator : tls Inst ID: gcsv16a.i
Smp Info : 397839*1 mb w
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

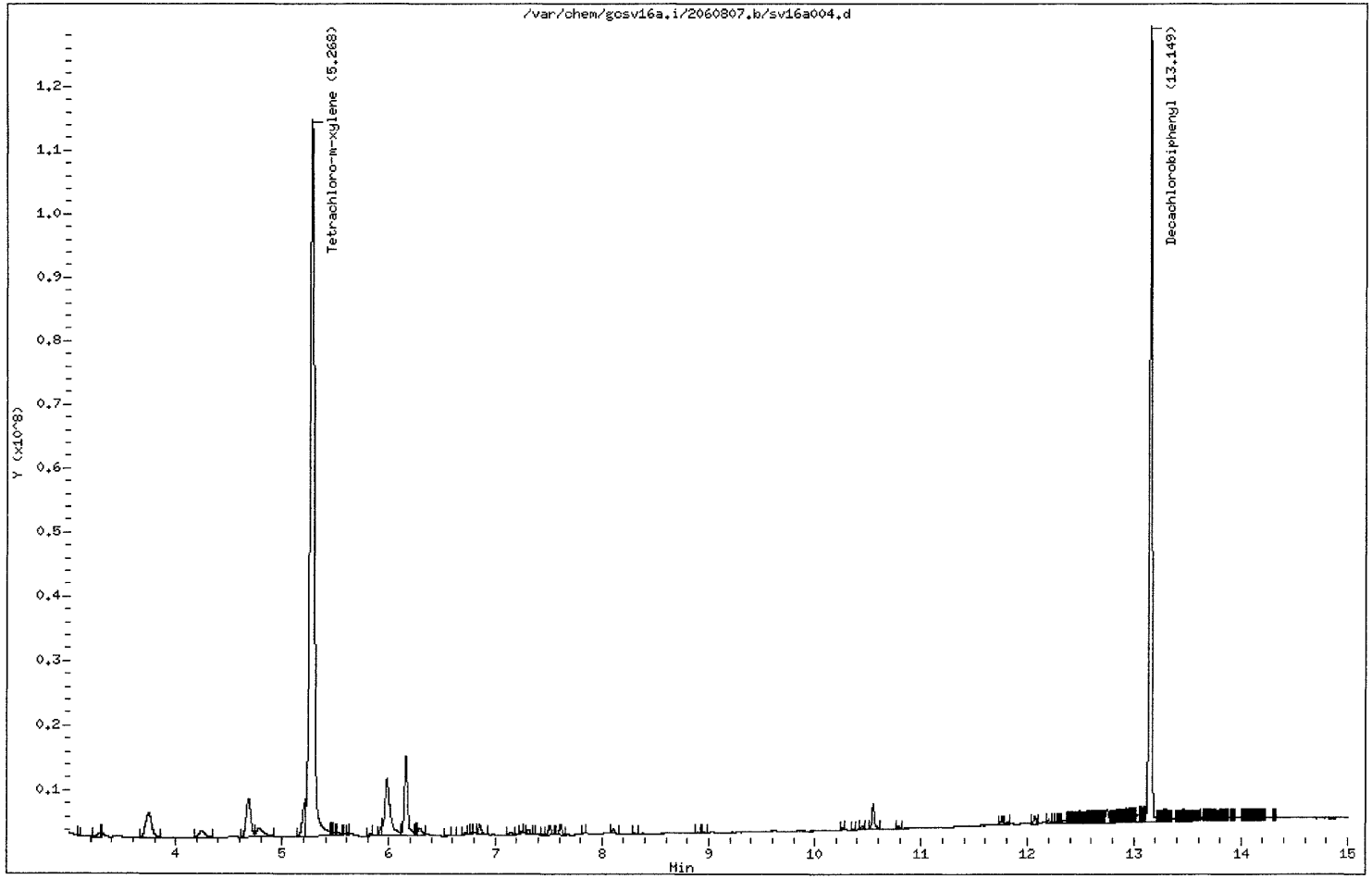
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	5.268	5.262	0.006	299606904	65.5183	0.33
$ 22 Decachlorobiphenyl	13.149	13.157	-0.008	195192225	55.9586	0.28

001134

167595

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a004.d
Date : 07-AUG-2006 12:07
Client ID:
Instrument: gcsv16a.i
Sample Info: 397839#1 mb w
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB397860

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 397860

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1144

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: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811/SV18A004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.00100	U	0.000160	0.00100
319-85-7	beta-BHC	0.00200	U	0.000270	0.00200
319-86-8	delta-BHC	0.00100	U	0.000160	0.00100
1024-57-3	Heptachlor epoxide	0.00100	U	0.000355	0.00100
959-98-8	Endosulfan I	0.00100	U	0.000170	0.00100
72-55-9	4,4'-DDE	0.00200	U	0.000325	0.00200
33213-65-9	Endosulfan II	0.00200	U	0.000280	0.00200
72-54-8	4,4'-DDD	0.00200	U	0.000235	0.00200
1031-07-8	Endosulfan sulfate	0.00200	U	0.000265	0.00200
72-43-5	Methoxychlor	0.010	U	0.000625	0.010
53494-70-5	Endrin ketone	0.00200	U	0.000420	0.00200
7421-93-4	Endrin aldehyde	0.00200	U	0.000335	0.00200
5103-71-9	alpha-Chlordane	0.00100	U	0.000180	0.00100
5103-74-2	gamma-Chlordane	0.00100	U	0.000220	0.00100
8001-35-2	Toxaphene	0.100	U	0.00469	0.100
58-89-9	gamma-BHC (Lindane)	0.00100	U	0.000315	0.00100
76-44-8	Heptachlor	0.00100	U	0.000105	0.00100
309-00-2	Aldrin	0.00100	U	0.000160	0.00100
60-57-1	Dieldrin	0.00200	U	0.000140	0.00200
72-20-8	Endrin	0.00200	U	0.000170	0.00200
50-29-3	4,4'-DDT	0.00200	U	0.000125	0.00200

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a004.d
Report Date: 14-Aug-2006 07:42

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a004.d
Lab Smp Id: 397863
Inj Date : 11-AUG-2006 11:44
Operator : tls Inst ID: gcsv18a.i
Smp Info : 397863*1 mb s
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:42 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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

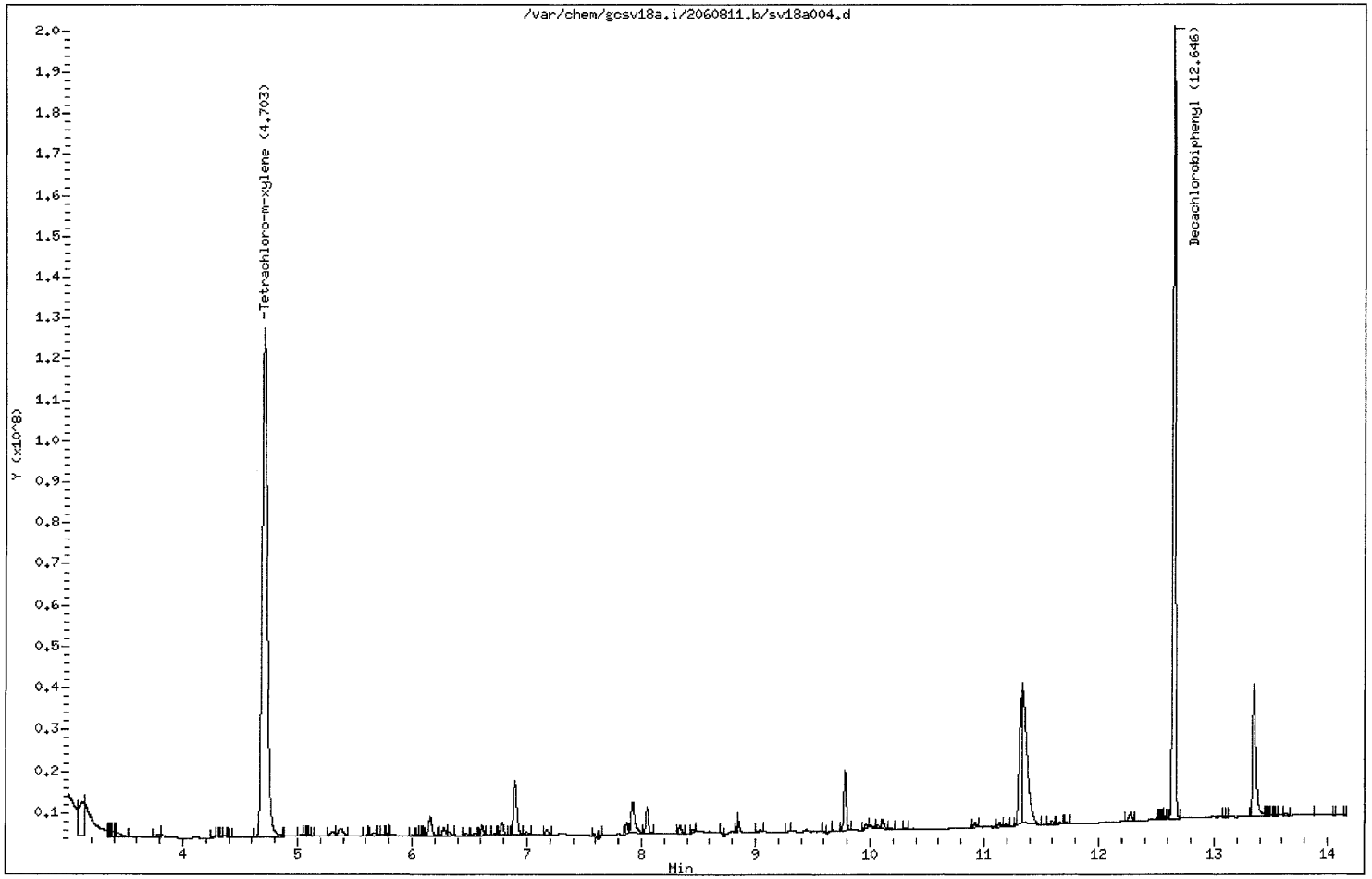
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.703	4.685	0.018	373600532	95.4050	16
$ 22 Decachlorobiphenyl	12.646	12.655	-0.009	271205682	93.4773	16

001137

167598

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a004.d
Date : 11-AUG-2006 11:44
Client ID:
Instrument: gcsv18a.i
Sample Info: 397863*1 mb s
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Water
Sample wt/vol: 1000 Units: mL
Level: (low/med) LOW
% Moisture: decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 329583 Analytical Batch: 329857

CONCENTRATION UNITS: *mg/L*

Sample ID: LCS397840
Contract:
SAS No.: SDG No.: 206080431
Lab Sample ID: 397840
Date Collected: Time:
Date Received:
Date Extracted: 08/05/06
Date Analyzed: 08/07/06 Time: 1225
Dilution Factor: 1 Analyst: TLS
Prep Method: 3510C
Analytical Method: SW-846 8081
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2060807/SV16A005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000256		0.000002	0.000025
319-85-7	beta-BHC	0.000246		0.000004	0.000025
319-86-8	delta-BHC	0.000240		0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.000241		0.000007	0.000025
959-98-8	Endosulfan I	0.000149		0.000002	0.000025
72-55-9	4,4'-DDE	0.000221		0.000005	0.000050
33213-65-9	Endosulfan II	0.000174		0.000007	0.000050
72-54-8	4,4'-DDD	0.000228		0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.000260		0.000002	0.000050
72-43-5	Methoxychlor	0.000217	J	0.000002	0.000250
53494-70-5	Endrin ketone	0.000257		0.000004	0.000050
7421-93-4	Endrin aldehyde	0.000205		0.000004	0.000050
5103-71-9	alpha-Chlordane	0.000234		0.000002	0.000025
5103-74-2	gamma-Chlordane	0.000230		0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000252		0.000002	0.000025
76-44-8	Heptachlor	0.000213		0.000004	0.000025
309-00-2	Aldrin	0.000204		0.000002	0.000025
60-57-1	Dieldrin	0.000233		0.000004	0.000050
72-20-8	Endrin	0.000264		0.000008	0.000050
50-29-3	4,4'-DDT	0.000226		0.000005	0.000050

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a005.d
Report Date: 09-Aug-2006 11:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a005.d
Lab Smp Id: 397840
Inj Date : 07-AUG-2006 12:25
Operator : tls Inst ID: gcsv16a.i
Smp Info : 397840*1 lcs
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

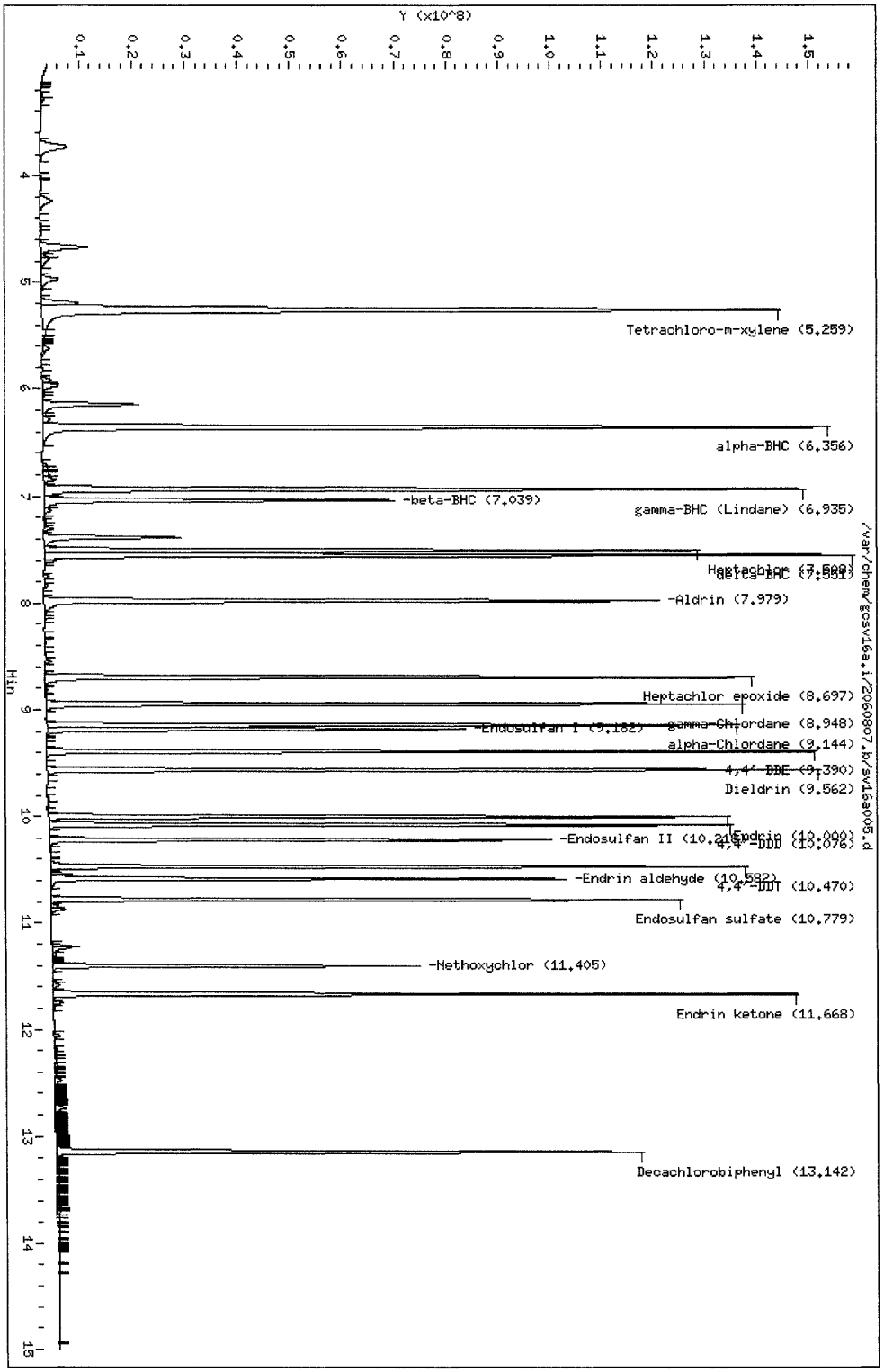
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	5.259	5.262	-0.003	378372713	82.7429	0.41
2	alpha-BHC	6.356	6.351	0.005	290570811	51.1773	0.26
3	gamma-BHC (Lindane)	6.935	6.957	-0.022	257029681	50.3071	0.25
6	beta-BHC	7.039	7.057	-0.018	115893706	49.1219	0.25
4	Heptachlor	7.508	7.527	-0.019	208173846	42.5576	0.21
7	delta-BHC	7.551	7.567	-0.016	239816316	48.0938	0.24
5	Aldrin	7.979	7.996	-0.017	197639831	40.8777	0.20
8	Heptachlor epoxide	8.697	8.710	-0.013	211800913	48.2345	0.24
10	gamma-Chlordane	8.948	8.961	-0.013	202499564	46.0020	0.23
11	alpha-Chlordane	9.144	9.157	-0.013	195250902	46.7080	0.23
9	Endosulfan I	9.182	9.197	-0.015	120310958	29.8548	0.15
12	4,4'-DDE	9.390	9.403	-0.013	203612265	44.2463	0.22
13	Dieldrin	9.562	9.576	-0.014	217630492	46.6905	0.23

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a005.d
Report Date: 09-Aug-2006 11:35

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	14 Endrin	10.000	10.016	-0.016	182904736	52.8714	0.26
	15 4,4'-DDD	10.076	10.088	-0.012	175148841	45.5500	0.23
	16 Endosulfan II	10.218	10.229	-0.011	136247832	34.8762	0.17
	17 4,4'-DDT	10.470	10.482	-0.012	177267102	45.1587	0.23
	18 Endrin aldehyde	10.582	10.595	-0.013	138648814	41.0999	0.21
	20 Endosulfan sulfate	10.779	10.789	-0.010	166498662	51.9686	0.26
	19 Methoxychlor	11.405	11.418	-0.013	91885435	43.4801	0.22
	21 Endrin ketone	11.668	11.679	-0.011	198631797	51.4982	0.26
$	22 Decachlorobiphenyl	13.142	13.157	-0.015	177010940	50.7463	0.25

167602



Data File: /var/chem/gcsv16a.i/20060807.b/sv16a005.d
Date : 07-AUG-2006 12:25
Client ID:
Sample Info: 397840*1 lcs
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001142

167603

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS397861

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 397861

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | 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: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811/SV18A005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.00765		0.000160	0.00100
319-85-7	beta-BHC	0.00802		0.000270	0.00200
319-86-8	delta-BHC	0.00840		0.000160	0.00100
1024-57-3	Heptachlor epoxide	0.00813		0.000355	0.00100
959-98-8	Endosulfan I	0.00495		0.000170	0.00100
72-55-9	4,4'-DDE	0.00808		0.000325	0.00200
33213-65-9	Endosulfan II	0.00684		0.000280	0.00200
72-54-8	4,4'-DDD	0.00798		0.000235	0.00200
1031-07-8	Endosulfan sulfate	0.00829		0.000265	0.00200
72-43-5	Methoxychlor	0.00803	J	0.000625	0.010
53494-70-5	Endrin ketone	0.00877		0.000420	0.00200
7421-93-4	Endrin aldehyde	0.00717		0.000335	0.00200
5103-71-9	alpha-Chlordane	0.00856		0.000180	0.00100
5103-74-2	gamma-Chlordane	0.00831		0.000220	0.00100
58-89-9	gamma-BHC (Lindane)	0.00805		0.000315	0.00100
76-44-8	Heptachlor	0.00759		0.000105	0.00100
309-00-2	Aldrin	0.00685		0.000160	0.00100
60-57-1	Dieldrin	0.00810		0.000140	0.00200
72-20-8	Endrin	0.00848		0.000170	0.00200
50-29-3	4,4'-DDT	0.00912		0.000125	0.00200

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a005.d
Report Date: 14-Aug-2006 07:38

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a005.d
Lab Smp Id: 397861
Inj Date : 11-AUG-2006 12:03
Operator : tls Inst ID: gcsv18a.i
Smp Info : 397861*1 lcs
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:38 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

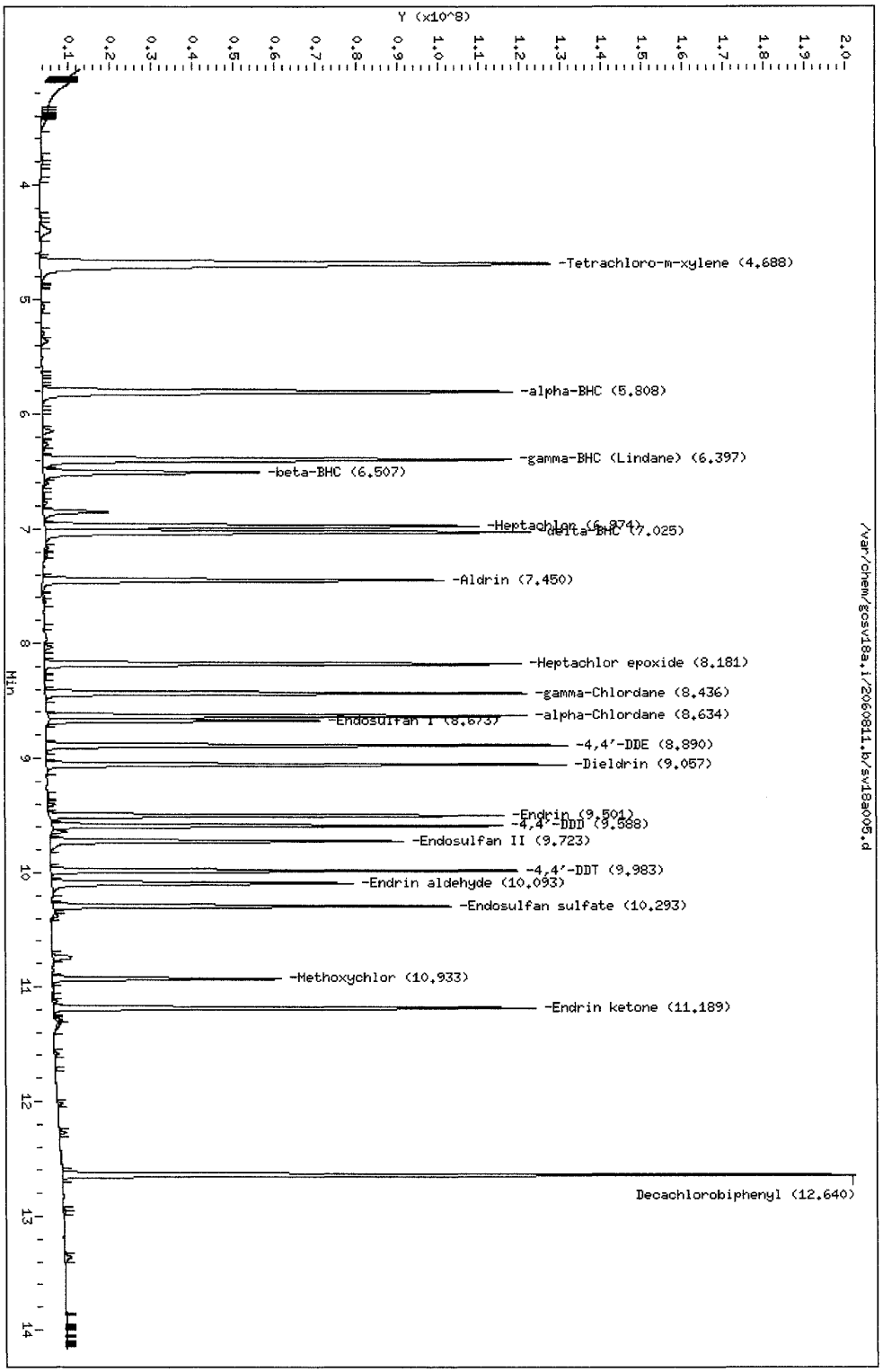
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.688	4.687	0.001	371430326	94.8508	16
2	alpha-BHC	5.808	5.810	-0.002	242218334	45.8776	7.6
3	gamma-BHC (Lindane)	6.397	6.401	-0.004	217497920	48.3065	8.1
6	beta-BHC	6.507	6.505	0.002	98514422	48.1321	8.0
4	Heptachlor	6.974	6.986	-0.012	183805250	45.5312	7.6
7	delta-BHC	7.025	7.024	0.001	210125619	50.3760	8.4
5	Aldrin	7.450	7.461	-0.011	167967150	41.1004	6.9
8	Heptachlor epoxide	8.181	8.191	-0.010	181840316	48.7937	8.1
10	gamma-Chlordane	8.436	8.446	-0.010	182996013	49.8371	8.3
11	alpha-Chlordane	8.634	8.645	-0.011	174795259	51.3373	8.6
9	Endosulfan I	8.673	8.675	-0.002	99929367	29.7299	5.0
12	4,4'-DDE	8.890	8.898	-0.008	183608701	48.4620	8.1

167605

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a005.d
Report Date: 14-Aug-2006 07:38

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
13	Dieldrin	9.057	9.068	-0.011	189654846	48.5942	8.1
14	Endrin	9.501	9.513	-0.012	163586232	50.8718	8.5
15	4,4'-DDD	9.588	9.594	-0.006	152790174	47.8995	8.0
16	Endosulfan II	9.723	9.731	-0.008	134451057	41.0324	6.8
17	4,4'-DDT	9.983	9.992	-0.009	156060225	54.7079	9.1
18	Endrin aldehyde	10.093	10.101	-0.008	114897515	43.0201	7.2
20	Endosulfan sulfate	10.293	10.300	-0.007	140024154	49.7454	8.3
19	Methoxychlor	10.933	10.945	-0.012	75464092	48.2033	8.0
21	Endrin ketone	11.189	11.193	-0.004	171539654	52.6454	8.8
$ 22	Decachlorobiphenyl	12.640	12.654	-0.014	272305328	93.8563	16

167606


Data File: /var/chem/gcsv18a.i/20060811.b/sv18a005.d
Date : 11-AUG-2006 12:03
Client ID:
Sample Info: 397861*1 lcs
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv18a.i/20060811.b/sv18a005.d
-Tetrachloro-m-xylene (4.688)
-alpha-BHC (5.808)
-gamma-BHC (Lindane) (6.397)
-beta-BHC (6.507)
-Heptachlor (6.874)
-delta-BHC (7.025)
-Aldrin (7.450)
-Heptachlor epoxide (8.181)
-gamma-Chlordane (8.436)
-alpha-Chlordane (8.634)
-Endosulfan I (8.673)
-4,4'-DDE (8.890)
-Dieldrin (9.057)
-Endrin (9.501)
-4,4'-DDD (9.588)
-Endosulfan II (9.723)
-4,4'-DDT (9.983)
-Endrin aldehyde (10.093)
-Endosulfan sulfate (10.293)
-Methoxychlor (10.933)
-Endrin ketone (11.189)
Decachlorobiphenyl (12.640)

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD397841

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 397841

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1244

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

Injection Volume: 1 (µL) | Prep Method: 3510C

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

Prep Batch: 329583 | Analytical Batch: 329857 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000240		0.000002	0.000025
319-85-7	beta-BHC	0.000231		0.000004	0.000025
319-86-8	delta-BHC	0.000231		0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.000231		0.000007	0.000025
959-98-8	Endosulfan I	0.000143		0.000002	0.000025
72-55-9	4,4'-DDE	0.000209		0.000005	0.000050
33213-65-9	Endosulfan II	0.000168		0.000007	0.000050
72-54-8	4,4'-DDD	0.000219		0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.000249		0.000002	0.000050
72-43-5	Methoxychlor	0.000209	J	0.000002	0.000250
53494-70-5	Endrin ketone	0.000247		0.000004	0.000050
7421-93-4	Endrin aldehyde	0.000198		0.000004	0.000050
5103-71-9	alpha-Chlordane	0.000220		0.000002	0.000025
5103-74-2	gamma-Chlordane	0.000210		0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000238		0.000002	0.000025
76-44-8	Heptachlor	0.000170		0.000004	0.000025
309-00-2	Aldrin	0.000155		0.000002	0.000025
60-57-1	Dieldrin	0.000225		0.000004	0.000050
72-20-8	Endrin	0.000254		0.000008	0.000050
50-29-3	4,4'-DDT	0.000219		0.000005	0.000050

167608

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a006.d
Report Date: 09-Aug-2006 11:35

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a006.d
Lab Smp Id: 397841
Inj Date : 07-AUG-2006 12:44
Operator : tls Inst ID: gcsv16a.i
Smp Info : 397841*1 lcsd
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

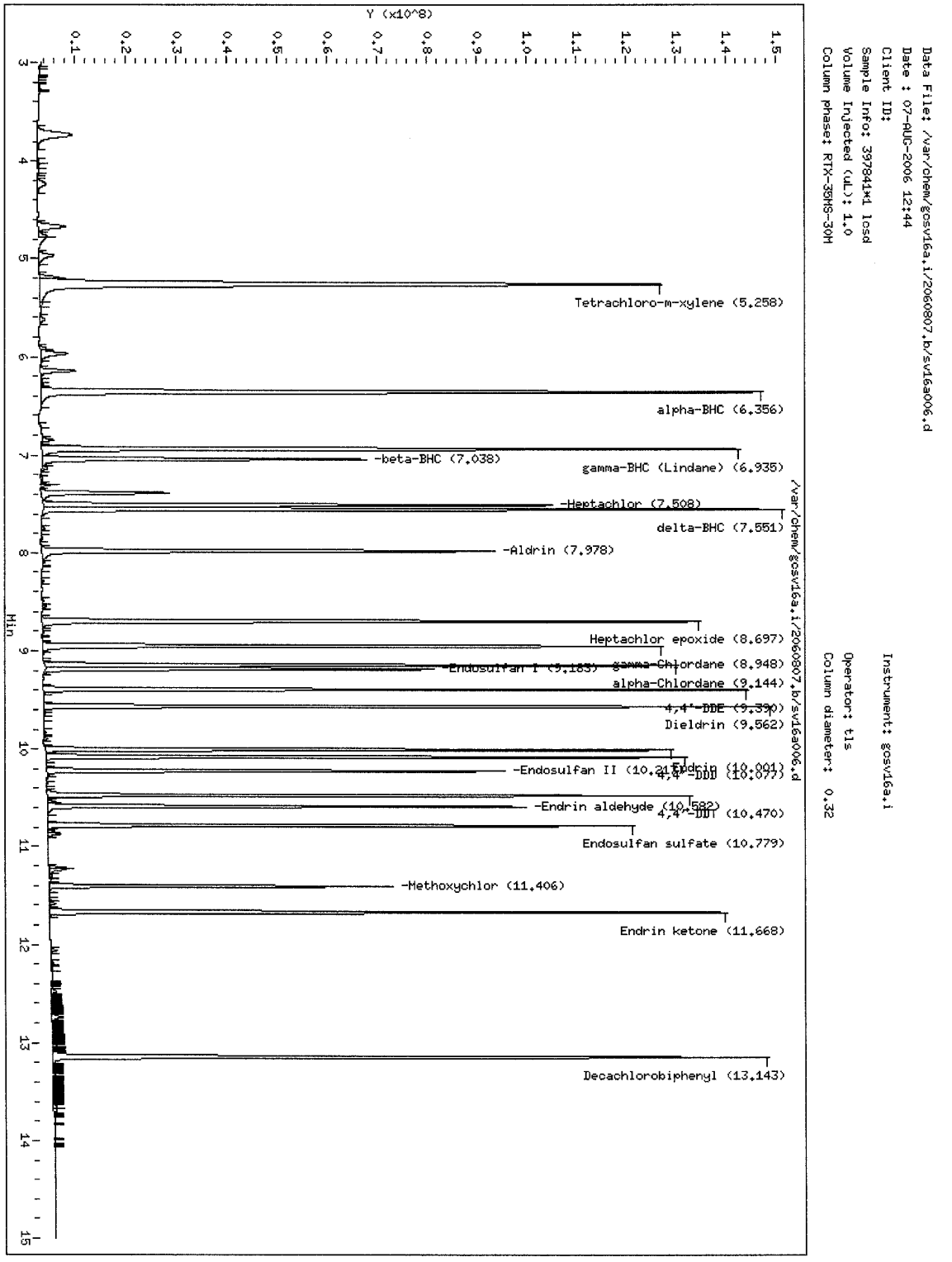
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	5.258	5.262	-0.004	325735563	71.2322	0.36
2	alpha-BHC	6.356	6.351	0.005	272245393	47.9497	0.24
3	gamma-BHC (Lindane)	6.935	6.957	-0.022	242908588	47.5432	0.24
6	beta-BHC	7.038	7.057	-0.019	109000823	46.2003	0.23
4	Heptachlor	7.508	7.527	-0.019	166295738	33.9963	0.17
7	delta-BHC	7.551	7.567	-0.016	230771622	46.2800	0.23
5	Aldrin	7.978	7.996	-0.018	149736873	30.9699	0.15
8	Heptachlor epoxide	8.697	8.710	-0.013	202756083	46.1747	0.23
10	gamma-Chlordane	8.948	8.961	-0.013	185049252	42.0378	0.21
11	alpha-Chlordane	9.144	9.157	-0.013	183675589	43.9390	0.22
9	Endosulfan I	9.183	9.197	-0.014	115186819	28.5832	0.14
12	4,4'-DDE	9.390	9.403	-0.013	191912767	41.7039	0.21
13	Dieldrin	9.562	9.576	-0.014	209468022	44.9393	0.22

167609

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a006.d
Report Date: 09-Aug-2006 11:35

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
	14 Endrin	10.001	10.016	-0.015	175399920	50.7020	0.25
	15 4,4'-DDD	10.077	10.088	-0.011	168411774	43.7979	0.22
	16 Endosulfan II	10.217	10.229	-0.012	130969650	33.5252	0.17
	17 4,4'-DDT	10.470	10.482	-0.012	171867657	43.7832	0.22
	18 Endrin aldehyde	10.582	10.595	-0.013	133320588	39.5205	0.20
	20 Endosulfan sulfate	10.779	10.789	-0.010	159717084	49.8519	0.25
	19 Methoxychlor	11.406	11.418	-0.012	88526613	41.8907	0.21
	21 Endrin ketone	11.668	11.679	-0.011	190452912	49.3777	0.25
$	22 Decachlorobiphenyl	13.143	13.157	-0.014	219136862	62.8232	0.31

167610



001150

167611

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD397862

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 397862

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1221

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: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811/SV18A006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.00783		0.000160	0.00100
319-85-7	beta-BHC	0.00850		0.000270	0.00200
319-86-8	delta-BHC	0.00902		0.000160	0.00100
1024-57-3	Heptachlor epoxide	0.00862		0.000355	0.00100
959-98-8	Endosulfan I	0.00536		0.000170	0.00100
72-55-9	4,4'-DDE	0.00866		0.000325	0.00200
33213-65-9	Endosulfan II	0.00726		0.000280	0.00200
72-54-8	4,4'-DDD	0.00850		0.000235	0.00200
1031-07-8	Endosulfan sulfate	0.00905		0.000265	0.00200
72-43-5	Methoxychlor	0.00948	J	0.000625	0.010
53494-70-5	Endrin ketone	0.00967		0.000420	0.00200
7421-93-4	Endrin aldehyde	0.00786		0.000335	0.00200
5103-71-9	alpha-Chlordane	0.00930		0.000180	0.00100
5103-74-2	gamma-Chlordane	0.00898		0.000220	0.00100
58-89-9	gamma-BHC (Lindane)	0.00837		0.000315	0.00100
76-44-8	Heptachlor	0.00784		0.000105	0.00100
309-00-2	Aldrin	0.00690		0.000160	0.00100
60-57-1	Dieldrin	0.00880		0.000140	0.00200
72-20-8	Endrin	0.00917		0.000170	0.00200
50-29-3	4,4'-DDT	0.010		0.000125	0.00200

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a006.d
Report Date: 14-Aug-2006 07:38

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a006.d
Lab Smp Id: 397862
Inj Date : 11-AUG-2006 12:21
Operator : tls Inst ID: gcsv18a.i
Smp Info : 397862*1 lcsd
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:38 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

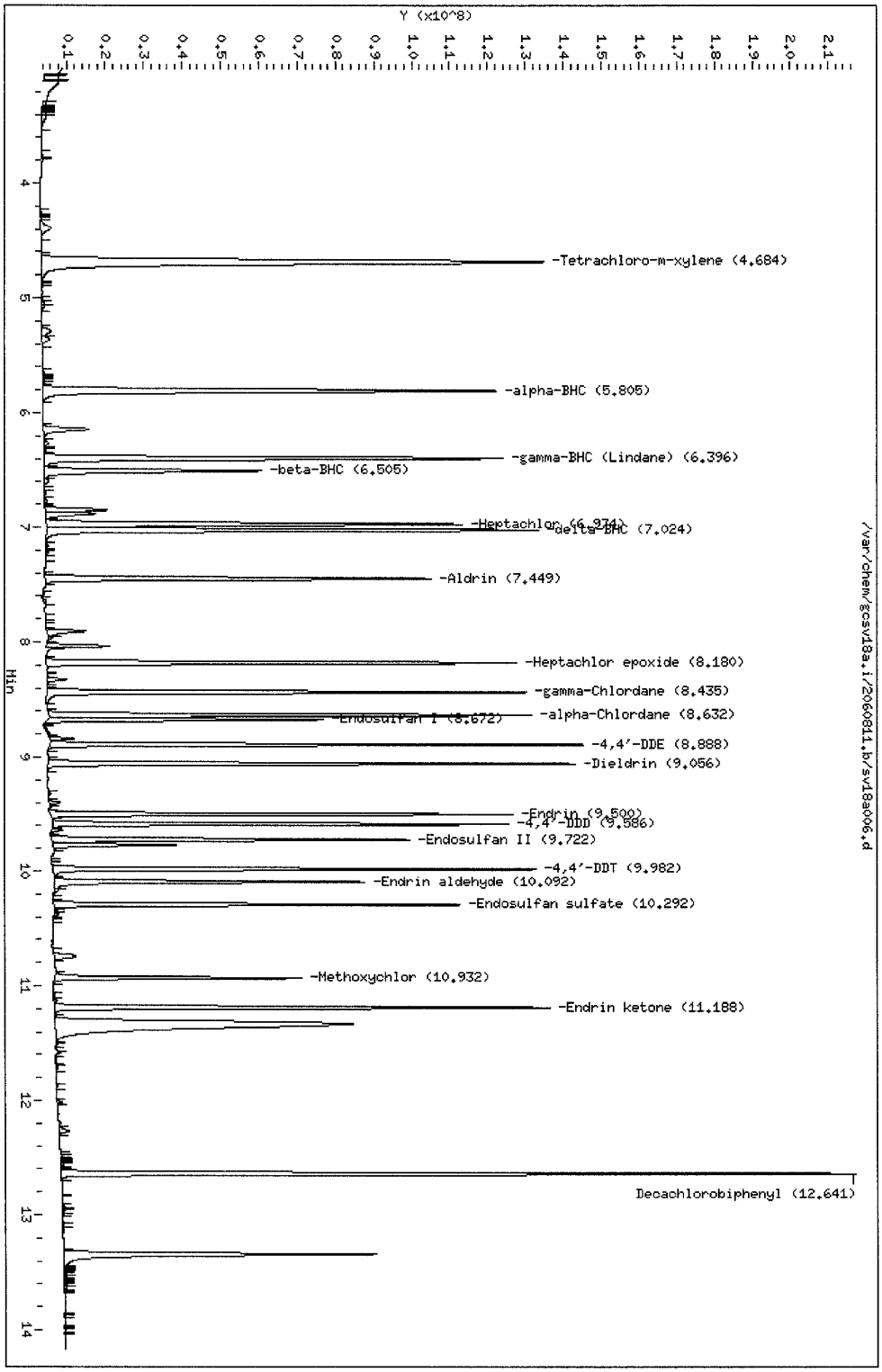
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.684	4.687	-0.003	387267809	98.8952	16
2	alpha-BHC	5.805	5.810	-0.005	248034705	46.9793	7.8
3	gamma-BHC (Lindane)	6.396	6.401	-0.005	226026053	50.2006	8.4
6	beta-BHC	6.505	6.505	0.000	104403275	51.0093	8.5
4	Heptachlor	6.974	6.986	-0.012	189788549	47.0134	7.8
7	delta-BHC	7.024	7.024	0.000	225628014	54.0926	9.0
5	Aldrin	7.449	7.461	-0.012	169184621	41.3983	6.9
8	Heptachlor epoxide	8.180	8.191	-0.011	192653725	51.6953	8.6
10	gamma-Chlordane	8.435	8.446	-0.011	197811292	53.8719	9.0
11	alpha-Chlordane	8.632	8.645	-0.013	190043055	55.8156	9.3
9	Endosulfan I	8.672	8.675	-0.003	108092412	32.1585	5.4
12	4,4'-DDE	8.888	8.898	-0.010	196864703	51.9608	8.7

167613

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a006.d
Report Date: 14-Aug-2006 07:38

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
13 Dieldrin	9.056	9.068	-0.012	206084766	52.8039	8.8
14 Endrin	9.500	9.513	-0.013	176956512	55.0297	9.2
15 4,4'-DDD	9.586	9.594	-0.008	162723113	51.0135	8.5
16 Endosulfan II	9.722	9.731	-0.009	142643831	43.5327	7.3
17 4,4'-DDT	9.982	9.992	-0.010	178756957	62.6644	10
18 Endrin aldehyde	10.092	10.101	-0.009	126023982	47.1861	7.9
20 Endosulfan sulfate	10.292	10.300	-0.008	152839493	54.2983	9.0
19 Methoxychlor	10.932	10.945	-0.013	89083912	56.9030	9.5
21 Endrin ketone	11.188	11.193	-0.005	188961916	57.9923	9.7
$ 22 Decachlorobiphenyl	12.641	12.654	-0.013	293389393	101.123	17



Data File: /var/chem/gcsv18a.i/20060811.b/sv18a006.d
Date : 11-AUG-2006 12:21
Client ID:
Sample Info: 397862m1 lcsd
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: FWPSW01-001 MS

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 20608042802

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 0845

% Moisture: | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1359

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

Injection Volume: 1 (µL) | Prep Method: 3510C

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

Prep Batch: 329583 | Analytical Batch: 329857 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000216		0.000002	0.000025
319-85-7	beta-BHC	0.000250		0.000004	0.000025
319-86-8	delta-BHC	0.000216		0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.000211		0.000007	0.000025
959-98-8	Endosulfan I	0.000221		0.000002	0.000025
72-55-9	4,4'-DDE	0.000173		0.000005	0.000050
33213-65-9	Endosulfan II	0.000203		0.000007	0.000050
72-54-8	4,4'-DDD	0.000187		0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.000254		0.000002	0.000050
72-43-5	Methoxychlor	0.000198	J	0.000002	0.000250
53494-70-5	Endrin ketone	0.000251		0.000004	0.000050
7421-93-4	Endrin aldehyde	0.000188		0.000004	0.000050
5103-71-9	alpha-Chlordane	0.000230		0.000002	0.000025
5103-74-2	gamma-Chlordane	0.000176		0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000226		0.000002	0.000025
76-44-8	Heptachlor	0.000137		0.000004	0.000025
309-00-2	Aldrin	0.000227		0.000002	0.000025
60-57-1	Dieldrin	0.000222		0.000004	0.000050
72-20-8	Endrin	0.000249		0.000008	0.000050
50-29-3	4,4'-DDT	0.000167		0.000005	0.000050

001155

167616

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a010.d
Report Date: 09-Aug-2006 11:36

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a010.d
Lab Smp Id: 20608042802
Inj Date : 07-AUG-2006 13:59
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608042802*1ms
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 10 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	5.258	5.262	-0.004	299889775	65.5802	0.33
2	alpha-BHC	6.357	6.351	0.006	245153261	43.1780	0.22
3	gamma-BHC (Lindane)	6.936	6.957	-0.021	230756987	45.1649	0.23
6	beta-BHC	7.038	7.057	-0.019	117769996	49.9172	0.25
4	Heptachlor	7.508	7.527	-0.019	134023722	27.3988	0.14(M)
7	delta-BHC	7.552	7.567	-0.015	215404785	43.1982	0.22(M)
5	Aldrin	7.979	7.996	-0.017	219713342	45.4431	0.23
8	Heptachlor epoxide	8.697	8.710	-0.013	184927190	42.1144	0.21(M)
10	gamma-Chlordane	8.949	8.961	-0.012	155380516	35.2979	0.18(M)
11	alpha-Chlordane	9.144	9.157	-0.013	192113829	45.9576	0.23
9	Endosulfan I	9.183	9.197	-0.014	177899328	44.1452	0.22
12	4,4'-DDE	9.390	9.403	-0.013	159135238	34.5812	0.17
13	Dieldrin	9.563	9.576	-0.013	207283065	44.4706	0.22

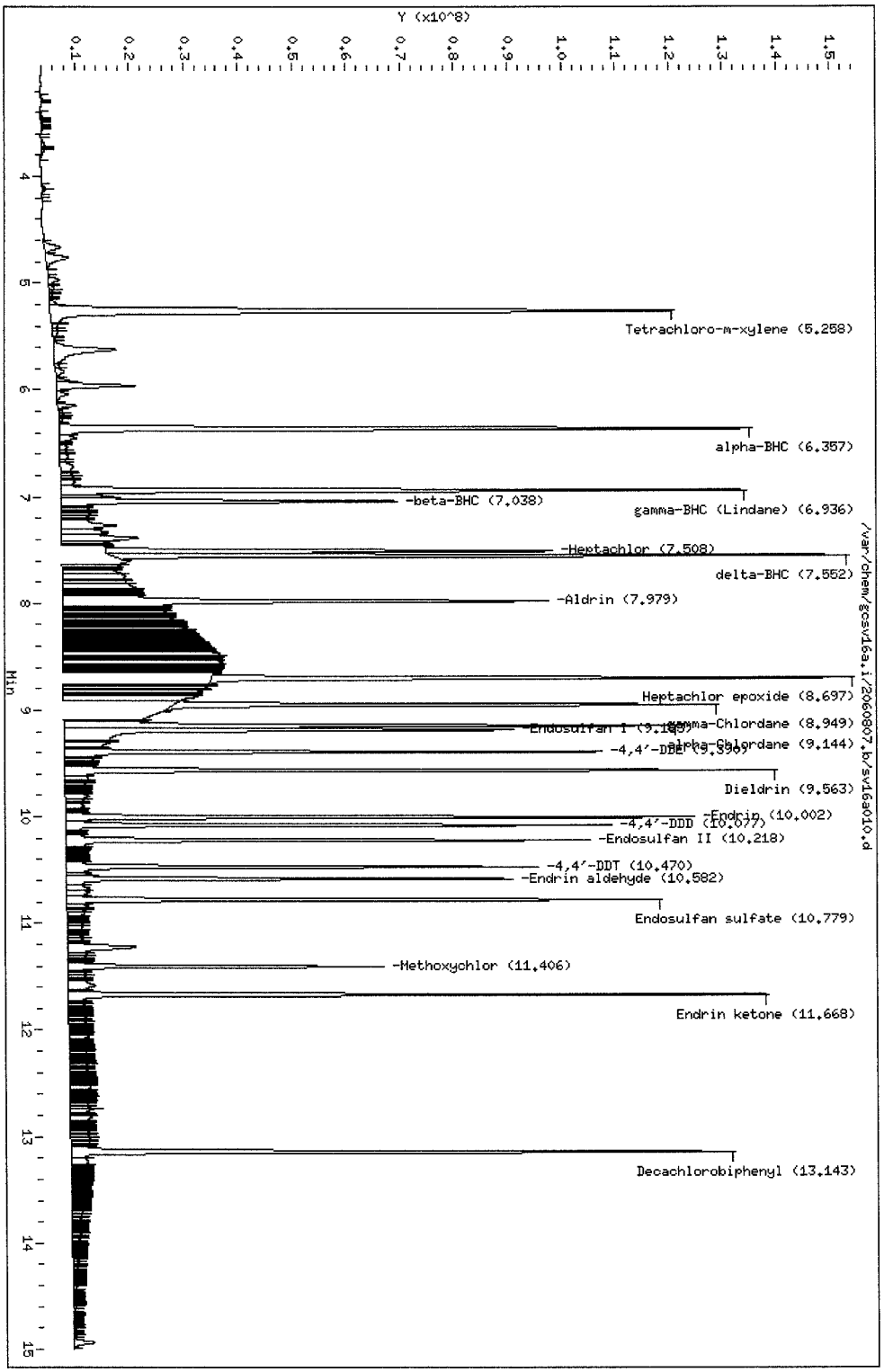
167617

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a010.d
Report Date: 09-Aug-2006 11:36

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
14	Endrin	10.002	10.016	-0.014	172451983	49.8498	0.25
15	4,4'-DDD	10.077	10.088	-0.011	144141918	37.4862	0.19
16	Endosulfan II	10.218	10.229	-0.011	158791739	40.6470	0.20
17	4,4'-DDT	10.470	10.482	-0.012	130732036	33.3039	0.17
18	Endrin aldehyde	10.582	10.595	-0.013	126703327	37.5589	0.19
20	Endosulfan sulfate	10.779	10.789	-0.010	162833209	50.8245	0.25
19	Methoxychlor	11.406	11.418	-0.012	83758090	39.6343	0.20
21	Endrin ketone	11.668	11.679	-0.011	193522997	50.1737	0.25
$ 22	Decachlorobiphenyl	13.143	13.157	-0.014	204600413	58.6558	0.29

QC Flag Legend

M - Compound response manually integrated.



Data File: /var/chem/gcsv16a.i/20060807.b/sv16a010.d
Date : 07-AUG-2006 13:59
Client ID:
Sample Info: 20608042802*lms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001158

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE01-001-(0-0.5) MS

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043102

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1350

% Moisture: 42.0 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1813

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.043	J	0.020	0.172
72-55-9	4,4'-DDE	0.293		0.028	0.172
50-29-3	4,4'-DDT	0.014	J	0.011	0.172
309-00-2	Aldrin	0.104		0.014	0.086
60-57-1	Dieldrin	0.333		0.012	0.172
959-98-8	Endosulfan I	1.14		0.015	0.086
33213-65-9	Endosulfan II	0.025	J	0.024	0.172
1031-07-8	Endosulfan sulfate	0.172	U	0.023	0.172
72-20-8	Endrin	0.062	J	0.015	0.172
7421-93-4	Endrin aldehyde	0.172	U	0.029	0.172
53494-70-5	Endrin ketone	0.172	U	0.036	0.172
76-44-8	Heptachlor	0.118		0.00905	0.086
1024-57-3	Heptachlor epoxide	0.572		0.031	0.086
72-43-5	Methoxychlor	0.862	U	0.054	0.862
319-84-6	alpha-BHC	0.045	J	0.014	0.086
5103-71-9	alpha-Chlordane	0.217		0.016	0.086
319-85-7	beta-BHC	0.222		0.023	0.172
319-86-8	delta-BHC	0.183		0.014	0.086
58-89-9	gamma-BHC (Lindane)	0.098		0.027	0.086
5103-74-2	gamma-Chlordane	0.658		0.019	0.086

001159

167620

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a006.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a006.d
Lab Smp Id: 20608043102
Inj Date : 11-AUG-2006 18:13
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043102*50ms
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 6 QC Sample: MS
Dil Factor: 50.00000
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	50.00000	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	5.236	5.259	-0.023	11601170	2.53696	21
2	alpha-BHC	6.333	6.348	-0.015	17639106	3.10672	26
3	gamma-BHC (Lindane)	6.914	6.920	-0.006	34865080	6.82396	57
6	beta-BHC	7.022	7.025	-0.003	36592728	15.5099	130
4	Heptachlor	7.486	7.500	-0.014	40149386	8.20785	68
7	delta-BHC	7.533	7.543	-0.010	63218133	12.6780	110
5	Aldrin	7.963	7.963	0.000	34900583	7.21846	60
8	Heptachlor epoxide	8.678	8.677	0.001	175171387	39.8927	330
10	gamma-Chlordane	8.928	8.958	-0.030	201897515	45.8653	380
11	alpha-Chlordane	9.123	9.135	-0.012	63070127	15.0877	130
9	Endosulfan I	9.161	9.175	-0.014	321084949	79.6762	660
12	4,4'-DDE	9.370	9.400	-0.030	94064799	20.4409	170

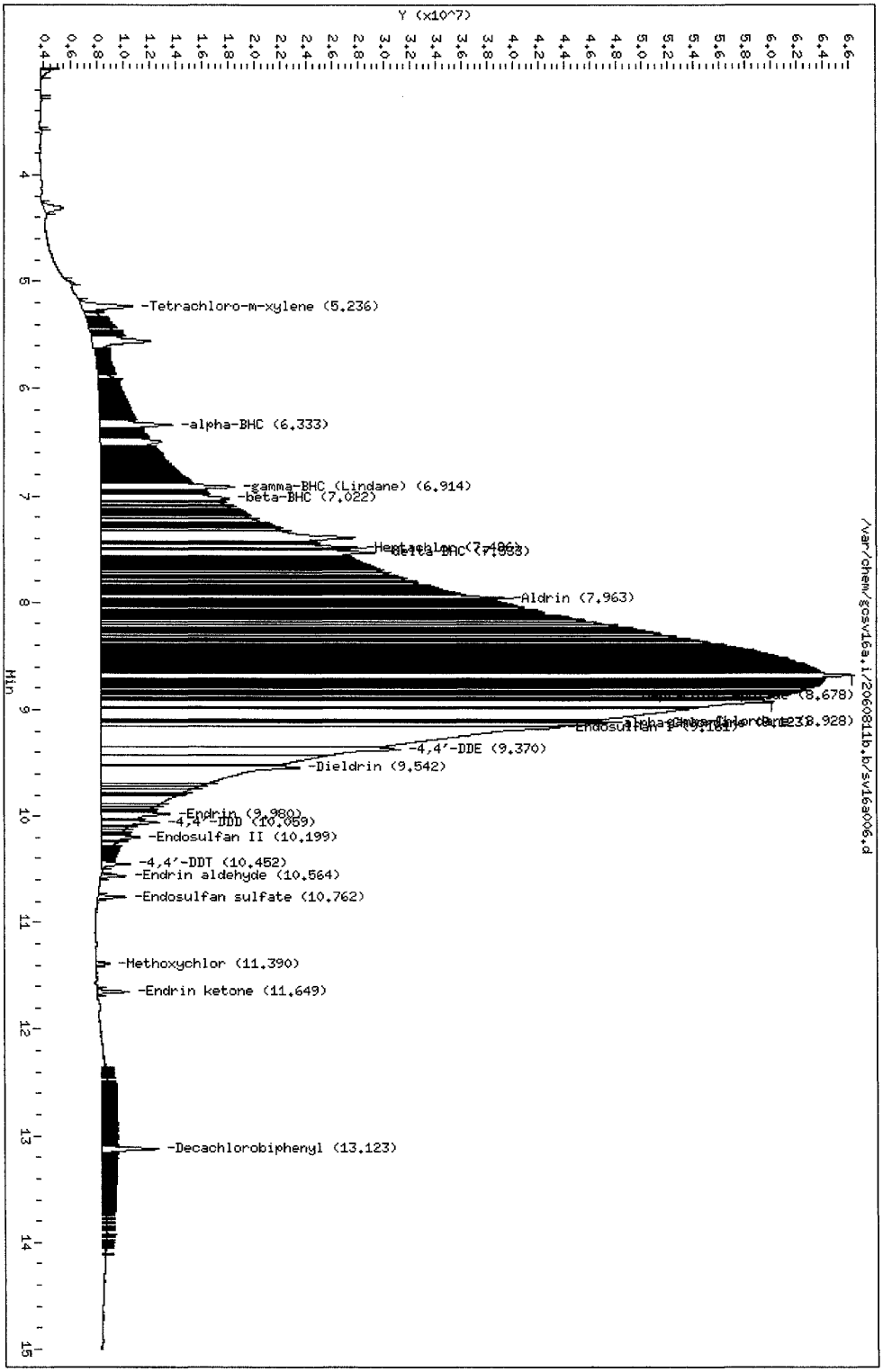
001160

167621

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a006.d
Report Date: 14-Aug-2006 13:45

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
13 Dieldrin	9.542	9.543	-0.001	107816120	23.1309	190
14 Endrin	9.980	9.983	-0.003	15028045	4.34408	36
15 4,4'-DDD	10.059	10.086	-0.027	11379919	2.95951	25
16 Endosulfan II	10.199	10.226	-0.027	6696998	1.71427	14
17 4,4'-DDT	10.452	10.479	-0.027	3896062	0.99252	8.3
18 Endrin aldehyde	10.564	10.566	-0.002	2932944	0.86942	7.2
20 Endosulfan sulfate	10.762	10.787	-0.025	3074767	0.95971	8.0
19 Methoxychlor	11.390	11.415	-0.025	1505241	0.71228	5.9
21 Endrin ketone	11.649	11.676	-0.027	3480659	0.90241	7.5
$ 22 Decachlorobiphenyl	13.123	13.124	-0.001	8445930	2.42132	20

167622



Data File: /var/chem/gcsv16a.i/20608l1b.b/sv16a006.d
Date : 11-AUG-2006 18:13
Client ID:
Sample Info: 20608043102#5oms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSW01-001 MSD

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 20608042803

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 0845

% Moisture: | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1417

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

Injection Volume: 1 (µL) | Prep Method: 3510C

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

Prep Batch: 329583 | Analytical Batch: 329857 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A011

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.000251		0.000002	0.000025
319-85-7	beta-BHC	0.000259		0.000004	0.000025
319-86-8	delta-BHC	0.000253		0.000002	0.000025
1024-57-3	Heptachlor epoxide	0.000262		0.000007	0.000025
959-98-8	Endosulfan I	0.000175		0.000002	0.000025
72-55-9	4,4'-DDE	0.000197		0.000005	0.000050
33213-65-9	Endosulfan II	0.000251		0.000007	0.000050
72-54-8	4,4'-DDD	0.000233		0.000001	0.000050
1031-07-8	Endosulfan sulfate	0.000295		0.000002	0.000050
72-43-5	Methoxychlor	0.000247	J	0.000002	0.000250
53494-70-5	Endrin ketone	0.000292		0.000004	0.000050
7421-93-4	Endrin aldehyde	0.000220		0.000004	0.000050
5103-71-9	alpha-Chlordane	0.000233		0.000002	0.000025
5103-74-2	gamma-Chlordane	0.000238		0.000005	0.000025
58-89-9	gamma-BHC (Lindane)	0.000248		0.000002	0.000025
76-44-8	Heptachlor	0.000182		0.000004	0.000025
309-00-2	Aldrin	0.000183		0.000002	0.000025
60-57-1	Dieldrin	0.000248		0.000004	0.000050
72-20-8	Endrin	0.000296		0.000008	0.000050
50-29-3	4,4'-DDT	0.000216		0.000005	0.000050

001163

167624

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a011.d
Report Date: 09-Aug-2006 11:36

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a011.d
Lab Smp Id: 20608042803
Inj Date : 07-AUG-2006 14:17
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608042803*1ms
Misc Info : GCSV~9803~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:35 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 11 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	5.258	5.262	-0.004	354744901	77.5760	0.39
2	alpha-BHC	6.356	6.351	0.005	284910835	50.1804	0.25
3	gamma-BHC (Lindane)	6.936	6.957	-0.021	253367506	49.5903	0.25
6	beta-BHC	7.039	7.057	-0.018	122139282	51.7691	0.26
4	Heptachlor	7.509	7.527	-0.018	177815756	36.3514	0.18
7	delta-BHC	7.552	7.567	-0.015	252552953	50.6481	0.25
5	Aldrin	7.979	7.996	-0.017	176715781	36.5500	0.18
8	Heptachlor epoxide	8.697	8.710	-0.013	230069634	52.3950	0.26
10	gamma-Chlordane	8.949	8.961	-0.012	209336519	47.5552	0.24
11	alpha-Chlordane	9.144	9.157	-0.013	194410438	46.5070	0.23
9	Endosulfan I	9.184	9.197	-0.013	140953289	34.9771	0.17
12	4,4'-DDE	9.390	9.403	-0.013	181451606	39.4306	0.20
13	Dieldrin	9.563	9.576	-0.013	230742233	49.5035	0.25

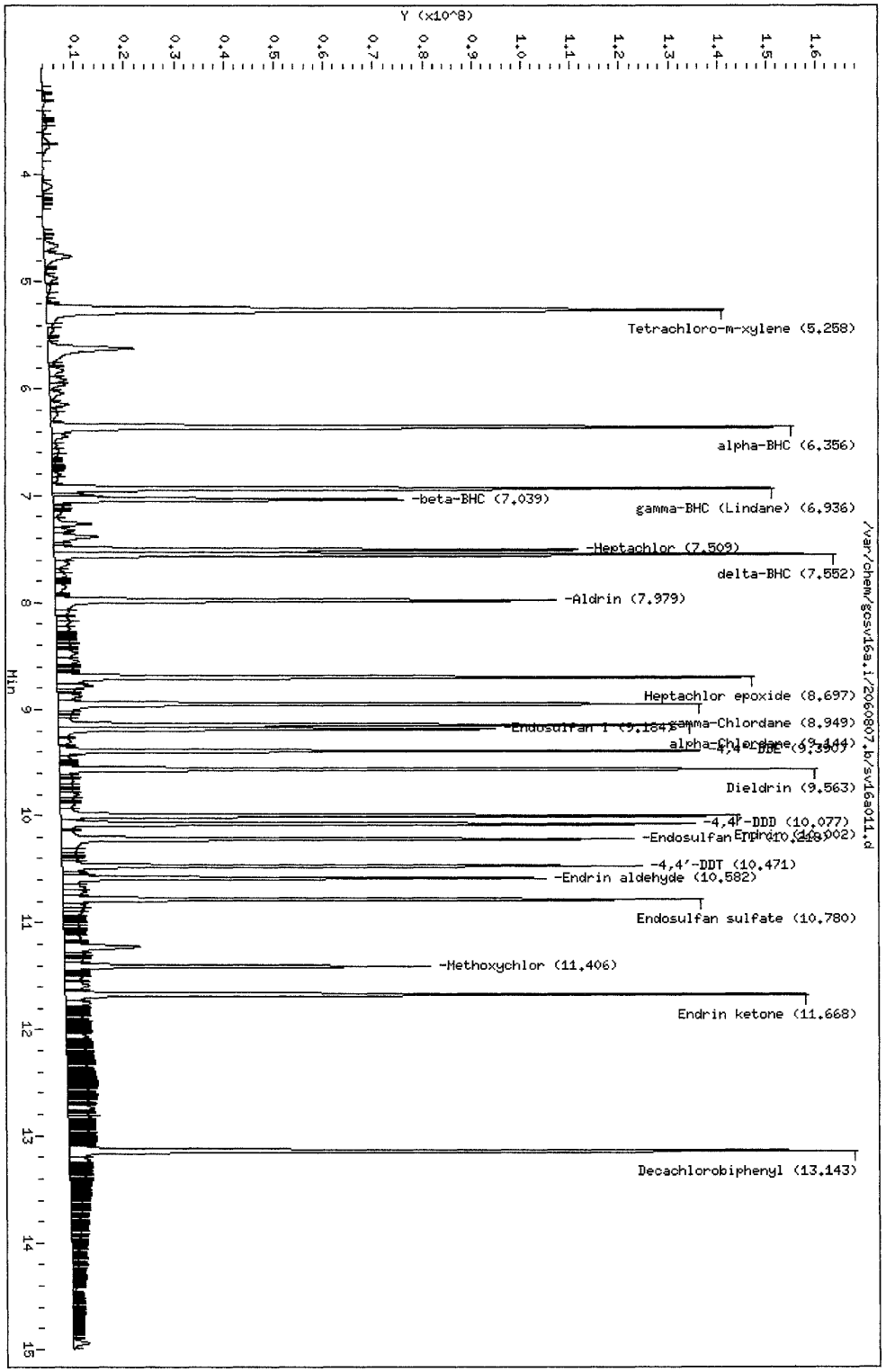
167625

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a011.d
Report Date: 09-Aug-2006 11:36

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
	14 Endrin	10.002	10.016	-0.014	205093022	59.2852	0.30
	15 4,4'-DDD	10.077	10.088	-0.011	179297165	46.6288	0.23
	16 Endosulfan II	10.218	10.229	-0.011	195849138	50.1328	0.25
	17 4,4'-DDT	10.471	10.482	-0.011	169524703	43.1863	0.22
	18 Endrin aldehyde	10.582	10.595	-0.013	148284950	43.9564	0.22
	20 Endosulfan sulfate	10.780	10.789	-0.009	188916825	58.9659	0.29
	19 Methoxychlor	11.406	11.418	-0.012	104538607	49.4676	0.25
	21 Endrin ketone	11.668	11.679	-0.011	225118906	58.3654	0.29
$	22 Decachlorobiphenyl	13.143	13.157	-0.014	260809354	74.7700	0.37

001165

167626



Data File: /var/chem/gcsv16a.i/2060807.b/sv16a011.d
Date : 07-AUG-2006 14:17
Client ID:
Sample Info: 20608042803#1ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001166

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE01-001-(0-0.5) MSD

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20608043103

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1350

% Moisture: 42.0 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1851

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

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

Prep Batch: 329586 | Analytical Batch: 330422 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.169	U	0.020	0.169
72-55-9	4,4'-DDE	0.498		0.028	0.169
50-29-3	4,4'-DDT	0.020	J	0.011	0.169
309-00-2	Aldrin	0.108		0.014	0.085
60-57-1	Dieldrin	0.243		0.012	0.169
959-98-8	Endosulfan I	0.320		0.014	0.085
33213-65-9	Endosulfan II	0.025	J	0.024	0.169
1031-07-8	Endosulfan sulfate	0.169	U	0.022	0.169
72-20-8	Endrin	0.057	J	0.014	0.169
7421-93-4	Endrin aldehyde	0.169	U	0.028	0.169
53494-70-5	Endrin ketone	0.169	U	0.036	0.169
76-44-8	Heptachlor	0.165		0.00890	0.085
1024-57-3	Heptachlor epoxide	0.438		0.030	0.085
72-43-5	Methoxychlor	0.847	U	0.053	0.847
319-84-6	alpha-BHC	0.035	J	0.014	0.085
5103-71-9	alpha-Chlordane	0.298		0.015	0.085
319-85-7	beta-BHC	0.186		0.023	0.169
319-86-8	delta-BHC	0.137		0.014	0.085
58-89-9	gamma-BHC (Lindane)	0.084	J	0.027	0.085
5103-74-2	gamma-Chlordane	0.853		0.019	0.085

001167

167628

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a008.d
Report Date: 14-Aug-2006 13:45

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a008.d
Lab Smp Id: 20608043103
Inj Date : 11-AUG-2006 18:51
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043103*50ms
Misc Info : GCSV~9838~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:45 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 8 QC Sample: MSD
Dil Factor: 50.00000
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

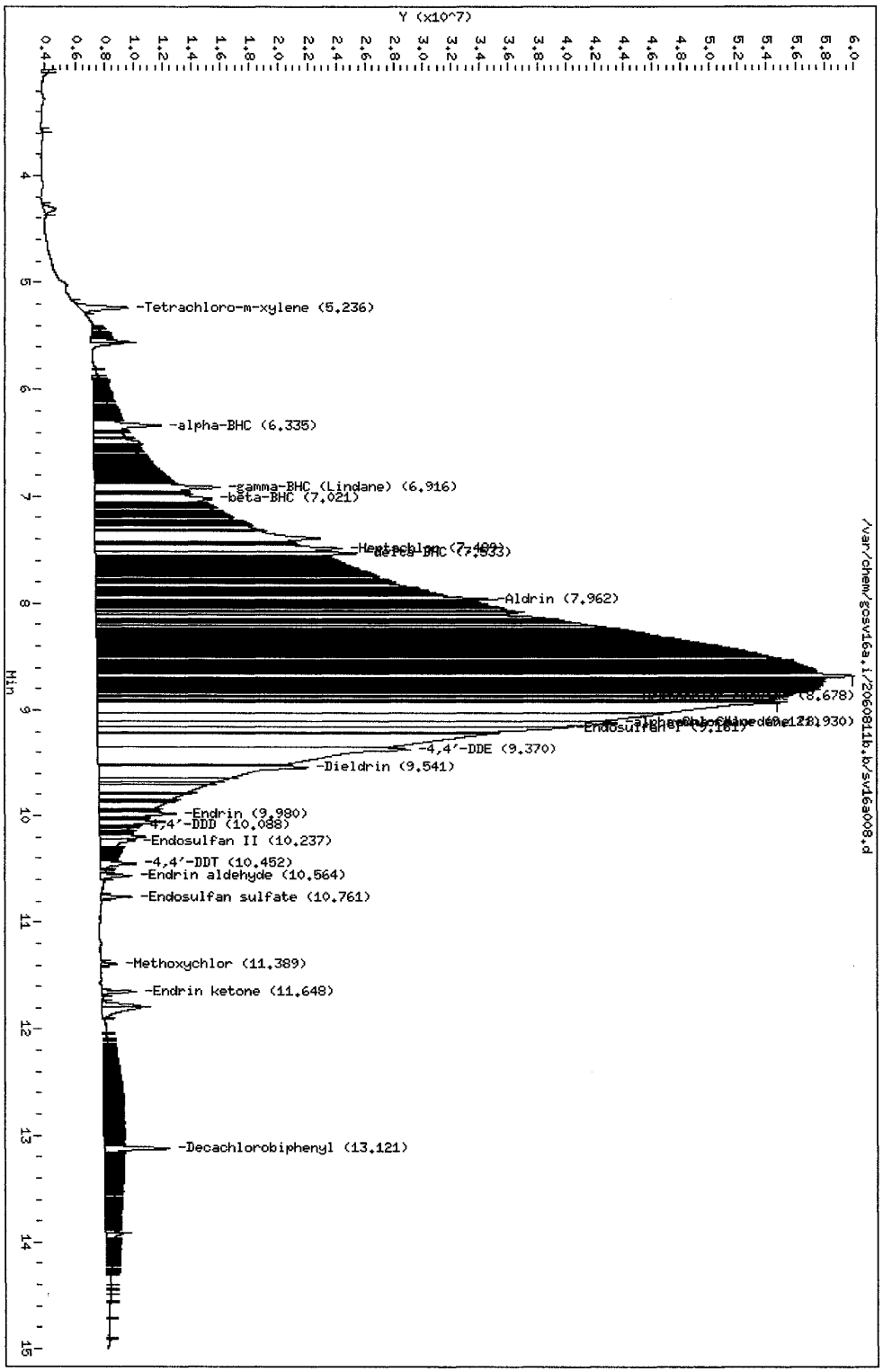
Name	Value	Description
DF	50.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

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	5.236	5.259	-0.023	8141689	1.78043	15
2	alpha-BHC	6.335	6.348	-0.013	14007196	2.46704	20
3	gamma-BHC (Lindane)	6.916	6.920	-0.004	30572375	5.98377	49
6	beta-BHC	7.021	7.025	-0.004	31092443	13.1786	110
4	Heptachlor	7.489	7.500	-0.011	57275867	11.7091	96
7	delta-BHC	7.533	7.543	-0.010	48391129	9.70457	80
5	Aldrin	7.962	7.963	-0.001	37057205	7.66451	63
8	Heptachlor epoxide	8.678	8.677	0.001	135916068	30.9529	250
10	gamma-Chlordane	8.930	8.958	-0.028	266010161	60.4298	500
11	alpha-Chlordane	9.121	9.135	-0.014	88196543	21.0984	170
9	Endosulfan I	9.161	9.175	-0.014	91533364	22.7137	190
12	4,4'-DDE	9.370	9.400	-0.030	161978420	35.1990	290

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a008.d
Report Date: 14-Aug-2006 13:45

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	9.541	9.543	-0.002	80015890	17.1666	140
	14 Endrin	9.980	9.983	-0.003	13880455	4.01235	33
	15 4,4'-DDD	10.088	10.086	0.002	1242259	0.32307	2.6
	16 Endosulfan II	10.237	10.226	0.011	6853922	1.75444	14
	17 4,4'-DDT	10.452	10.479	-0.027	5465992	1.39246	11
	18 Endrin aldehyde	10.564	10.566	-0.002	3820725	1.13258	9.3
	20 Endosulfan sulfate	10.761	10.787	-0.026	3231991	1.00879	8.3
	19 Methoxychlor	11.389	11.415	-0.026	1497529	0.70863	5.8
	21 Endrin ketone	11.648	11.676	-0.028	3516565	0.91172	7.5
$	22 Decachlorobiphenyl	13.121	13.124	-0.003	9147250	2.62238	21



Data File: /var/chem/gcsv16a.i/20608i1b.b/sv16a008.d
Date : 11-AUG-2006 18:51
Client ID:
Sample Info: 20608043103W50ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001170

167631

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-5-06 800	BATCH NO:	329583
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 329583 [EXTO/14408]	397839	1000	5.0	7	Pest	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 329583 [EXTO/14408	397840	1000	5.0	7		
3	QC ACCOUNT	LCSD for HBN 329583 [EXTO/1440	397841	1000	5.0	7		SEPARATORY FUNNEL/3510 ✓
4	4482	FWPSW01-001	20608042801	1000	5.0	7		
5	4482	FWPSW01-001 MS	20608042802	1000	5.0	7		GPC CLEANUP/3640
6	4482	FWPSW01-001 MSD	20608042803	1000	5.0	7		
7	4482	SW-600	20608042804	1000	5.0	7		SONICATOR/3550
8	4482	FWPSW02-002	20608042805	1000	5.0	7		
9	4482	FWPSW02-003	20608042806	1000	5.0	7		FLORISIL CLEANUP/3620
10	4482	SPSW01-001	20608042808	1000	5.0	7		
11	4482	SPSW01-002	20608042809	1000	5.0	7		PCB H2So4/3665A CLEANUP
12	4482	SPSW01-003	20608042810	1000	5.0	7		
13	4482	SP-004-FB	20608042811	1000	5.0	7		WASTE DILUTION/3580
14	4482	FWPSE-006-EB	20608043109	1000	5.0	7		
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								
21				SKB 08/07/06				ACETONE LOT NO:
22								
23								MECL2 Lot No: C90E03
24								
25								HEXANE Lot No: C22E22
26								
27								Sodium Sulfate Lot No: C10592
28								

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

SURROGATE ID	10-29-6	8081 SPIKE ID		608 SPIKE ID	10-29-8	TECHNICIAN	DATE
VOLUME	1.0m	VOLUME		VOLUME	250ul	Shantae Joseph	8-5-06
CONCENTRATION	0.5ug/ml	CONCENTRATION		CONCENTRATION	1 ug/ml		
ACID	J				J	SUPERVISOR	DATE
SPIKE WITNESS	DWB					John Bailey	08/07/06

001171

167632

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-5-06 11:00	BATCH NO:	329586
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 329586 [EXTO/14411]	397860	30.0	5.0		PEST	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 329586 [EXTO/14411	397861	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 329586 [EXTO/1441	397862	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	FWPSE01-001-(0-0.5)	20608043101	30.2	5.0			
5	4482	FWPSE01-001-(0-0.5) MS	20608043102	30.0	5.0			GPC CLEANUP/3640
6	4482	FWPSE01-001-(0-0.5) MSD	20608043103	30.5	5.0			
7	4482	SE-501-(0-0.5)	20608043104	30.0	5.0			SONICATOR/3550
8	4482	FWPSE04-004-(0-0.5)	20608043105	30.5	5.0			✓
9	4482	FWPSE02-002-(0-0.5)	20608043106	30.5	5.0			FLORISIL CLEANUP/3620
10	4482	FWPSE03-003-(0-0.5)	20608043107	30.0	5.0			
11	4482	FWPSE05-005-(0-0.5)	20608043108	30.0	5.0			PCB H2So4/3665A CLEANUP
12								
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20				SK 08/07/06				C06E11
21								ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								
25								HEXANE Lot No:
26								C22E22
27								Sodium Sulfate Lot No:
28								C155 99

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

SURROGATE ID	10-29-6	8081 SPIKE ID		608 SPIKE ID	10-29-8	TECHNICIAN	DATE
VOLUME	1.0 ml	VOLUME		VOLUME	250ul	Demetrius Kostas	8-5-06
CONCENTRATION	0.5 ug/ml	CONCENTRATION		CONCENTRATION	1.0 ug/ml		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	KJ					John Bailey	08/07/06

001172

167633

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/02/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060731.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
deg		sv16a001.d	31-JUL-2006 16:10	1.000	tls	deg
1206		sv16a002.d	31-JUL-2006 16:28	1.000	tls	8081
1201		sv16a003.d	31-JUL-2006 16:47	1.000	tls	8081
1202		sv16a004.d	31-JUL-2006 17:05	1.000	tls	8081
1203		sv16a005.d	31-JUL-2006 17:24	1.000	tls	8081
1204		sv16a006.d	31-JUL-2006 17:43	1.000	tls	8081
1205		sv16a007.d	31-JUL-2006 18:02	1.000	tls	8081
1600		sv16a008.d	31-JUL-2006 18:20	1.000	tls	8081
1205		sv16a009.d	31-JUL-2006 18:39	1.000	tls	chlor
1201		sv16a010.d	31-JUL-2006 18:58	1.000	tls	tox
1205		sv16a011.d	31-JUL-2006 19:16	1.000	tls	tox
1203		sv16a012.d	31-JUL-2006 19:35	1.000	tls	aro1221
1203		sv16a013.d	31-JUL-2006 19:54	1.000	tls	aro1232
1203		sv16a014.d	31-JUL-2006 20:12	1.000	tls	aro1242
1203		sv16a015.d	31-JUL-2006 20:31	1.000	tls	aro1248
1203		sv16a016.d	31-JUL-2006 20:49	1.000	tls	aro1254
1206		sv16a017.d	31-JUL-2006 21:08	1.000	tls	aro1260
1201		sv16a018.d	31-JUL-2006 21:27	1.000	tls	aro1260
1202		sv16a019.d	31-JUL-2006 21:45	1.000	tls	aro1260
1203		sv16a020.d	31-JUL-2006 22:04	1.000	tls	aro1260
1204		sv16a021.d	31-JUL-2006 22:23	1.000	tls	aro1260
1205		sv16a022.d	31-JUL-2006 22:41	1.000	tls	aro1260
1600		sv16a023.d	31-JUL-2006 23:00	1.000	tls	aro1260
deg		sv16a024.d	31-JUL-2006 23:19	1.000	tls	deg
390170		sv16a025.d	31-JUL-2006 23:37	1.000	tls	pcb
390171		sv16a026.d	31-JUL-2006 23:56	1.000	tls	ar1260s
390172		sv16a027.d	01-AUG-2006 00:15	1.000	tls	ar1260s
1400		sv16a028.d	01-AUG-2006 00:33	1.000	tls	aro1260
1400		sv16a029.d	01-AUG-2006 00:52	1.000	tls	aro1260

REVISED 6-1-95 Supervisor Review: QA Review:

001173

167634

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/09/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060807.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16a001.d	1000.00 ml	07-AUG-2006 10:09	1.000	tls	1	deg
1400		sv16a002.d	1000.00 ml	07-AUG-2006 10:27	1.000	tls	2	8081
1400		sv16a003.d	1000.00 ml	07-AUG-2006 10:46	1.000	tls	3	aro1260
397839		sv16a004.d	1000.00 ml	07-AUG-2006 12:07	1.000	tls	4	all
397840		sv16a005.d	1000.00 ml	07-AUG-2006 12:25	1.000	tls	5	8081
397841		sv16a006.d	1000.00 ml	07-AUG-2006 12:44	1.000	tls	6	8081
397843		sv16a007.d	1000.00 ml	07-AUG-2006 13:03	1.000	tls	7	ar1260s
397844		sv16a008.d	1000.00 ml	07-AUG-2006 13:21	1.000	tls	8	ar1260s
20608042801		sv16a009.d	1000.00 ml	07-AUG-2006 13:40	1.000	tls	9	all
20608042802		sv16a010.d	1000.00 ml	07-AUG-2006 13:59	1.000	tls	10	8081
20608042803		sv16a011.d	1000.00 ml	07-AUG-2006 14:17	1.000	tls	11	8081
2060842802		sv16a012.d	1000.00 ml	07-AUG-2006 14:36	1.000	tls	12	ar1260s
20608042803		sv16a013.d	1000.00 ml	07-AUG-2006 14:55	1.000	tls	13	ar1260s
1400		sv16a014.d	1000.00 ml	07-AUG-2006 15:13	1.000	tls	14	8081
1400		sv16a015.d	1000.00 ml	07-AUG-2006 16:01	1.000	tls	15	8081
1400		sv16a016.d	1000.00 ml	07-AUG-2006 16:19	1.000	tls	16	aro1260
20608042804		sv16a017.d	1000.00 ml	07-AUG-2006 16:38	1.000	tls	17	all
20608042805		sv16a018.d	1000.00 ml	07-AUG-2006 16:56	1.000	tls	18	all
20608042806		sv16a019.d	1000.00 ml	07-AUG-2006 17:15	1.000	tls	19	all
20608042808		sv16a020.d	1000.00 ml	07-AUG-2006 17:34	1.000	tls	20	all
20608042809		sv16a021.d	1000.00 ml	07-AUG-2006 17:52	1.000	tls	21	all
20608042810		sv16a022.d	1000.00 ml	07-AUG-2006 18:11	1.000	tls	22	all
20608042811		sv16a023.d	1000.00 ml	07-AUG-2006 18:30	1.000	tls	23	all
20608043109		sv16a024.d	1000.00 ml	07-AUG-2006 18:48	1.000	tls	24	all
1400		sv16a025.d	1000.00 ml	07-AUG-2006 19:07	1.000	tls	25	8081
1400		sv16a026.d	1000.00 ml	07-AUG-2006 19:26	1.000	tls	26	8081
1400		sv16a027.d	1000.00 ml	07-AUG-2006 19:44	1.000	tls	27	aro1260
deg		sv16a028.d	1000.00 ml	07-AUG-2006 20:03	1.000	tls	28	deg
397801		sv16a029.d	1000.00 ml	07-AUG-2006 20:22	1.000	tls	29	all
397802		sv16a030.d	1000.00 ml	07-AUG-2006 20:40	1.000	tls	30	8081
397803		sv16a031.d	1000.00 ml	07-AUG-2006 20:59	1.000	tls	31	8081
397805		sv16a032.d	1000.00 ml	07-AUG-2006 21:18	1.000	tls	32	ar1260s
397806		sv16a033.d	1000.00 ml	07-AUG-2006 21:36	1.000	tls	33	ar1260s
20608042401		sv16a034.d	1000.00 ml	07-AUG-2006 21:55	1.000	tls	34	all
20608042402		sv16a035.d	1000.00 ml	07-AUG-2006 22:14	1.000	tls	35	all
20608042404		sv16a036.d	1000.00 ml	07-AUG-2006 22:33	1.000	tls	36	all

167635

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/09/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060807.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20608042405		sv16a037.d	1000.00 ml	07-AUG-2006 22:51	1.000	tls	37	8081
20608042406		sv16a038.d	1000.00 ml	07-AUG-2006 23:10	1.000	tls	38	8081
1400		sv16a039.d	1000.00 ml	07-AUG-2006 23:29	1.000	tls	39	8081
1400		sv16a040.d	1000.00 ml	07-AUG-2006 23:47	1.000	tls	40	8081
1400		sv16a041.d	1000.00 ml	08-AUG-2006 00:06	1.000	tls	41	aro1260
20608042405		sv16a042.d	1000.00 ml	08-AUG-2006 00:24	1.000	tls	42	ar1260s
20608042406		sv16a043.d	1000.00 ml	08-AUG-2006 00:43	1.000	tls	43	ar1260s
20608042407		sv16a044.d	1000.00 ml	08-AUG-2006 01:02	1.000	tls	44	all
20608042408		sv16a045.d	1000.00 ml	08-AUG-2006 01:20	1.000	tls	45	all
20608042409		sv16a046.d	1000.00 ml	08-AUG-2006 01:39	1.000	tls	46	all
20608042410		sv16a047.d	1000.00 ml	08-AUG-2006 01:58	1.000	tls	47	all
20608042411		sv16a048.d	1000.00 ml	08-AUG-2006 02:16	1.000	tls	48	all
20608042412		sv16a049.d	1000.00 ml	08-AUG-2006 02:35	1.000	tls	49	all
20608042413		sv16a050.d	1000.00 ml	08-AUG-2006 02:54	1.000	tls	50	all
20608042414		sv16a051.d	1000.00 ml	08-AUG-2006 03:12	1.000	tls	51	all
1400		sv16a052.d	1000.00 ml	08-AUG-2006 03:31	1.000	tls	52	8081
1400		sv16a053.d	1000.00 ml	08-AUG-2006 03:50	1.000	tls	53	8081
1400		sv16a054.d	1000.00 ml	08-AUG-2006 04:08	1.000	tls	54	aro1260
20608042416		sv16a055.d	1000.00 ml	08-AUG-2006 04:27	1.000	tls	55	all
20608042421		sv16a056.d	1000.00 ml	08-AUG-2006 04:46	1.000	tls	56	all
20608042423		sv16a057.d	1000.00 ml	08-AUG-2006 05:04	1.000	tls	57	all
1400		sv16a058.d	1000.00 ml	08-AUG-2006 05:23	1.000	tls	58	8081
1400		sv16a059.d	1000.00 ml	08-AUG-2006 05:42	1.000	tls	59	8081
1400		sv16a060.d	1000.00 ml	08-AUG-2006 06:00	1.000	tls	60	aro1260

167636

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/14/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060811b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16a001.d	1000.00 ml	11-AUG-2006 15:46	1.000	tls	1	deg
1400		sv16a002.d	1000.00 ml	11-AUG-2006 16:05	1.000	tls	2	8081
1400		sv16a003.d	1000.00 ml	11-AUG-2006 16:24	1.000	tls	3	aro1260
20608043101		sv16a004.d	30.20 g	11-AUG-2006 17:36	50.000	tls	4	all
hex		sv16a005.d	1.00 g	11-AUG-2006 17:55	1.000	tls	5	all
20608043102		sv16a006.d	30.00 g	11-AUG-2006 18:13	50.000	tls	6	8081
hex		sv16a007.d	1.00 g	11-AUG-2006 18:32	1.000	tls	7	all
20608043103		sv16a008.d	30.50 g	11-AUG-2006 18:51	50.000	tls	8	8081
hex		sv16a009.d	1.00 g	11-AUG-2006 19:09	1.000	tls	9	all
20608043102		sv16a010.d	30.00 g	11-AUG-2006 19:28	50.000	tls	10	ar1260s
hex		sv16a011.d	1.00 g	11-AUG-2006 19:47	1.000	tls	11	all
20608043103		sv16a012.d	30.50 g	11-AUG-2006 20:05	50.000	tls	12	ar1260s
hex		sv16a013.d	1.00 g	11-AUG-2006 20:24	1.000	tls	13	all
20608043104		sv16a014.d	30.00 g	11-AUG-2006 20:43	50.000	tls	14	all
hex		sv16a015.d	1.00 g	11-AUG-2006 21:01	1.000	tls	15	all
20608043105		sv16a016.d	30.50 g	11-AUG-2006 21:20	50.000	tls	16	all
hex		sv16a017.d	1.00 g	11-AUG-2006 21:39	1.000	tls	17	all
20608043106		sv16a018.d	30.50 g	11-AUG-2006 21:57	50.000	tls	18	all
hex		sv16a019.d	1.00 g	11-AUG-2006 22:16	1.000	tls	19	all
20608043107		sv16a020.d	30.00 g	11-AUG-2006 22:35	50.000	tls	20	all
hex		sv16a021.d	1.00 g	11-AUG-2006 22:54	1.000	tls	21	all
20608043108		sv16a022.d	30.00 g	11-AUG-2006 23:12	50.000	tls	22	all
hex		sv16a023.d	1.00 g	11-AUG-2006 23:31	1.000	tls	23	all
1400		sv16a024.d	1000.00 ml	11-AUG-2006 23:50	1.000	tls	24	8081
1400		sv16a025.d	1000.00 ml	12-AUG-2006 00:08	1.000	tls	25	8081
1400		sv16a026.d	1000.00 ml	12-AUG-2006 00:27	1.000	tls	26	aro1260

167637

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/10/2006
Instrument: gcsv16b.i
Method File: /var/chem/gcsv16b.i/2060731.b/pestXLB.m
Batch: /var/chem/gcsv16b.i/2060731.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16b001.d	1000.00 ml	31-JUL-2006 16:28	1.000	tls	1	deg
1206		sv16b002.d	1000.00 ml	31-JUL-2006 16:47	1.000	tls	2	8081
1201		sv16b003.d	1000.00 ml	31-JUL-2006 17:05	1.000	tls	3	8081
1202		sv16b004.d	1000.00 ml	31-JUL-2006 17:24	1.000	tls	4	8081
1203		sv16b005.d	1000.00 ml	31-JUL-2006 17:43	1.000	tls	5	8081
1204		sv16b006.d	1000.00 ml	31-JUL-2006 18:02	1.000	tls	6	8081
1205		sv16b007.d	1000.00 ml	31-JUL-2006 18:20	1.000	tls	7	8081
1600		sv16b008.d	1.00 ml	31-JUL-2006 18:39	1.000	tls	8	8081
1205		sv16b009.d	1000.00 ml	31-JUL-2006 18:58	1.000	tls	9	chlor
1201		sv16b010.d	1000.00 ml	31-JUL-2006 19:16	1.000	tls	10	tox
1205		sv16b011.d	1000.00 ml	31-JUL-2006 19:35	1.000	tls	11	tox
1203		sv16b012.d	1000.00 ml	31-JUL-2006 19:54	1.000	tls	12	aro1221
1203		sv16b013.d	1000.00 ml	31-JUL-2006 20:12	1.000	tls	13	aro1232
1203		sv16b014.d	1000.00 ml	31-JUL-2006 20:31	1.000	tls	14	aro1242
1203		sv16b015.d	1000.00 ml	31-JUL-2006 20:49	1.000	tls	15	aro1248
1203		sv16b016.d	1000.00 ml	31-JUL-2006 21:08	1.000	tls	16	aro1254
1206		sv16b017.d	1000.00 ml	31-JUL-2006 21:27	1.000	tls	17	aro1260
1201		sv16b018.d	1000.00 ml	31-JUL-2006 21:45	1.000	tls	18	aro1260
1202		sv16b019.d	1000.00 ml	31-JUL-2006 22:04	1.000	tls	19	aro1260
1203		sv16b020.d	1000.00 ml	31-JUL-2006 22:23	1.000	tls	20	aro1260
1204		sv16b021.d	1000.00 ml	31-JUL-2006 22:41	1.000	tls	21	aro1260
1205		sv16b022.d	1000.00 ml	31-JUL-2006 23:00	1.000	tls	22	aro1260
1600		sv16b023.d	1.00 ml	31-JUL-2006 23:19	1.000	tls	23	aro1260
deg		sv16b024.d	1000.00 ml	31-JUL-2006 23:37	1.000	tls	24	deg

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167638

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/30/2006
Instrument: gcsv16b.i
Method File: /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Batch: /var/chem/gcsv16b.i/2060807.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16b001.d	1000.00 ml	07-AUG-2006 10:27	1.000	tls	1	deg
1400		sv16b002.d	1000.00 ml	07-AUG-2006 10:46	1.000	tls	2	8081
1400		sv16b003.d	1000.00 ml	07-AUG-2006 11:04	1.000	tls	3	aro1260
1400		sv16b014.d	1000.00 ml	07-AUG-2006 16:01	1.000	tls	14	8081
1400		sv16b015.d	1000.00 ml	07-AUG-2006 16:19	1.000	tls	15	8081
1400		sv16b016.d	1000.00 ml	07-AUG-2006 16:38	1.000	tls	16	aro1260
20608042804		sv16b017.d	1000.00 ml	07-AUG-2006 16:56	1.000	tls	17	8081
20608042805		sv16b018.d	1000.00 ml	07-AUG-2006 17:15	1.000	tls	18	8081
20608042806		sv16b019.d	1000.00 ml	07-AUG-2006 17:34	1.000	tls	19	8081
20608042808		sv16b020.d	1000.00 ml	07-AUG-2006 17:52	1.000	tls	20	8081
20608042809		sv16b021.d	1000.00 ml	07-AUG-2006 18:11	1.000	tls	21	8081
20608042810		sv16b022.d	1000.00 ml	07-AUG-2006 18:30	1.000	tls	22	8081
20608042811		sv16b023.d	1000.00 ml	07-AUG-2006 18:48	1.000	tls	23	all
20608043109		sv16b024.d	1000.00 ml	07-AUG-2006 19:07	1.000	tls	24	8081
1400		sv16b025.d	1000.00 ml	07-AUG-2006 19:26	1.000	tls	25	8081
1400		sv16b026.d	1000.00 ml	07-AUG-2006 19:44	1.000	tls	26	8081
1400		sv16b027.d	1000.00 ml	07-AUG-2006 20:03	1.000	tls	27	aro1260
deg		sv16b028.d	1000.00 ml	07-AUG-2006 20:22	1.000	tls	28	deg
20608042401		sv16b034.d	1000.00 ml	07-AUG-2006 22:14	1.000	tls	34	8081
20608042402		sv16b035.d	1000.00 ml	07-AUG-2006 22:33	1.000	tls	35	8081
20608042404		sv16b036.d	1000.00 ml	07-AUG-2006 22:51	1.000	tls	36	8081
1400		sv16b039.d	1000.00 ml	07-AUG-2006 23:47	1.000	tls	39	8081
1400		sv16b040.d	1000.00 ml	08-AUG-2006 00:06	1.000	tls	40	8081
1400		sv16b041.d	1000.00 ml	08-AUG-2006 00:24	1.000	tls	41	aro1260
20608042407		sv16b044.d	1000.00 ml	08-AUG-2006 01:20	1.000	tls	44	8081
20608042408		sv16b045.d	1000.00 ml	08-AUG-2006 01:39	1.000	tls	45	8081
20608042409		sv16b046.d	1000.00 ml	08-AUG-2006 01:58	1.000	tls	46	8081
20608042410		sv16b047.d	1000.00 ml	08-AUG-2006 02:16	1.000	tls	47	8081
20608042411		sv16b048.d	1000.00 ml	08-AUG-2006 02:35	1.000	tls	48	all
20608042412		sv16b049.d	1000.00 ml	08-AUG-2006 02:54	1.000	tls	49	8081
20608042413		sv16b050.d	1000.00 ml	08-AUG-2006 03:12	1.000	tls	50	8081
20608042414		sv16b051.d	1000.00 ml	08-AUG-2006 03:31	1.000	tls	51	8081
1400		sv16b052.d	1000.00 ml	08-AUG-2006 03:50	1.000	tls	52	8081
1400		sv16b053.d	1000.00 ml	08-AUG-2006 04:08	1.000	tls	53	8081
1400		sv16b054.d	1000.00 ml	08-AUG-2006 04:27	1.000	tls	54	aro1260
20608042416		sv16b055.d	1000.00 ml	08-AUG-2006 04:46	1.000	tls	55	8081

167639

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/30/2006
Instrument: gcsv16b.i
Method File: /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Batch: /var/chem/gcsv16b.i/2060807.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20608042421		sv16b056.d	1000.00 ml	08-AUG-2006 05:04	1.000	tls	56	8081
20608042423		sv16b057.d	1000.00 ml	08-AUG-2006 05:23	1.000	tls	57	8081
1400		sv16b058.d	1000.00 ml	08-AUG-2006 05:42	1.000	tls	58	8081
1400		sv16b059.d	1000.00 ml	08-AUG-2006 06:00	1.000	tls	59	8081
1400		sv16b060.d	1000.00 ml	08-AUG-2006 06:19	1.000	tls	60	aro1260

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167640

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/04/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2060802b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
deg		sv18a009.d	02-AUG-2006 19:31	1.000	tls	deg
1206		sv18a010.d	02-AUG-2006 19:50	1.000	tls	8081
1201		sv18a011.d	02-AUG-2006 20:09	1.000	tls	8081
1202		sv18a012.d	02-AUG-2006 20:28	1.000	tls	8081
1203		sv18a013.d	02-AUG-2006 20:47	1.000	tls	8081
1204		sv18a014.d	02-AUG-2006 21:06	1.000	tls	8081
1205		sv18a015.d	02-AUG-2006 21:24	1.000	tls	8081
1600		sv18a016.d	02-AUG-2006 21:43	1.000	tls	8081
1205		sv18a017.d	02-AUG-2006 22:02	1.000	tls	chlor
1201		sv18a018.d	02-AUG-2006 22:20	1.000	tls	tox
1205		sv18a019.d	02-AUG-2006 22:39	1.000	tls	tox
1203		sv18a020.d	02-AUG-2006 22:58	1.000	tls	aro1221
1203		sv18a021.d	02-AUG-2006 23:17	1.000	tls	aro1232
1203		sv18a022.d	02-AUG-2006 23:35	1.000	tls	aro1242
1203		sv18a023.d	02-AUG-2006 23:54	1.000	tls	aro1248
1203		sv18a024.d	03-AUG-2006 00:13	1.000	tls	aro1254
1206		sv18a025.d	03-AUG-2006 00:31	1.000	tls	aro1260
1201		sv18a026.d	03-AUG-2006 00:49	1.000	tls	aro1260
1202		sv18a027.d	03-AUG-2006 01:08	1.000	tls	aro1260
1203		sv18a028.d	03-AUG-2006 01:27	1.000	tls	aro1260
1204		sv18a029.d	03-AUG-2006 01:45	1.000	tls	aro1260
1205		sv18a030.d	03-AUG-2006 02:04	1.000	tls	aro1260
1600		sv18a031.d	03-AUG-2006 02:23	1.000	tls	aro1260
deg		sv18a032.d	03-AUG-2006 02:41	1.000	tls	deg
20607201907		sv18a033.d	03-AUG-2006 03:00	10.000	tls	all
20607201908		sv18a034.d	03-AUG-2006 03:19	10.000	tls	all
20607201225		sv18a035.d	03-AUG-2006 03:37	10.000	tls	all
20607201909		sv18a036.d	03-AUG-2006 03:56	1.000	tls	all
20607201911		sv18a037.d	03-AUG-2006 04:15	1.000	tls	all
20607201912		sv18a038.d	03-AUG-2006 04:33	1.000	tls	all
20607201913		sv18a039.d	03-AUG-2006 04:52	1.000	tls	all
20607201914		sv18a040.d	03-AUG-2006 05:11	1.000	tls	all
20607201915		sv18a041.d	03-AUG-2006 05:29	1.000	tls	all
20607201222		sv18a042.d	03-AUG-2006 05:48	1.000	tls	ar1260s
1400		sv18a043.d	03-AUG-2006 06:07	1.000	tls	8081
1400		sv18a044.d	03-AUG-2006 06:25	1.000	tls	8081

REVISED 6-1-95 Supervisor Review: QA Review:

001180

167641

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/04/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2060802b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
1400		sv18a045.d	03-AUG-2006 06:44	1.000	tls	aro1260
20607201223		sv18a046.d	03-AUG-2006 07:03	1.000	tls	ar1260s
1400		sv18a047.d	03-AUG-2006 07:21	1.000	tls	8081
1400		sv18a048.d	03-AUG-2006 07:40	1.000	tls	8081
1400		sv18a049.d	03-AUG-2006 07:59	1.000	tls	aro1260
deg		sv18a050.d	03-AUG-2006 10:10	1.000	tls	deg
1400		sv18a051.d	03-AUG-2006 10:28	1.000	tls	8081
1400		sv18a052.d	03-AUG-2006 10:47	1.000	tls	aro1260
1400		sv18a054.d	03-AUG-2006 12:39	1.000	hjl	8081
1400		sv18a055.d	03-AUG-2006 12:58	1.000	hjl	aro1260
20607201222		sv18a056.d	03-AUG-2006 14:12	1.000	hjl	ar1260s
20607201907		sv18a057.d	03-AUG-2006 14:30	20.000	hjl	all
20607201908		sv18a058.d	03-AUG-2006 14:49	50.000	hjl	all
20607201909		sv18a059.d	03-AUG-2006 15:07	10.000	hjl	all
20607201912		sv18a060.d	03-AUG-2006 15:26	5.000	hjl	all
1400		sv18a061.d	03-AUG-2006 15:45	1.000	tls	8081
1400		sv18a062.d	03-AUG-2006 16:06	1.000	hjl	8081
1400		sv18a063.d	03-AUG-2006 16:24	1.000	hjl	aro1260

REVISED 6-1-95 Supervisor Review: QA Review:

001181

167642

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/14/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2060811.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-AUG-2006 10:21	1.000	tls	1	deg
1400		sv18a002.d	1000.00 ml	11-AUG-2006 10:40	1.000	tls	2	8081
1400		sv18a003.d	1000.00 ml	11-AUG-2006 10:59	1.000	tls	3	aro1260
397860		sv18a004.d	30.00 g	11-AUG-2006 11:44	1.000	tls	4	all
397861		sv18a005.d	30.00 g	11-AUG-2006 12:03	1.000	tls	5	8081
397862		sv18a006.d	30.00 g	11-AUG-2006 12:21	1.000	tls	6	8081
397864		sv18a007.d	30.00 g	11-AUG-2006 12:40	1.000	tls	7	ar1260s
397865		sv18a008.d	30.00 g	11-AUG-2006 12:59	1.000	tls	8	ar1260s
20607210613		sv18a009.d	30.00 g	11-AUG-2006 13:17	10.000	tls	9	all
20607210711		sv18a010.d	30.10 g	11-AUG-2006 13:36	2.000	tls	10	all
20608043104		sv18a011.d	30.00 g	11-AUG-2006 13:55	10.000	tls	11	all
20608043105		sv18a012.d	30.50 g	11-AUG-2006 14:13	10.000	tls	12	all
20608043106		sv18a013.d	30.50 g	11-AUG-2006 14:32	10.000	tls	13	all
1400		sv18a014.d	1000.00 ml	11-AUG-2006 14:51	1.000	tls	14	8081
1400		sv18a015.d	1000.00 ml	11-AUG-2006 15:12	1.000	tls	15	8081
1400		sv18a016.d	1000.00 ml	11-AUG-2006 15:30	1.000	tls	16	aro1260

167643

2E

WATER ORGANIC SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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

Method: SW-846 8082

	EPA SAMPLE NO.	SMC1 1-(1)	Lo	Hi	F	SMC1 1-(2)	Lo	Hi	F	SMC2 2-(1)	Lo	Hi	F	SMC2 2-(2)	Lo	Hi	F	TOT OUT
1.	FWPSE-006-EB	43	34	135														0
2.	MB397842	56	34	135														0
3.	LCS397843	63	34	135														0
4.	LCSD397844	53	34	135														0

SMC 1 : Decachlorobiphenyl SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

001183

167644

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

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.	FWPSE01-001-(0-0.5)	0	D							0
2.	FWPSE01-001-(0-0.5) MS	0	D							0
3.	FWPSE01-001-(0-0.5) MSD	0	D							0
4.	SE-501-(0-0.5)	0	D							0
5.	FWPSE04-004-(0-0.5)	0	D							0
6.	FWPSE02-002-(0-0.5)	0	D							0
7.	FWPSE03-003-(0-0.5)	0	D							0
8.	FWPSE05-005-(0-0.5)	0	D							0
9.	MB397863	94								0
10.	LCS397864	95								0
11.	LCSD397865	88								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

001184

167645

3E

WATER ORGANICS LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8082

Prep Batch: 329584 Analytical Batch: 329858

SAMPLE NO : 397843

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/L	.002	0	.00152	76		55 - 131
Aroclor-1260	mg/L	.002	0	.0017	85		51 - 138

SAMPLE NO : 397844

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
Aroclor-1016	mg/L	.002	.00154	77		1		55 - 131	0 - 35
Aroclor-1260	mg/L	.002	.00169	85		.6		51 - 138	0 - 34

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

001185

167646

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8082

Prep Batch: 329587 Analytical Batch: 330424

Spike HSN : 397864

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Aroclor-1016	mg/kg	.067	0	.051	76		62 - 124
Aroclor-1260	mg/kg	.067	0	.063	95		62 - 129

Spike Dupe HSN : 397865

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	mg/kg	.067	.049	74		4		62 - 124	0 - 31
Aroclor-1260	mg/kg	.067	.062	92		2		62 - 129	0 - 36

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

001186

167647

3E
WATER ORGANICS MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSW01-001

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8082

Prep Batch: 329584 Analytical Batch: 329858

SAMPLE NO : 20608042802

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/L	.002	0	.00135	68		50 - 139
Aroclor-1260	mg/L	.002	0	.0014	70		47 - 143

SAMPLE NO : 20608042803

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
Aroclor-1016	mg/L	.002	.00153	77		13		50 - 139	0 - 40
Aroclor-1260	mg/L	.002	.00151	76		8		47 - 143	0 - 40

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

001187

167648

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: FWPSE01-001-(0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Contract: Method: SW-846 8082

Prep Batch: 329587 Analytical Batch: 330424

Spike HSN : 20608043102

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Aroclor-1016	mg/kg	.114	0	1.26	1110	*	40 - 154
Aroclor-1260	mg/kg	.114	0	.741	651	*	40 - 168

Spike Dupe HSN : 20608043103

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	mg/kg	.114	.999	873	*	23		40 - 154	0 - 43
Aroclor-1260	mg/kg	.114	.913	798	*	21		40 - 168	0 - 50

RPD : 0 out of 2 outside limits

Spike Recovery: 4 out of 4 outside limits

001188

167649

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB397842

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

Lab Sample ID: 397842 | SAS No.: | SDG No.: 206080431

Matrix: Water | Sulfur Cleanup: (Y/N) N | Date Extracted: 08/05/06

Date Analyzed (1): 08/07/06 | Time (1): 1207 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS16A | Instrument ID (2):

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

Method: SW-846 8082 | Prep Batch: 329584 | Analytical Batch: 329858

Lab File ID: 2060807/SV16A0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS397843	397843	08/07/06	1303		
2.	LCSD397844	397844	08/07/06	1321		
3.	FWPSE-006-EB	20608043109	08/07/06	1848		

001189

167650

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB397863

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

Lab Sample ID: 397863 | SAS No.: | SDG No.: 206080431

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 08/05/06

Date Analyzed (1): 08/11/06 | Time (1): 1144 | 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: 329587 | Analytical Batch: 330424

Lab File ID: 2060811/SV18A0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS397864	397864	08/11/06	1240		
2.	LCSD397865	397865	08/11/06	1259		
3.	FWPSE01-001-(0-0.5)	20608043101	08/11/06	1736		
4.	FWPSE01-001-(0-0.5) MS	20608043102	08/11/06	1928		
5.	FWPSE01-001-(0-0.5) MSD	20608043103	08/11/06	2005		
6.	SE-501-(0-0.5)	20608043104	08/11/06	2043		
7.	FWPSE04-004-(0-0.5)	20608043105	08/11/06	2120		
8.	FWPSE02-002-(0-0.5)	20608043106	08/11/06	2157		
9.	FWPSE03-003-(0-0.5)	20608043107	08/11/06	2235		
10.	FWPSE05-005-(0-0.5)	20608043108	08/11/06	2312		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE01-001-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20608043101

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1350

% Moisture: 42.0 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1736

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.71	U	0.230	1.71
11104-28-2	Aroclor-1221	1.71	U	0.392	1.71
11141-16-5	Aroclor-1232	1.71	U	0.430	1.71
53469-21-9	Aroclor-1242	1.71	U	0.502	1.71
12672-29-6	Aroclor-1248	1.71	U	0.334	1.71
11097-69-1	Aroclor-1254	1.71	U	0.278	1.71
11096-82-5	Aroclor-1260	1.71	U	0.232	1.71

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a004.d
Report Date: 14-Aug-2006 13:54

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a004.d
Lab Smp Id: 20608043101
Inj Date : 11-AUG-2006 17:36
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043101*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 4
Dil Factor: 50.00000
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	50.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

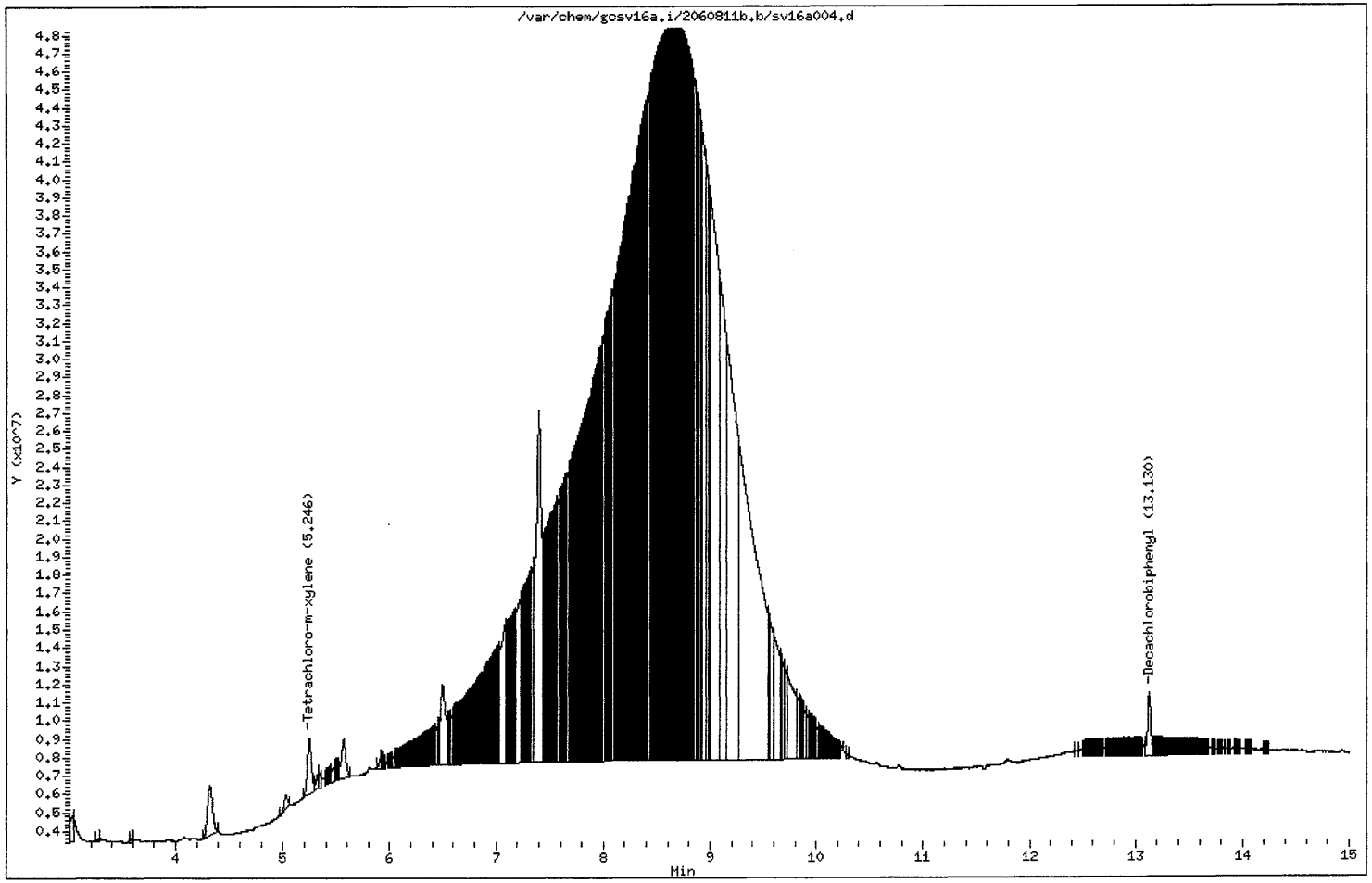
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.246	5.259	-0.013	7958191	1.74030	14
$ 22 Decachlorobiphenyl	13.130	13.123	0.007	7148890	2.04948	17

001192

167653

Data File: /var/chem/gosv16a.i/2060811b.b/sv16a004.d
Date : 11-AUG-2006 17:36
Client ID:
Sample Info: 20608043101x50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gosv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-501-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043104

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1405

% Moisture: 43.2 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2043

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A014

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.76	U	0.236	1.76
11104-28-2	Aroclor-1221	1.76	U	0.403	1.76
11141-16-5	Aroclor-1232	1.76	U	0.442	1.76
53469-21-9	Aroclor-1242	1.76	U	0.516	1.76
12672-29-6	Aroclor-1248	1.76	U	0.344	1.76
11097-69-1	Aroclor-1254	1.76	U	0.286	1.76
11096-82-5	Aroclor-1260	1.76	U	0.238	1.76

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Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a014.d
Report Date: 14-Aug-2006 13:55

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a014.d
Lab Smp Id: 20608043104
Inj Date : 11-AUG-2006 20:43
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043104*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 14
Dil Factor: 50.00000
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	50.00000	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

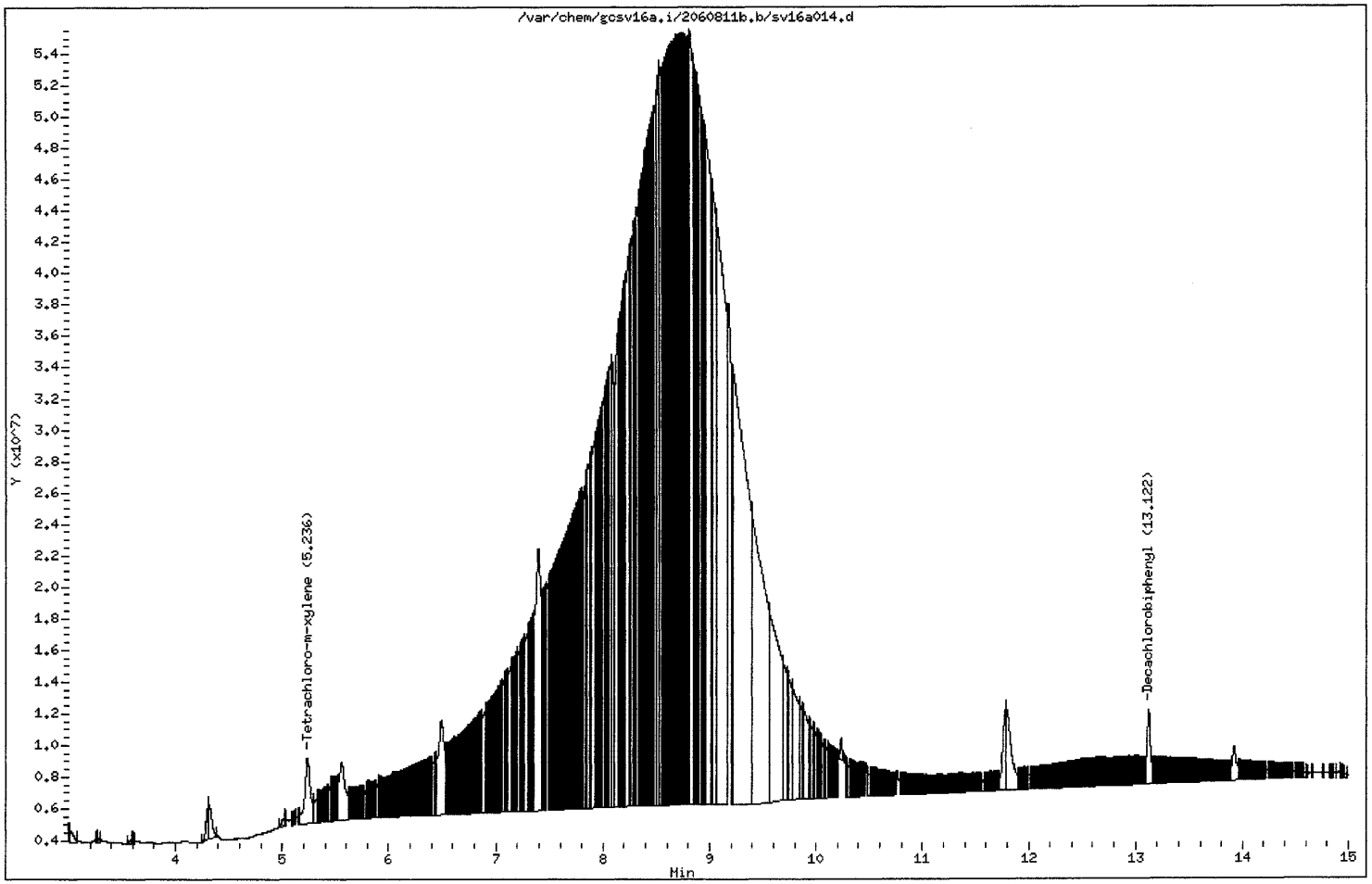
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.236	5.259	-0.023	14962764	3.27207	27
$ 22 Decachlorobiphenyl	13.122	13.123	-0.001	11127866	3.19019	27

167656

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a014.d
Date : 11-AUG-2006 20:43
Client ID:
Sample Info: 20608043104x50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 42.5 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: 329587 Analytical Batch: 330424

CONCENTRATION UNITS: *mg/kg*

Sample ID: FWPSE04-004-(0-0.5)
Contract:
SAS No.: SDG No.: 206080431
Lab Sample ID: 20608043105
Date Collected: 08/02/06 Time: 1420
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/11/06 Time: 2120
Dilution Factor: 50 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8082
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2060811B/SV16A016

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.71	U	0.230	1.71
11104-28-2	Aroclor-1221	1.71	U	0.392	1.71
11141-16-5	Aroclor-1232	1.71	U	0.430	1.71
53469-21-9	Aroclor-1242	1.71	U	0.501	1.71
12672-29-6	Aroclor-1248	1.71	U	0.334	1.71
11097-69-1	Aroclor-1254	1.71	U	0.277	1.71
11096-82-5	Aroclor-1260	1.71	U	0.232	1.71

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a016.d
Report Date: 14-Aug-2006 13:55

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a016.d
Lab Smp Id: 20608043105
Inj Date : 11-AUG-2006 21:20
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043105*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 16
Dil Factor: 50.00000
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	50.00000	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	5.238	5.259	-0.021	10305587	2.25364	18
$ 22 Decachlorobiphenyl	13.122	13.123	-0.001	9724084	2.78775	23

001198

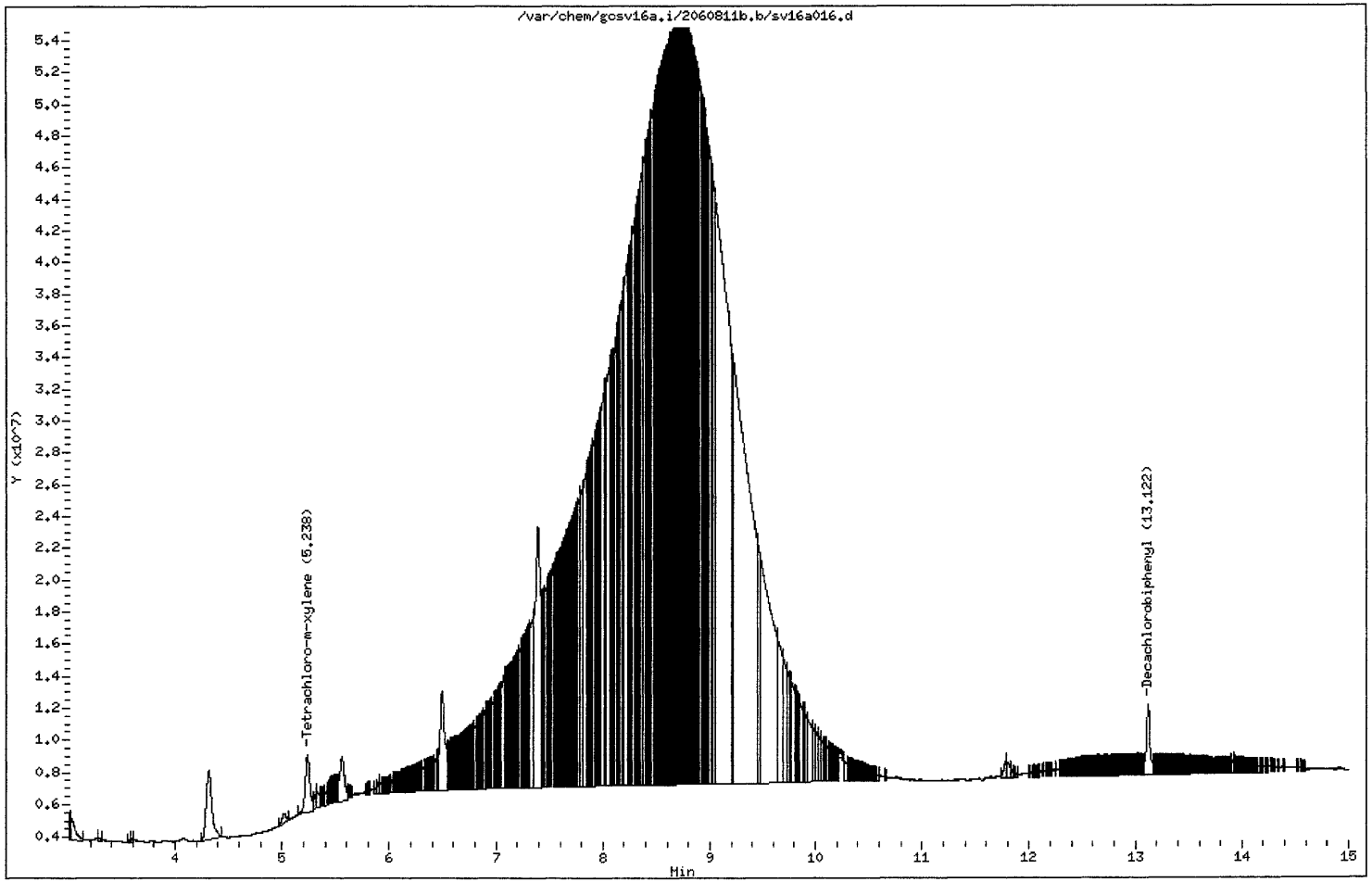
167659

001199

Data File: /var/chem/gosv16a.i/2060811b.b/sv16a016.d
Date : 11-AUG-2006 21:20
Client ID:
Sample Info: 20608043105M50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gosv16a.i

Operator: tls
Column diameter: 0.32



167660

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: 56.0 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: 329587 Analytical Batch: 330424

CONCENTRATION UNITS: *mg/kg*

Sample ID: FWPSE02-002-(0-0.5)
Contract:
SAS No.: SDG No.: 206080431
Lab Sample ID: 20608043106
Date Collected: 08/02/06 Time: 1500
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/11/06 Time: 2157
Dilution Factor: 50 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8082
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2060811B/SV16A018

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	2.24	U	0.300	2.24
11104-28-2	Aroclor-1221	2.24	U	0.513	2.24
11141-16-5	Aroclor-1232	2.24	U	0.562	2.24
53469-21-9	Aroclor-1242	2.24	U	0.656	2.24
12672-29-6	Aroclor-1248	2.24	U	0.437	2.24
11097-69-1	Aroclor-1254	2.24	U	0.363	2.24
11096-82-5	Aroclor-1260	2.24	U	0.303	2.24

001200

167661

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a018.d
Report Date: 14-Aug-2006 13:55

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a018.d
Lab Smp Id: 20608043106
Inj Date : 11-AUG-2006 21:57
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043106*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 18
Dil Factor: 50.00000
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	50.00000	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	5.237	5.259	-0.022	29273012	6.40145	52
$ 22 Decachlorobiphenyl	13.122	13.123	-0.001	12777993	3.66325	30

001201

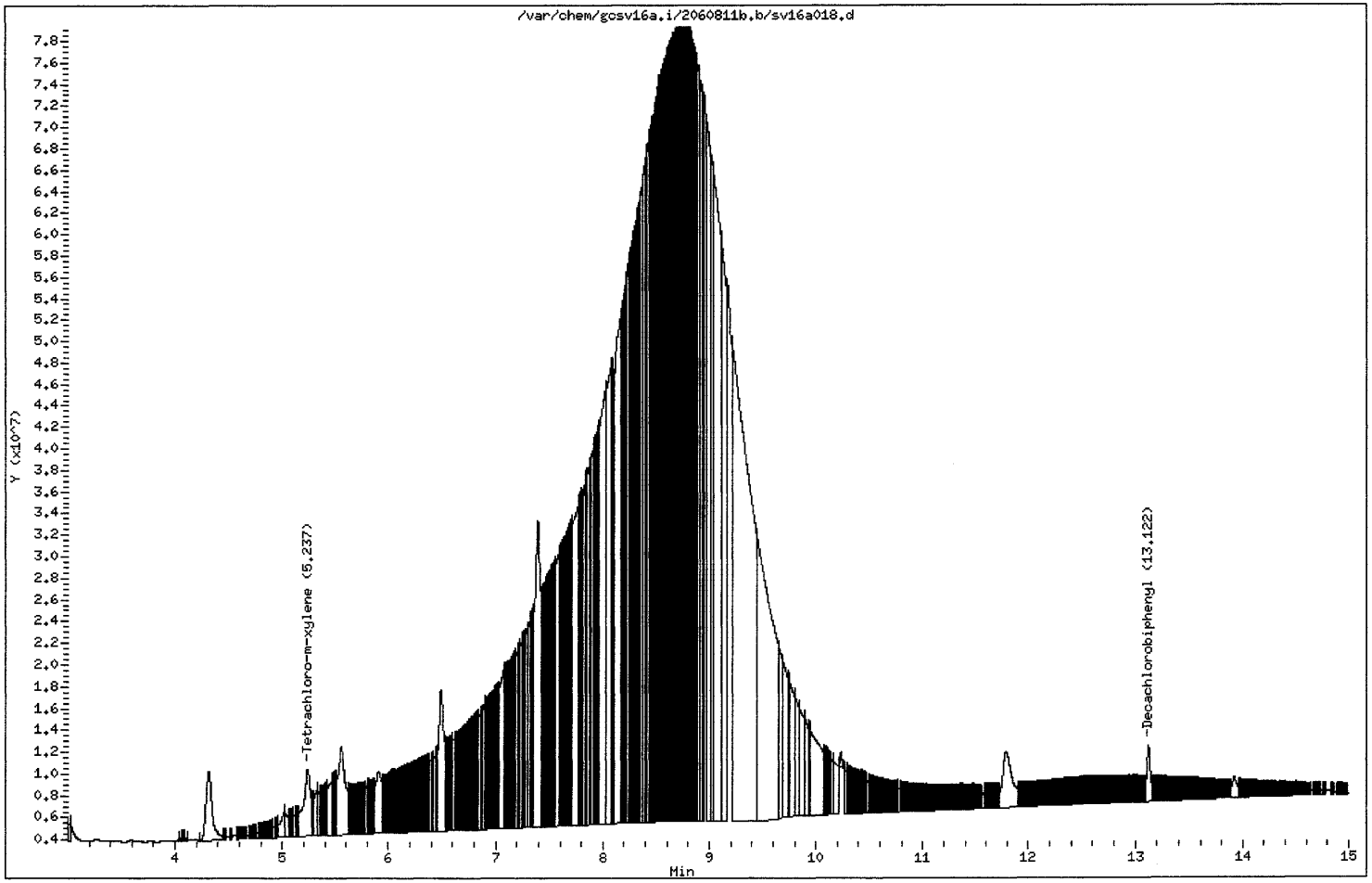
167662

001202

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a018.d
Date : 11-AUG-2006 21:57
Client ID:
Sample Info: 20608043106x50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



167663

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE03-003-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043107

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1525

% Moisture: 44.4 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2235

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A020

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.80	U	0.241	1.80
11104-28-2	Aroclor-1221	1.80	U	0.412	1.80
11141-16-5	Aroclor-1232	1.80	U	0.452	1.80
53469-21-9	Aroclor-1242	1.80	U	0.527	1.80
12672-29-6	Aroclor-1248	1.80	U	0.351	1.80
11097-69-1	Aroclor-1254	1.80	U	0.292	1.80
11096-82-5	Aroclor-1260	1.80	U	0.244	1.80

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a020.d
Report Date: 14-Aug-2006 13:55

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a020.d
Lab Smp Id: 20608043107
Inj Date : 11-AUG-2006 22:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043107*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 20
Dil Factor: 50.00000
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	50.00000	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	5.235	5.259	-0.024	4199432	0.91834	7.7
$ 22 Decachlorobiphenyl	13.123	13.123	0.000	8901803	2.55201	21

001204

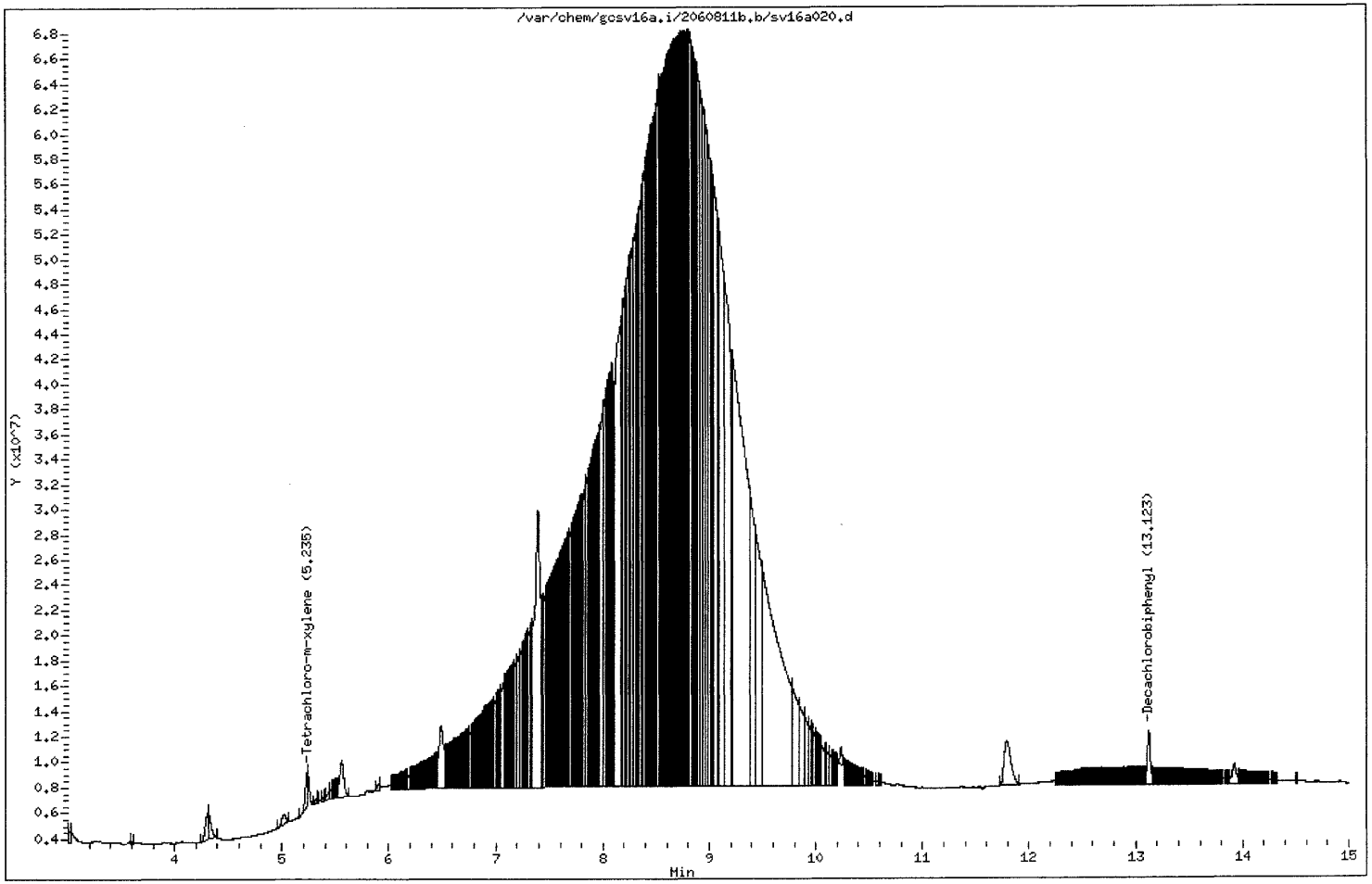
167665

001205

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a020.d
Date : 11-AUG-2006 22:35
Client ID:
Sample Info: 20608043107x50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



167666

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE05-005-(0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20608043108

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1550

% Moisture: 46.8 | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 2312

Soil Aliquot Volume: (µL) | Dilution Factor: 50 | Analyst: TLS

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811B/SV16A022

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.88	U	0.252	1.88
11104-28-2	Aroclor-1221	1.88	U	0.431	1.88
11141-16-5	Aroclor-1232	1.88	U	0.472	1.88
53469-21-9	Aroclor-1242	1.88	U	0.551	1.88
12672-29-6	Aroclor-1248	1.88	U	0.367	1.88
11097-69-1	Aroclor-1254	1.88	U	0.305	1.88
11096-82-5	Aroclor-1260	1.88	U	0.254	1.88

001206

167667

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a022.d
Report Date: 14-Aug-2006 14:02

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a022.d
Lab Smp Id: 20608043108
Inj Date : 11-AUG-2006 23:12
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043108*50
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:55 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 22
Dil Factor: 50.00000
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	50.00000	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	5.235	5.259	-0.024	21540498	4.71050	39
$ 22 Decachlorobiphenyl	13.121	13.123	-0.002	12934207	3.70804	31

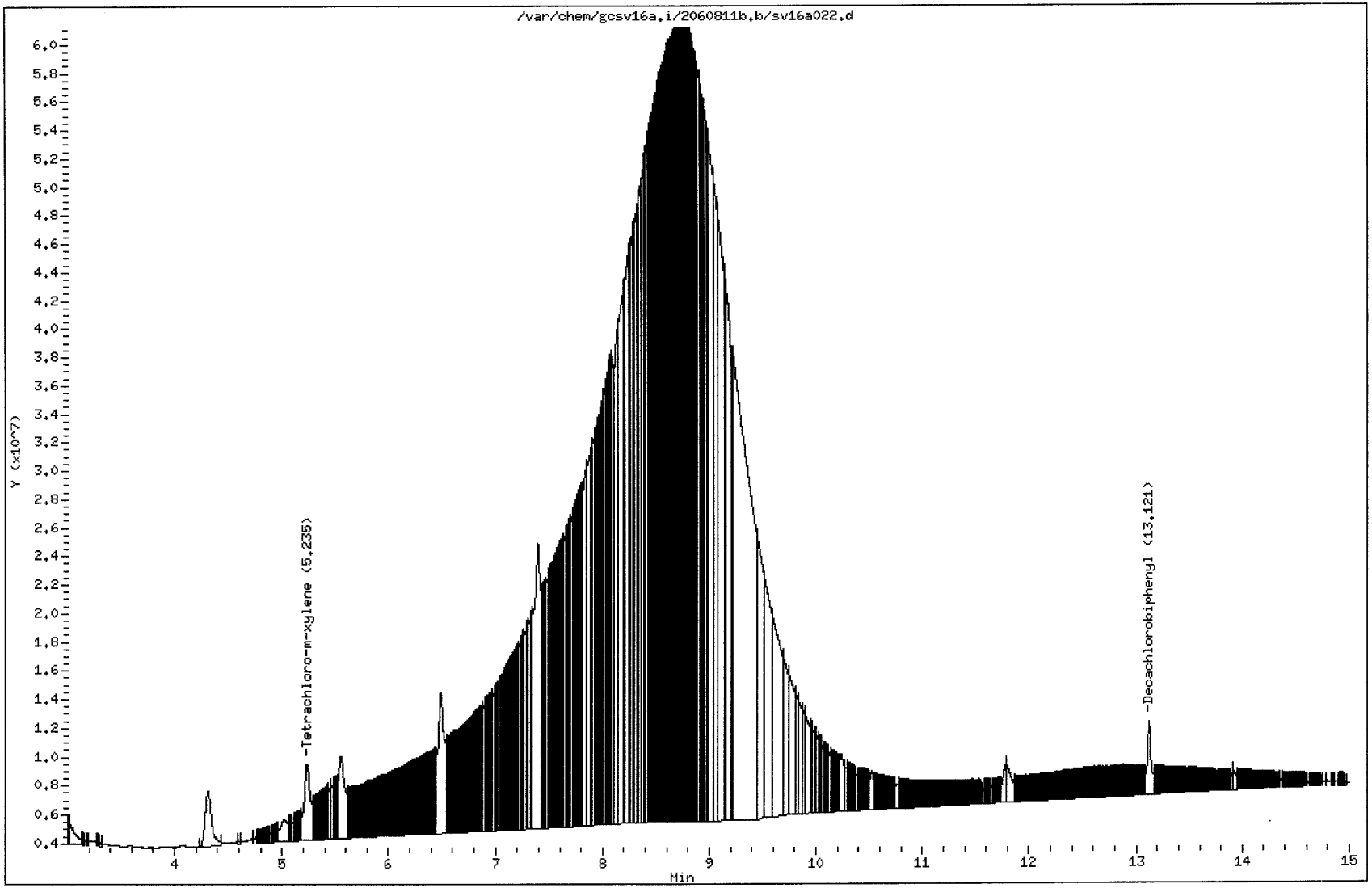
001207

167668

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a022.d
Date : 11-AUG-2006 23:12
Client ID:
Sample Info: 20608043108*50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001208



167669

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE-006-EB

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 20608043109

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1615

% Moisture: | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1848

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

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329584 | Analytical Batch: 329858 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.000500	U	0.000125	0.000500
11104-28-2	Aroclor-1221	0.000500	U	0.000115	0.000500
11141-16-5	Aroclor-1232	0.000500	U	0.000100	0.000500
53469-21-9	Aroclor-1242	0.000500	U	0.000125	0.000500
12672-29-6	Aroclor-1248	0.000500	U	0.000065	0.000500
11097-69-1	Aroclor-1254	0.000500	U	0.000105	0.000500
11096-82-5	Aroclor-1260	0.000500	U	0.000120	0.000500

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a024.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a024.d
Lab Smp Id: 20608043109
Inj Date : 07-AUG-2006 18:48
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043109*1
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

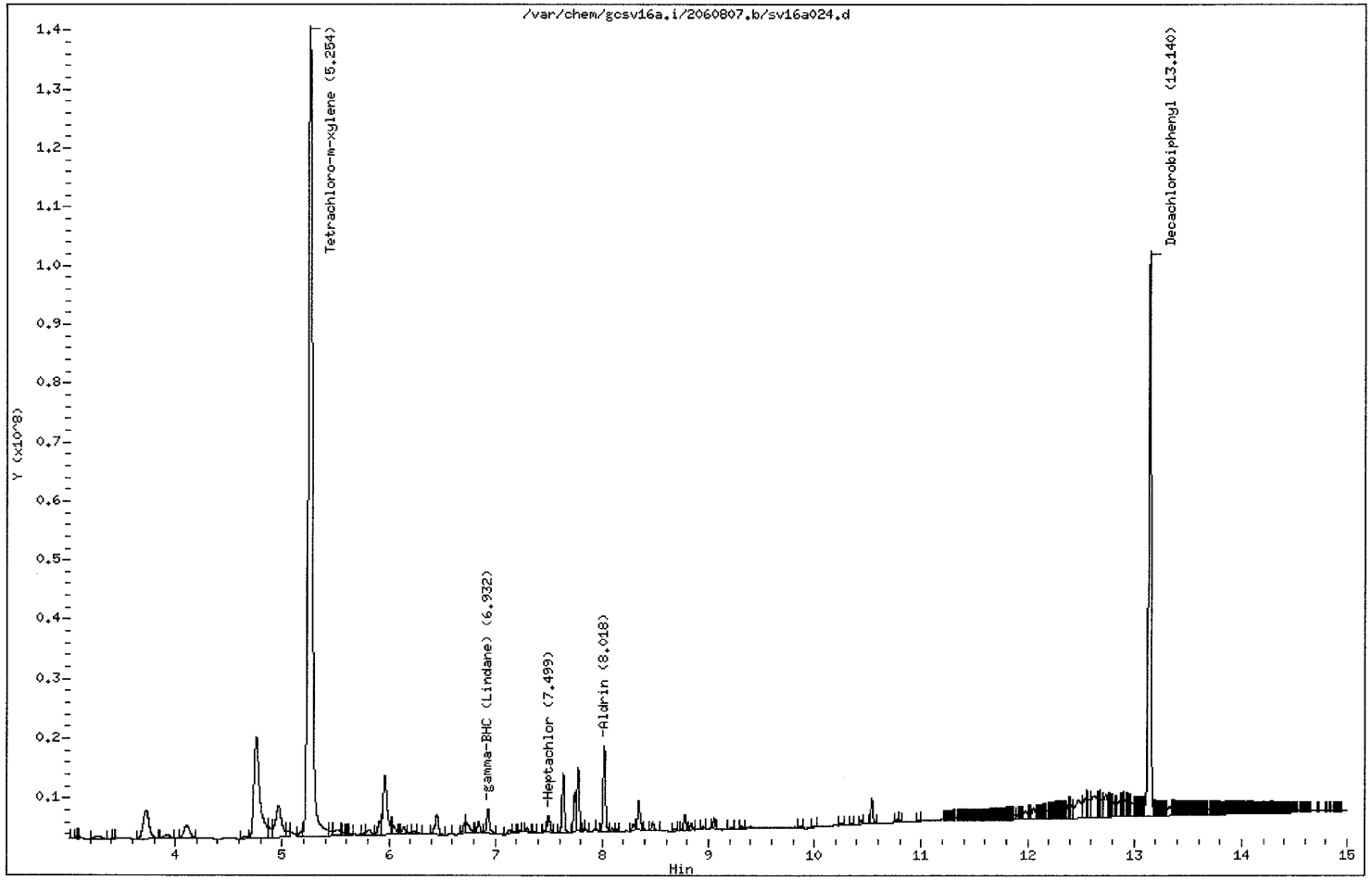
						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(UG/L)	(UG/L)
$ 1 Tetrachloro-m-xylene	5.254	5.262	-0.008	364004144		79.6008	0.40
3 gamma-BHC (Lindane)	6.932	6.956	-0.024	7645554		1.49642	0.0075
4 Heptachlor	7.499	7.526	-0.027	4410986		0.90175	0.0045
5 Aldrin	8.018	7.995	0.023	22335539		4.61964	0.023
$ 22 Decachlorobiphenyl	13.140	13.156	-0.016	151608860		43.4639	0.22

167671

001211

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a024.d
Date : 07-AUG-2006 18:48
Client ID:
Sample Info: 20608043109*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



167672

Report Date : 31-Aug-2006 08:40

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv16a.i/2060731.b/sv16a018.d
Level 2: /var/chem/gcsv16a.i/2060731.b/sv16a019.d
Level 3: /var/chem/gcsv16a.i/2060731.b/sv16a020.d
Level 4: /var/chem/gcsv16a.i/2060731.b/sv16a021.d
Level 5: /var/chem/gcsv16a.i/2060731.b/sv16a022.d
Level 6: /var/chem/gcsv16a.i/2060731.b/sv16a017.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	5420502	5652317	5907998	5934829	5856441	5294300	5677731	4.758
	3 gamma-BHC (Lindane)	4977402	5062508	5203148	5178373	5124639	+++++	5109214	1.789
	4 Heptachlor	4956580	4927761	5007922	4831724	4733933	+++++	4891584	2.228
	5 Aldrin	4715431	4794830	4895296	4920025	4848966	+++++	4834910	1.698
	6 beta-BHC	2632182	2346217	2271275	2291567	2255304	+++++	2359309	6.627
	7 delta-BHC	4740001	4914094	5068499	5115035	5094508	+++++	4986427	3.185
	8 Heptachlor epoxide	4519558	4342509	4391290	4383034	4318927	+++++	4391064	1.769
	9 Endosulfan I	4047961	4005770	4062794	4036225	3996608	+++++	4029872	0.695
	10 gamma-Chlordane	4477382	4370935	4395102	4417545	4348889	+++++	4401971	1.122
	11 alpha-Chlordane	4247441	4142114	4168619	4204660	4138375	+++++	4180242	1.100
	12 4,4'-DDE	4573789	4579240	4623343	4644940	4587643	+++++	4601791	0.671
	13 Dieldrin	4607860	4627109	4696590	4716398	4657691	+++++	4661130	0.978
	14 Endrin	3414734	3421692	3494531	3474686	3491502	+++++	3459429	1.112
	15 4,4'-DDD	3753086	3804117	3897971	3904577	3866261	+++++	3845202	1.692
	16 Endosulfan II	3903714	3864331	3937971	3930796	3896231	+++++	3906609	0.754
	17 4,4'-DDT	3819072	3888612	4032735	3960405	3926318	+++++	3925428	2.030
	18 Endrin aldehyde	3475288	3353055	3383165	3362495	3293287	+++++	3373458	1.957
	19 Methoxychlor	2086956	2073581	2151740	2127332	2126764	+++++	2113275	1.520
	20 Endosulfan sulfate	3100670	3137720	3266912	3265018	3248850	+++++	3203834	2.456
	21 Endrin ketone	3780344	3776648	3923205	3911343	3893759	+++++	3857060	1.879
M	23 AR 1016-AVG	853242	811077	765278	753644	730113	910485	803973	8.492

001212

167673

Report Date : 31-Aug-2006 08:40

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 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	97852	96300	89467	83053	78429	104191	91549	10.599
	25 AR 1016-PEAK2	211069	197612	184625	179836	173310	226760	195535	10.431
	26 AR 1016-PEAK3	402590	385013	366802	368704	360333	427306	385124	6.675
	27 AR 1016-PEAK4	141731	132153	124384	122051	118042	152228	131765	9.927
M	28 AR 1260-AVG	1136284	1099972	1091260	1109652	1074196	1189204	1116761	3.675
	29 AR 1260-PEAK1	148577	138700	129931	129003	126536	162413	139194	10.044
	30 AR 1260-PEAK2	224586	214109	204273	205458	203224	238742	215065	6.579
	31 AR 1260-PEAK3	270843	260429	249280	252564	250211	288119	261908	5.797
	32 AR 1260-PEAK4	492279	486733	507776	522626	494225	499930	500595	2.588
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	99913	+++++	+++++	+++++	99913	0.000
	38 AR 1221-PEAK1	+++++	+++++	33460	+++++	+++++	+++++	33460	0.000
	39 AR 1221-PEAK2	+++++	+++++	11575	+++++	+++++	+++++	11575	0.000
	40 AR 1221-PEAK3	+++++	+++++	30820	+++++	+++++	+++++	30820	0.000
	41 AR 1221-PEAK4	+++++	+++++	24058	+++++	+++++	+++++	24058	0.000
M	42 AR 1232-AVG	+++++	+++++	404968	+++++	+++++	+++++	404968	0.000
	43 AR 1232-PEAK1	+++++	+++++	108492	+++++	+++++	+++++	108492	0.000
	44 AR 1232-PEAK2	+++++	+++++	88075	+++++	+++++	+++++	88075	0.000
	45 AR 1232-PEAK3	+++++	+++++	148748	+++++	+++++	+++++	148748	0.000
	46 AR 1232-PEAK4	+++++	+++++	59654	+++++	+++++	+++++	59654	0.000
M	47 AR 1242-AVG	+++++	+++++	630055	+++++	+++++	+++++	630055	0.000
	48 AR 1242-PEAK1	+++++	+++++	144159	+++++	+++++	+++++	144159	0.000
	49 AR 1242-PEAK2	+++++	+++++	284067	+++++	+++++	+++++	284067	0.000
	50 AR 1242-PEAK3	+++++	+++++	96351	+++++	+++++	+++++	96351	0.000
	51 AR 1242-PEAK4	+++++	+++++	105477	+++++	+++++	+++++	105477	0.000
M	52 AR 1248-AVG	+++++	+++++	679119	+++++	+++++	+++++	679119	0.000

167674

Report Date : 31-Aug-2006 08:40

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 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	+++++	+++++	185831	+++++	+++++	+++++	185831	0.000
	54 AR 1248-PEAK2	+++++	+++++	153466	+++++	+++++	+++++	153466	0.000
	55 AR 1248-PEAK3	+++++	+++++	197089	+++++	+++++	+++++	197089	0.000
	56 AR 1248-PEAK4	+++++	+++++	142733	+++++	+++++	+++++	142733	0.000
M	57 AR 1254-AVG	+++++	+++++	548173	+++++	+++++	+++++	548173	0.000
	58 AR 1254-PEAK1	+++++	+++++	71243	+++++	+++++	+++++	71243	0.000
	59 AR 1254-PEAK2	+++++	+++++	63098	+++++	+++++	+++++	63098	0.000
	60 AR 1254-PEAK3	+++++	+++++	132737	+++++	+++++	+++++	132737	0.000
	61 AR 1254-PEAK4	+++++	+++++	281095	+++++	+++++	+++++	281095	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	565282	+++++	565282	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	144257	+++++	144257	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	170928	+++++	170928	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	124000	+++++	124000	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	126096	+++++	126096	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1339440	+++++	1339440	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	186593	+++++	186593	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	240676	+++++	240676	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	482879	+++++	482879	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	429292	+++++	429292	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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

167675

Report Date : 31-Aug-2006 08:40

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	4957748	4533954	4460238	4538520	4373897	+++++	4572872	4.928
$ 22 Decachlorobiphenyl	3952334	3460390	3371087	3342110	3314844	+++++	3488153	7.603

001215

167676

Report Date : 31-Aug-2006 08:40

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 31-JUL-2006 16:28
End Cal Date : 31-JUL-2006 22:41
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Cal Date : 09-Aug-2006 11:52 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 3.97996
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

001216

167677

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a012.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a012.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 19:35
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 65-16-9
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.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

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	37 AR 1221-AVG				39965203	400.000	400
	38 AR 1221-PEAK1	6.160	6.160	0.000	13384150	400.000	400
	39 AR 1221-PEAK2	6.796	6.796	0.000	4629893	400.000	400
	40 AR 1221-PEAK3	6.903	6.903	0.000	12327843	400.000	400
	41 AR 1221-PEAK4	7.468	7.468	0.000	9623317	400.000	400

001217

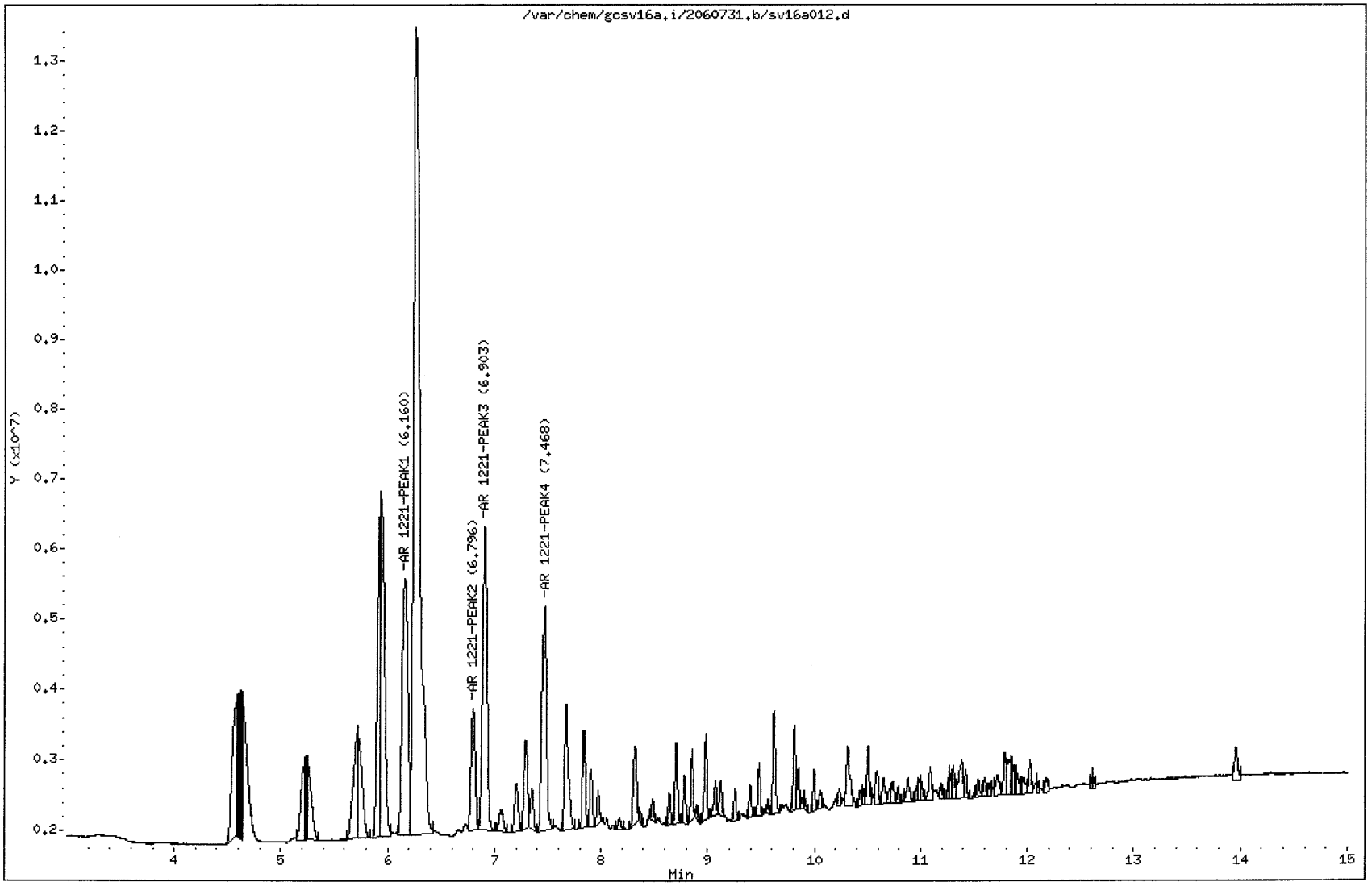
167678

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a012.d
Date : 31-JUL-2006 19:35
Client ID:
Sample Info: 1203x1 65-16-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001218



167679

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a013.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a013.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 19:54
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 65-16-10
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.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

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	42 AR 1232-AVG				161987221	400.000	400
	43 AR 1232-PEAK1	6.264	6.264	0.000	43396601	400.000	400
	44 AR 1232-PEAK2	6.896	6.896	0.000	35230087	400.000	400
	45 AR 1232-PEAK3	7.463	7.463	0.000	59499093	400.000	400
	46 AR 1232-PEAK4	7.670	7.670	0.000	23861440	400.000	400

001219

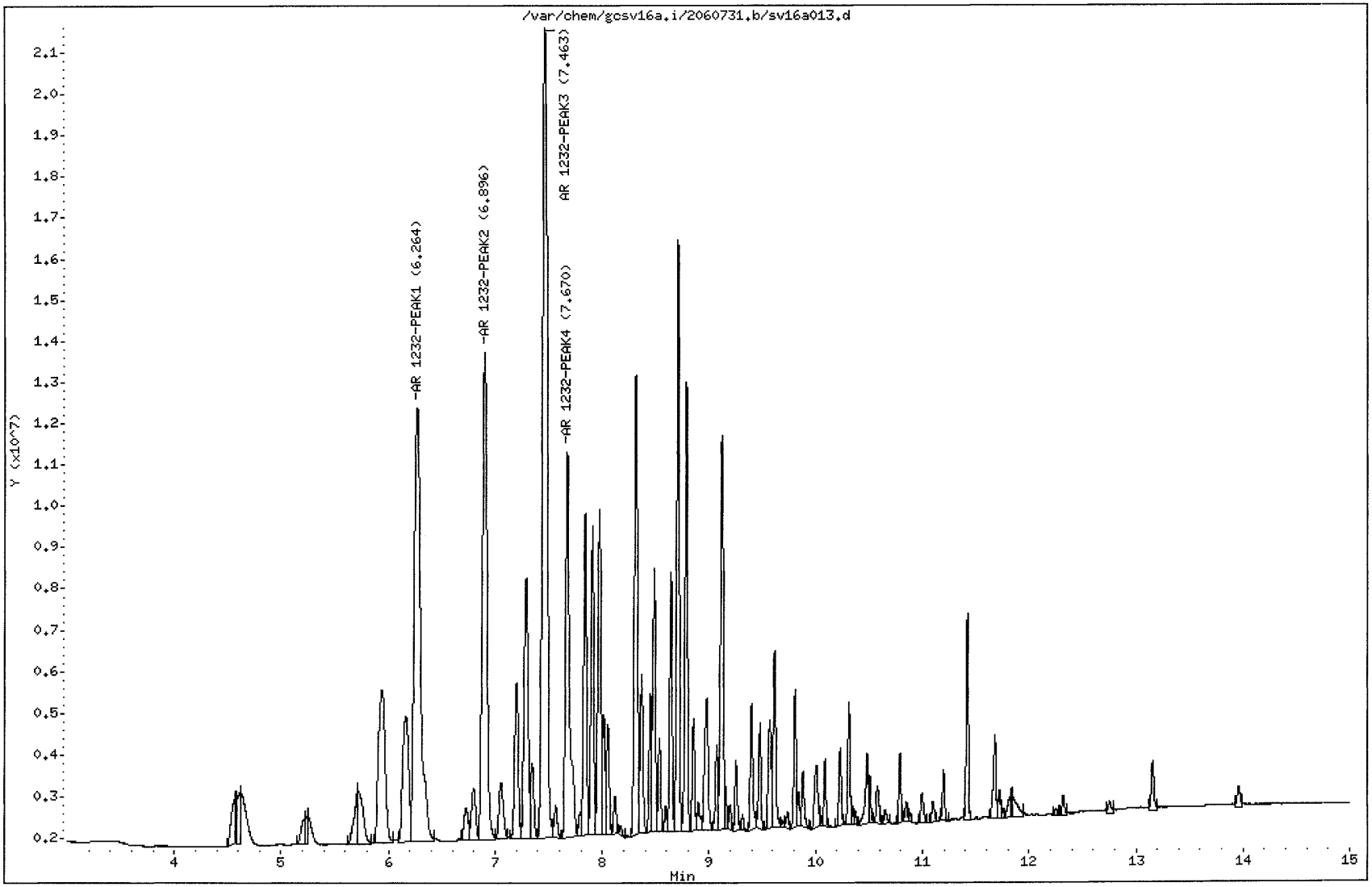
167680

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a013.d
Date : 31-JUL-2006 19:54
Client ID:
Sample Info: 1203x1 65-16-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001220



167681

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a014.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a014.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 20:12
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 65-17-1
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.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				252021876	400.000	400
48 AR 1242-PEAK1	6.897	6.897	0.000	57663759	400.000	400
49 AR 1242-PEAK2	7.465	7.465	0.000	113626888	400.000	400
50 AR 1242-PEAK3	7.669	7.669	0.000	38540349	400.000	400
51 AR 1242-PEAK4	8.705	8.705	0.000	42190880	400.000	400

001221

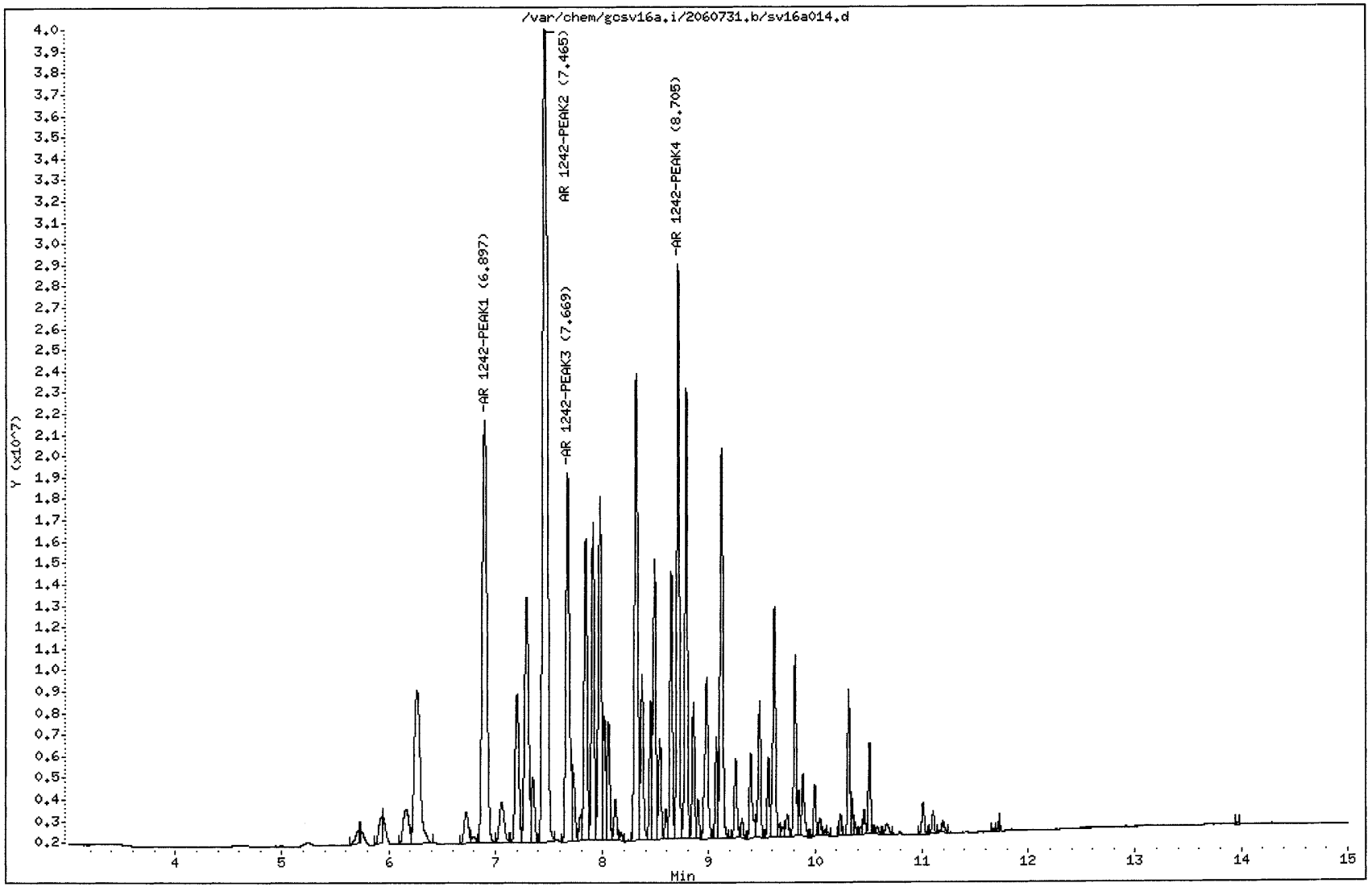
167682

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a014.d
Date : 31-JUL-2006 20:12
Client ID:
Sample Info: 1203*1 65-17-1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001222



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a015.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a015.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 20:31
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 65-17-2
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.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				271647758	400.000	400
53 AR 1248-PEAK1	7.460	7.460	0.000	74332359	400.000	400
54 AR 1248-PEAK2	8.311	8.311	0.000	61386458	400.000	400
55 AR 1248-PEAK3	8.706	8.706	0.000	78835615	400.000	400
56 AR 1248-PEAK4	9.119	9.119	0.000	57093326	400.000	400

001223

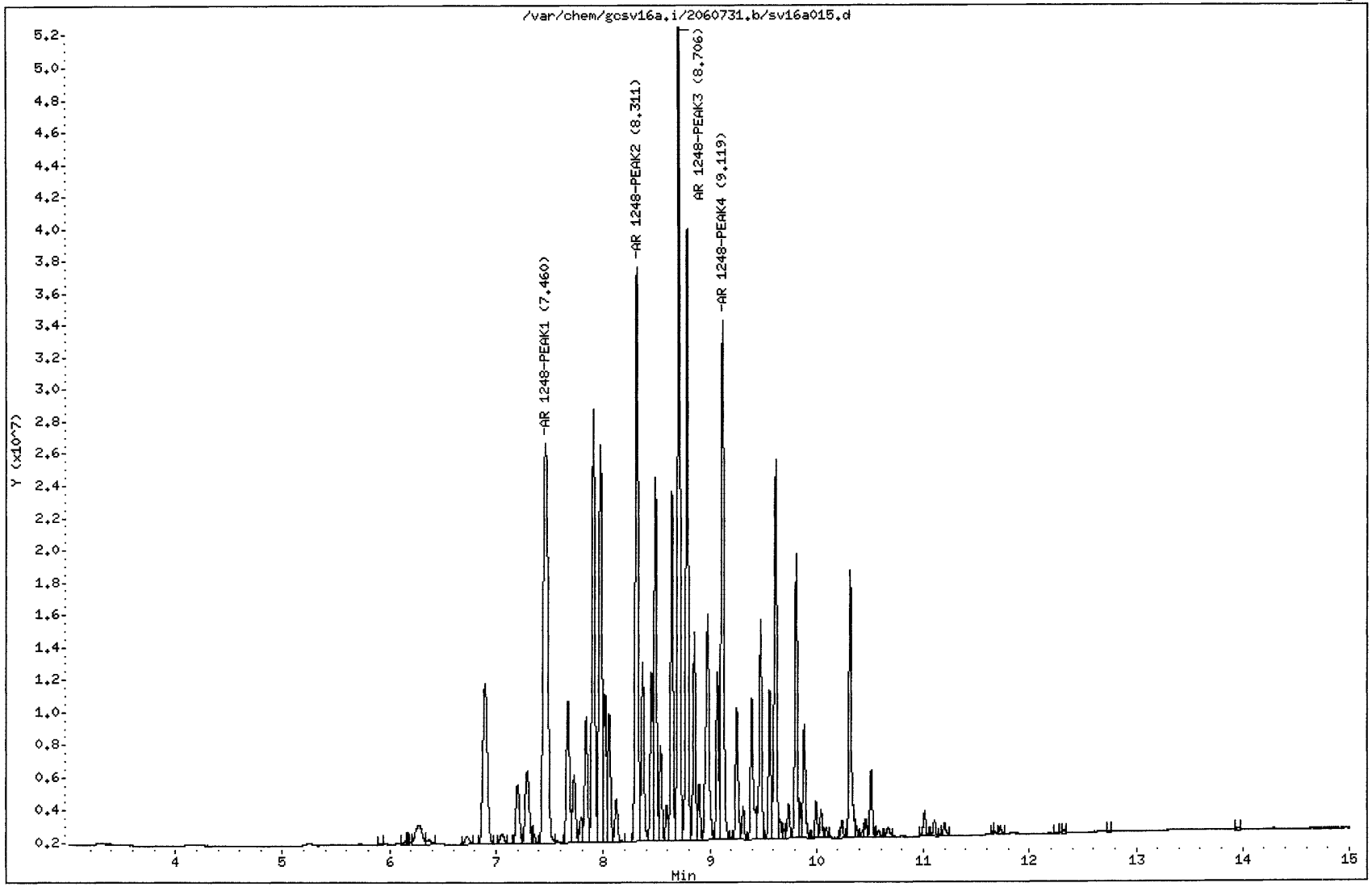
167684

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a015.d
Date : 31-JUL-2006 20:31
Client ID:
Sample Info: 1203*1 65-17-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001221



167685

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a016.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a016.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 20:49
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 65-17-3
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.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				219269233	400.000	400
58 AR 1254-PEAK1	9.073	9.073	0.000	28497249	400.000	400
59 AR 1254-PEAK2	9.396	9.396	0.000	25239115	400.000	400
60 AR 1254-PEAK3	9.479	9.479	0.000	53094866	400.000	400
61 AR 1254-PEAK4	9.617	9.617	0.000	112438003	400.000	400

001225

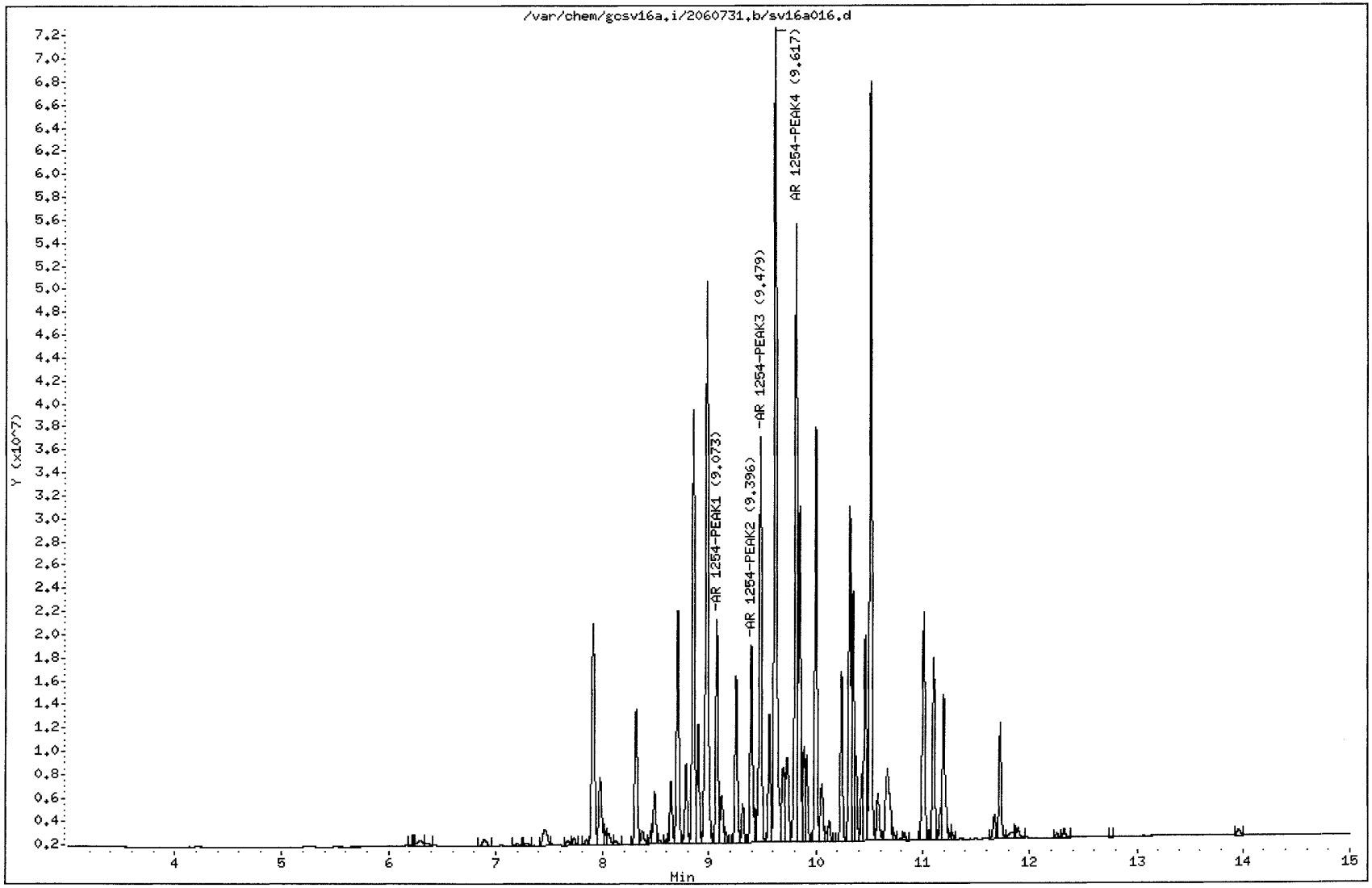
167686

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a016.d
Date : 31-JUL-2006 20:49
Client ID:
Sample Info: 1203*1 65-17-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001226



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a017.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a017.d
Lab Smp Id: 1206
Inj Date : 31-JUL-2006 21:08
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1206*1 50
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 21:08 Cal File: sv16a017.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				45524249	50.0000	57
	24 AR 1016-PEAK1	6.261	6.263	-0.002	5209545	50.0000	57 (M)
	25 AR 1016-PEAK2	6.898	6.899	-0.001	11337991	50.0000	58 (M)
	26 AR 1016-PEAK3	7.466	7.468	-0.002	21365292	50.0000	55 (M)
	27 AR 1016-PEAK4	7.671	7.671	0.000	7611421	50.0000	58 (M)
M	28 AR 1260-AVG				59460209	50.0000	53
	29 AR 1260-PEAK1	9.635	9.637	-0.002	8120664	50.0000	58
	30 AR 1260-PEAK2	9.845	9.847	-0.002	11937088	50.0000	56
	31 AR 1260-PEAK3	9.996	9.998	-0.002	14405933	50.0000	55
	32 AR 1260-PEAK4	11.196	11.198	-0.002	24996524	50.0000	50

001227

167688

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a017.d
Report Date: 02-Aug-2006 12:51

QC Flag Legend

M - Compound response manually integrated.

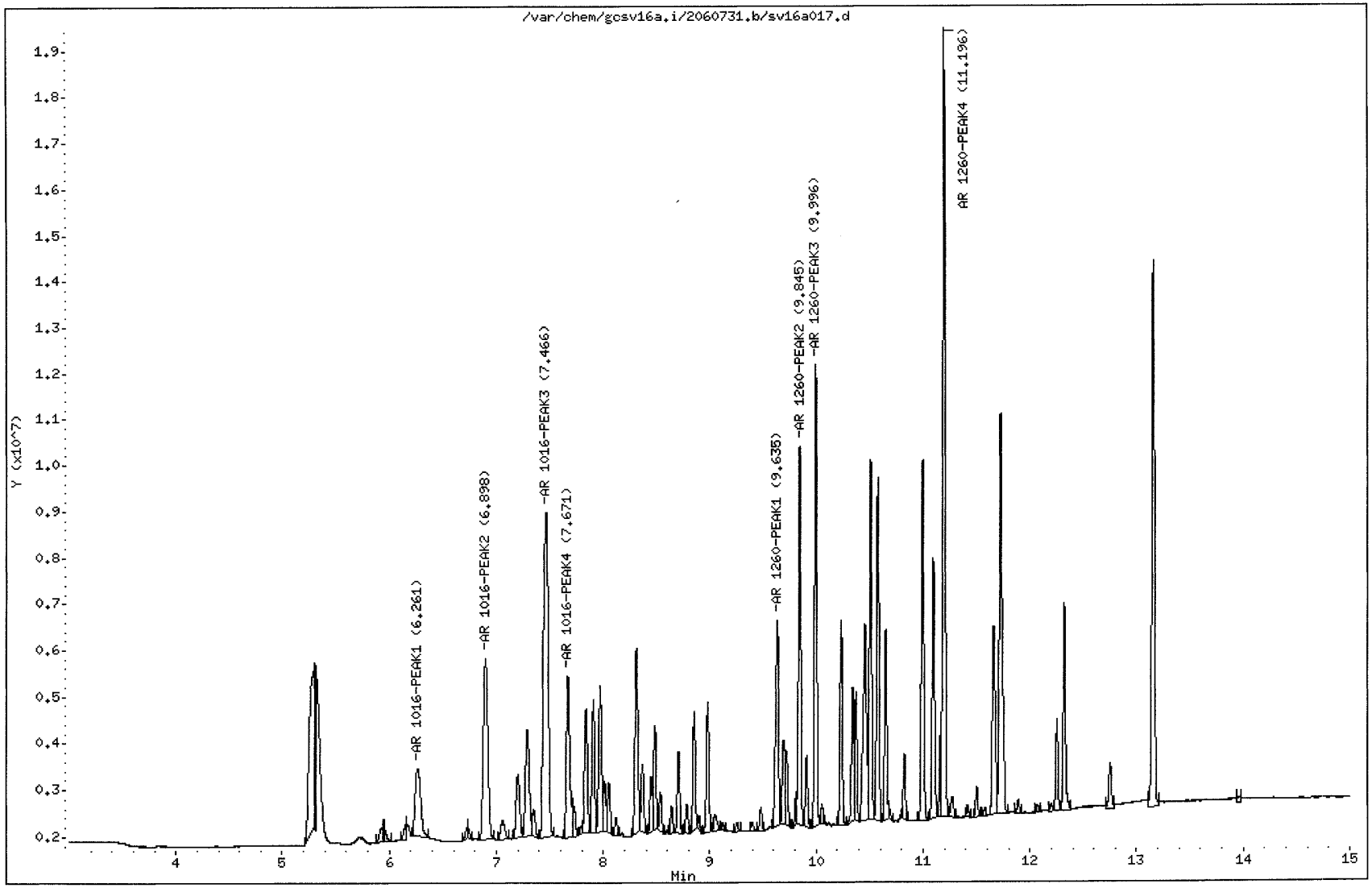
167689

001229

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a017.d
Date : 31-JUL-2006 21:08
Client ID:
Sample Info: 1206x1 50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a018.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a018.d
Lab Smp Id: 1201
Inj Date : 31-JUL-2006 21:27
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1201*1 100
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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				85324211	100.000	110
	24 AR 1016-PEAK1	6.261	6.263	-0.002	9785212	100.000	110 (M)
	25 AR 1016-PEAK2	6.895	6.899	-0.004	21106946	100.000	110 (M)
	26 AR 1016-PEAK3	7.465	7.468	-0.003	40258966	100.000	100
	27 AR 1016-PEAK4	7.670	7.671	-0.001	14173087	100.000	110
M	28 AR 1260-AVG				113628379	100.000	100
	29 AR 1260-PEAK1	9.636	9.637	-0.001	14857655	100.000	110
	30 AR 1260-PEAK2	9.845	9.847	-0.002	22458573	100.000	100
	31 AR 1260-PEAK3	9.995	9.998	-0.003	27084281	100.000	100
	32 AR 1260-PEAK4	11.196	11.198	-0.002	49227870	100.000	98

001230

167691

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a018.d
Report Date: 02-Aug-2006 12:51

QC Flag Legend

M - Compound response manually integrated.

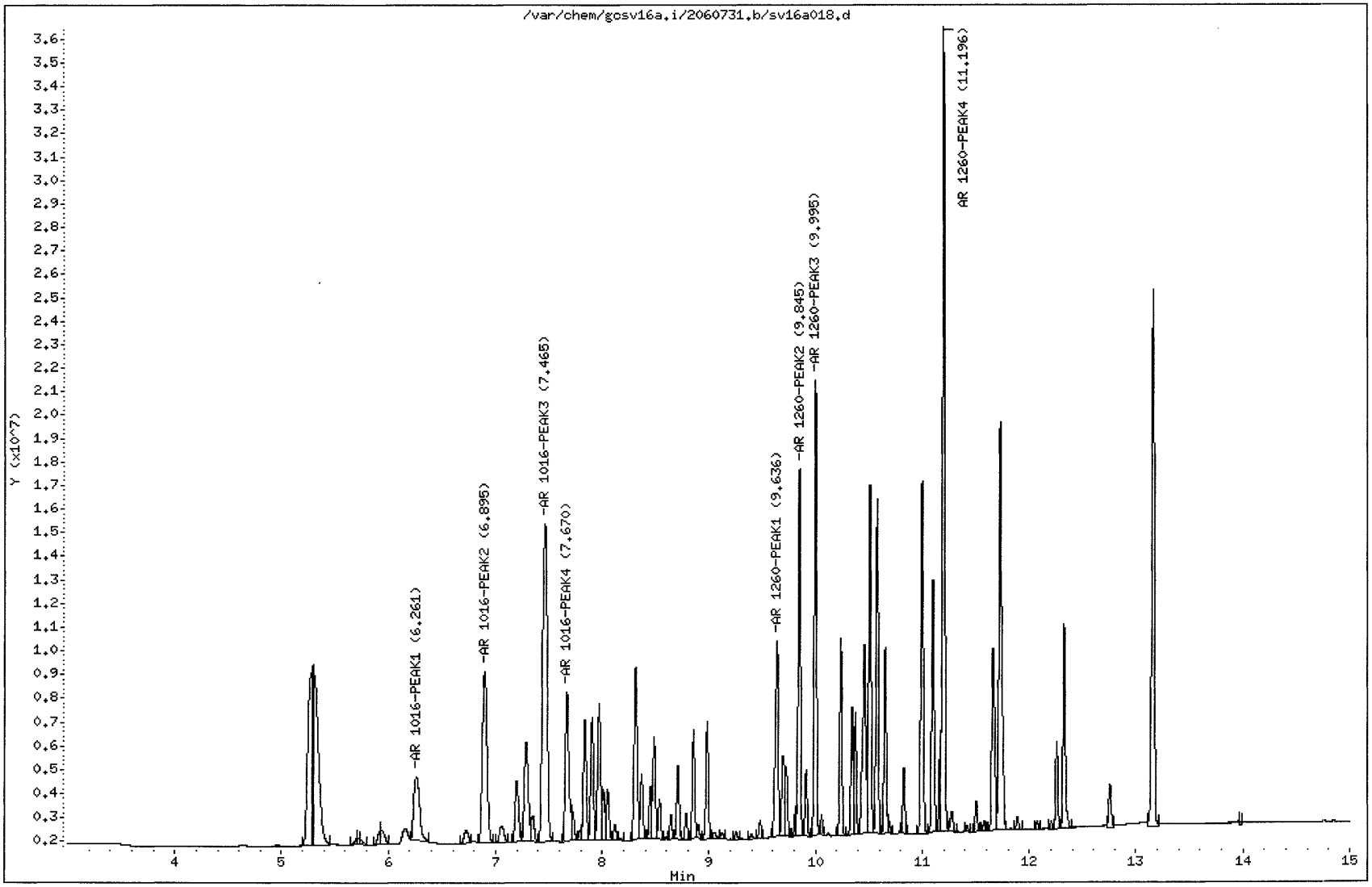
167692

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a018.d
Date : 31-JUL-2006 21:27
Client ID:
Sample Info: 1201*1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001232



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a019.d
Report Date: 02-Aug-2006 12:51

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a019.d
Lab Smp Id: 1202
Inj Date : 31-JUL-2006 21:45
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1202*1 200
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 21:45 Cal File: sv16a019.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

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	23 AR 1016-AVG				162215449	200.000	200
	24 AR 1016-PEAK1	6.262	6.263	-0.001	19259963	200.000	210
	25 AR 1016-PEAK2	6.897	6.899	-0.002	39522331	200.000	200
	26 AR 1016-PEAK3	7.466	7.467	-0.001	77002627	200.000	200
	27 AR 1016-PEAK4	7.671	7.671	0.000	26430528	200.000	200
M	28 AR 1260-AVG				219994410	200.000	200
	29 AR 1260-PEAK1	9.636	9.637	-0.001	27740076	200.000	200
	30 AR 1260-PEAK2	9.846	9.847	-0.001	42821838	200.000	200
	31 AR 1260-PEAK3	9.996	9.998	-0.002	52085858	200.000	200
	32 AR 1260-PEAK4	11.196	11.198	-0.002	97346638	200.000	190

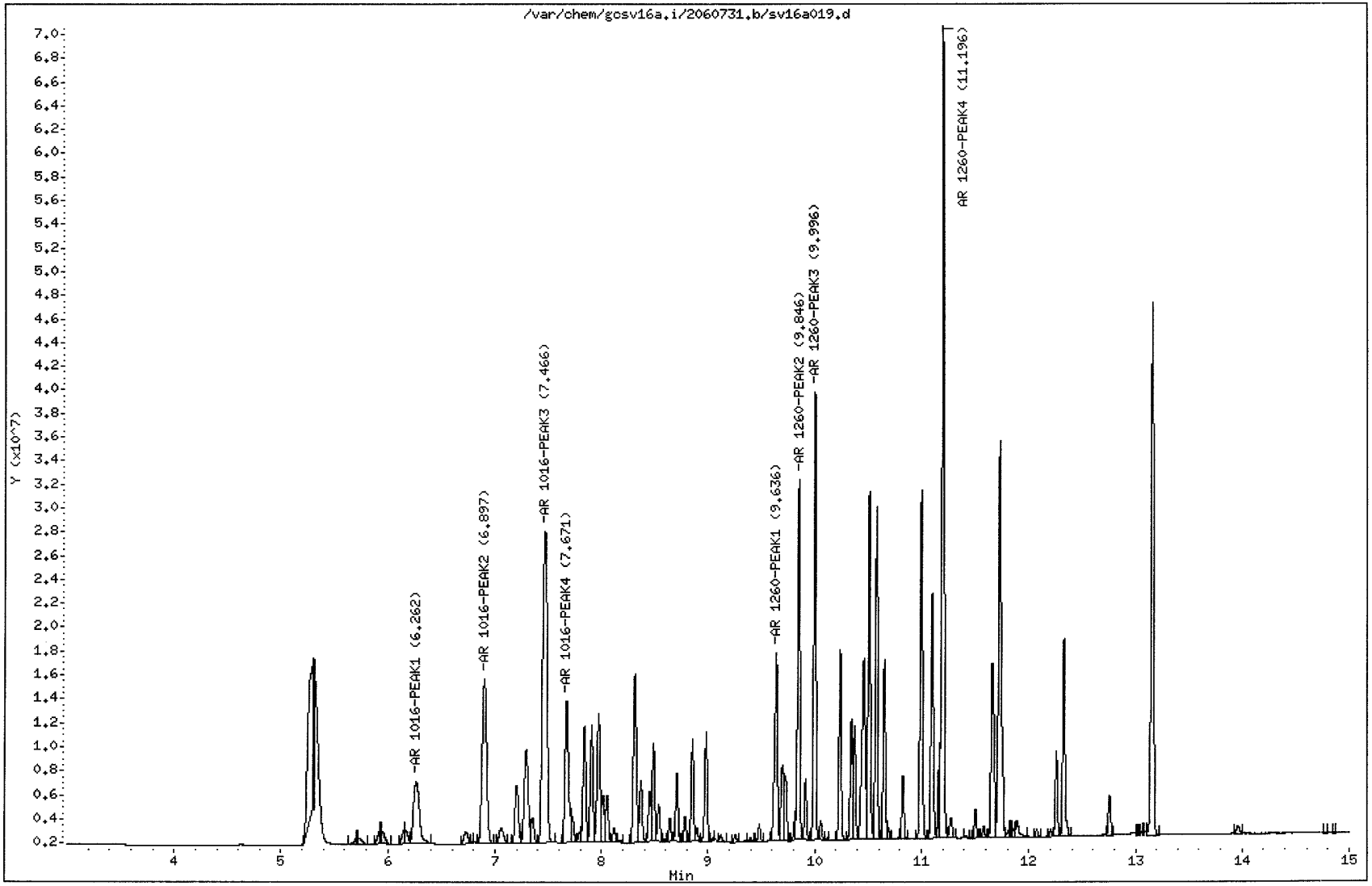
167694

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a019.d
Date : 31-JUL-2006 21:45
Client ID:
Sample Info: 1202*1 200
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001234



167695

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a020.d
Report Date: 02-Aug-2006 12:52

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a020.d
Lab Smp Id: 1203
Inj Date : 31-JUL-2006 22:04
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1203*1 400
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:51 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16a020.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				306111284	400.000	380
	24 AR 1016-PEAK1	6.260	6.261	-0.001	35786950	400.000	390
	25 AR 1016-PEAK2	6.897	6.898	-0.001	73849893	400.000	380
	26 AR 1016-PEAK3	7.465	7.467	-0.002	146720719	400.000	380
	27 AR 1016-PEAK4	7.671	7.671	0.000	49753722	400.000	380
M	28 AR 1260-AVG				436504165	400.000	390
	29 AR 1260-PEAK1	9.636	9.637	-0.001	51972506	400.000	370
	30 AR 1260-PEAK2	9.846	9.846	0.000	81709256	400.000	380
	31 AR 1260-PEAK3	9.996	9.997	-0.001	99711928	400.000	380
	32 AR 1260-PEAK4	11.197	11.198	-0.001	203110475	400.000	410

001235

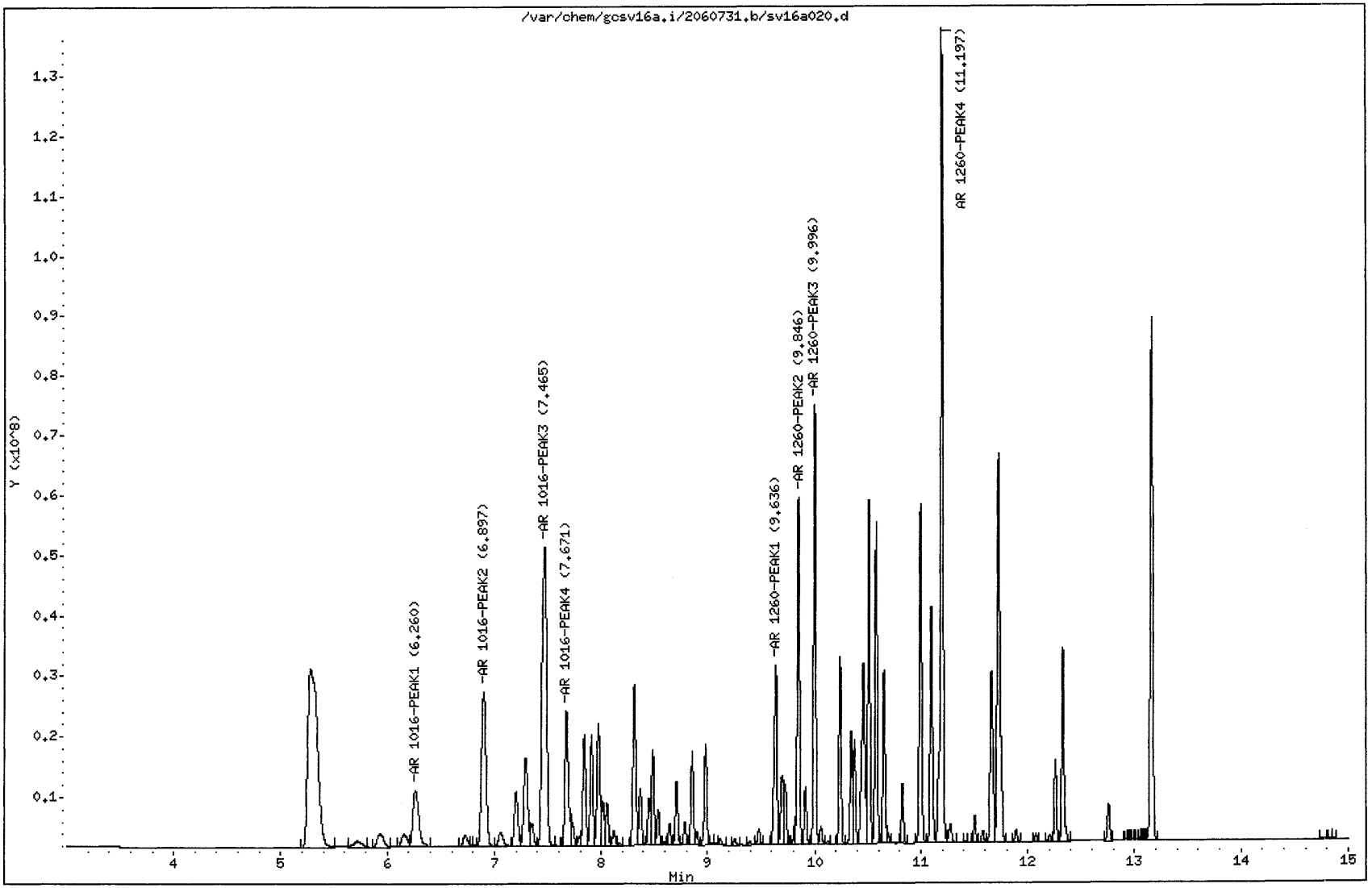
167696

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a020.d
Date : 31-JUL-2006 22:04
Client ID:
Sample Info: 1203x1 400
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001236



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a021.d
Report Date: 02-Aug-2006 12:52

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a021.d
Lab Smp Id: 1204
Inj Date : 31-JUL-2006 22:23
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1204*1 800
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:52 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:23 Cal File: sv16a021.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				602914986	800.000	750
	24 AR 1016-PEAK1	6.262	6.261	0.001	66442776	800.000	730
	25 AR 1016-PEAK2	6.899	6.898	0.001	143868489	800.000	740
	26 AR 1016-PEAK3	7.469	7.467	0.002	294962991	800.000	770
	27 AR 1016-PEAK4	7.672	7.671	0.001	97640730	800.000	740
M	28 AR 1260-AVG				887721299	800.000	790
	29 AR 1260-PEAK1	9.637	9.637	0.000	103202691	800.000	740
	30 AR 1260-PEAK2	9.847	9.846	0.001	164366718	800.000	760
	31 AR 1260-PEAK3	9.997	9.997	0.000	202050999	800.000	770
	32 AR 1260-PEAK4	11.198	11.198	0.000	418100891	800.000	840

001237

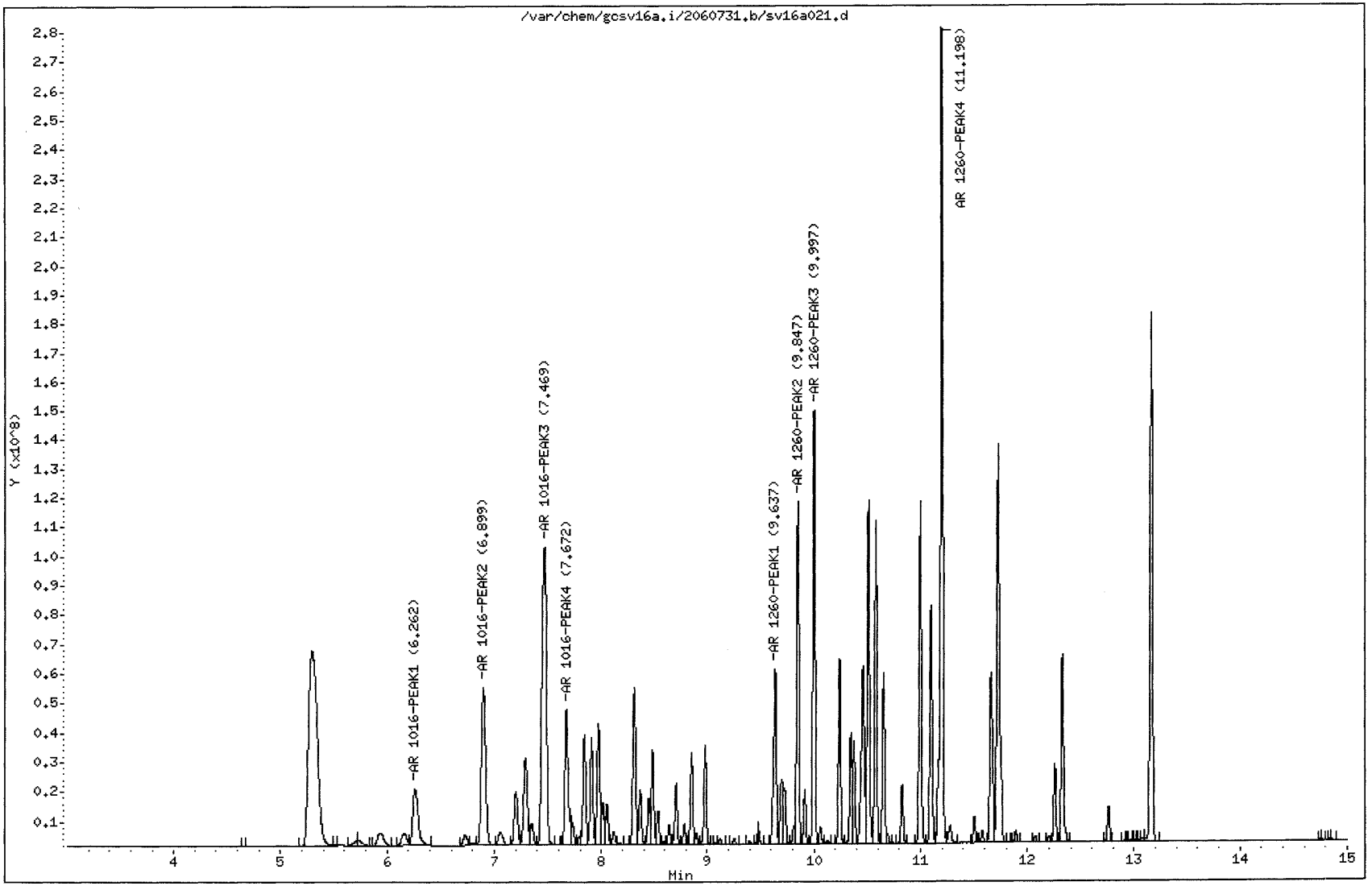
167698

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a021.d
Date : 31-JUL-2006 22:23
Client ID:
Sample Info: 1204x1 800
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001238



Data File: /var/chem/gcsv16a.i/2060731.b/sv16a022.d
Report Date: 02-Aug-2006 12:52

Gulf Coast Analytical Services

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a022.d
Lab Smp Id: 1205
Inj Date : 31-JUL-2006 22:41
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1205*1 65-30-10
Misc Info : GCSV~9749~*
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 02-Aug-2006 12:52 hjl Quant Type: ESTD
Cal Date : 31-JUL-2006 22:41 Cal File: sv16a022.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				1168181496	1600.00	1500
	24 AR 1016-PEAK1	6.264	6.261	0.003	125486361	1600.00	1400
	25 AR 1016-PEAK2	6.901	6.898	0.003	277296304	1600.00	1400
	26 AR 1016-PEAK3	7.468	7.467	0.001	576532245	1600.00	1500
	27 AR 1016-PEAK4	7.673	7.671	0.002	188866586	1600.00	1400
M	28 AR 1260-AVG				1718712888	1600.00	1500
	29 AR 1260-PEAK1	9.638	9.637	0.001	202457977	1600.00	1500
	30 AR 1260-PEAK2	9.848	9.846	0.002	325158326	1600.00	1500
	31 AR 1260-PEAK3	9.998	9.997	0.001	400337149	1600.00	1500
	32 AR 1260-PEAK4	11.199	11.198	0.001	790759436	1600.00	1600

001239

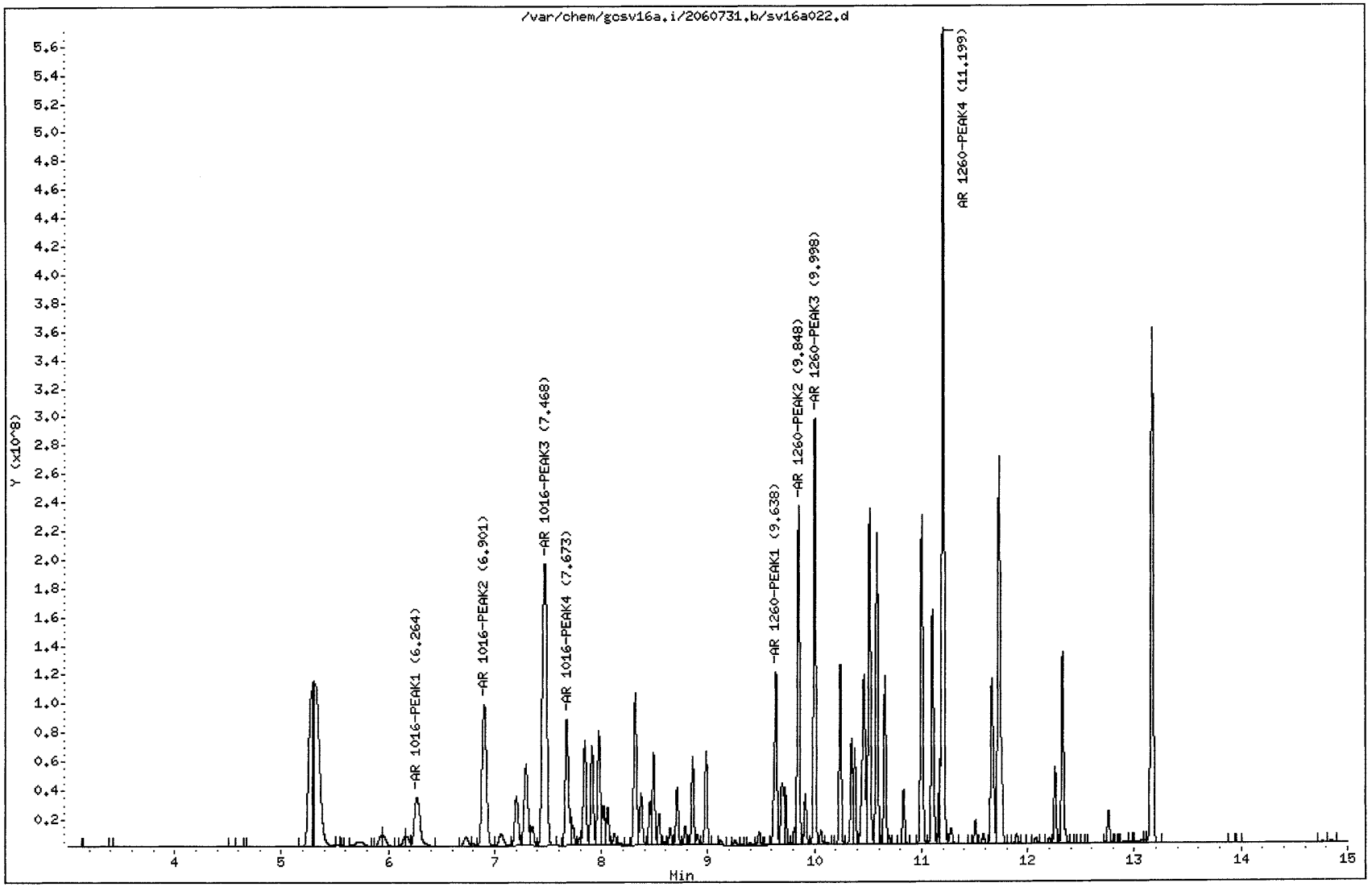
167700

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a022.d
Date : 31-JUL-2006 22:41
Client ID:
Sample Info: 1205x1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001240



167701

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a023.d
Report Date: 01-Aug-2006 08:12

GCAL, Inc.

RECOVERY REPORT

Client Name: Client SDG: 2060731
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: pcbicv.spk Quant Type: ESTD
Sublist File: aro1260.sub
Method File: /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	380	95.90	85-115
M 28 AR 1260-AVG	400	420	104.08	85-115

001241

167702

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a023.d
Report Date: 01-Aug-2006 08:12

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060731.b/sv16a023.d
Lab Smp Id: 1600
Inj Date : 31-JUL-2006 23:00
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1600*1 65-24-10
Misc Info :
Comment :
Method : /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Meth Date : 01-Aug-2006 08:12 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:41 Cal File: sv16a022.d
Als bottle: 23 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				306147753	383.618	380
24 AR 1016-PEAK1	6.266	6.261	0.005	36491354	430.491	430
25 AR 1016-PEAK2	6.900	6.898	0.002	73234305	373.640	370
26 AR 1016-PEAK3	7.469	7.467	0.002	146865909	381.216	380
27 AR 1016-PEAK4	7.674	7.671	0.003	49556185	375.349	380
M 28 AR 1260-AVG				464908794	416.301	420
29 AR 1260-PEAK1	9.636	9.637	-0.001	67034448	481.592	480
30 AR 1260-PEAK2	9.847	9.846	0.001	91780761	426.758	430
31 AR 1260-PEAK3	9.998	9.998	0.000	113727983	434.230	430
32 AR 1260-PEAK4	11.198	11.198	0.000	192365602	384.274	380

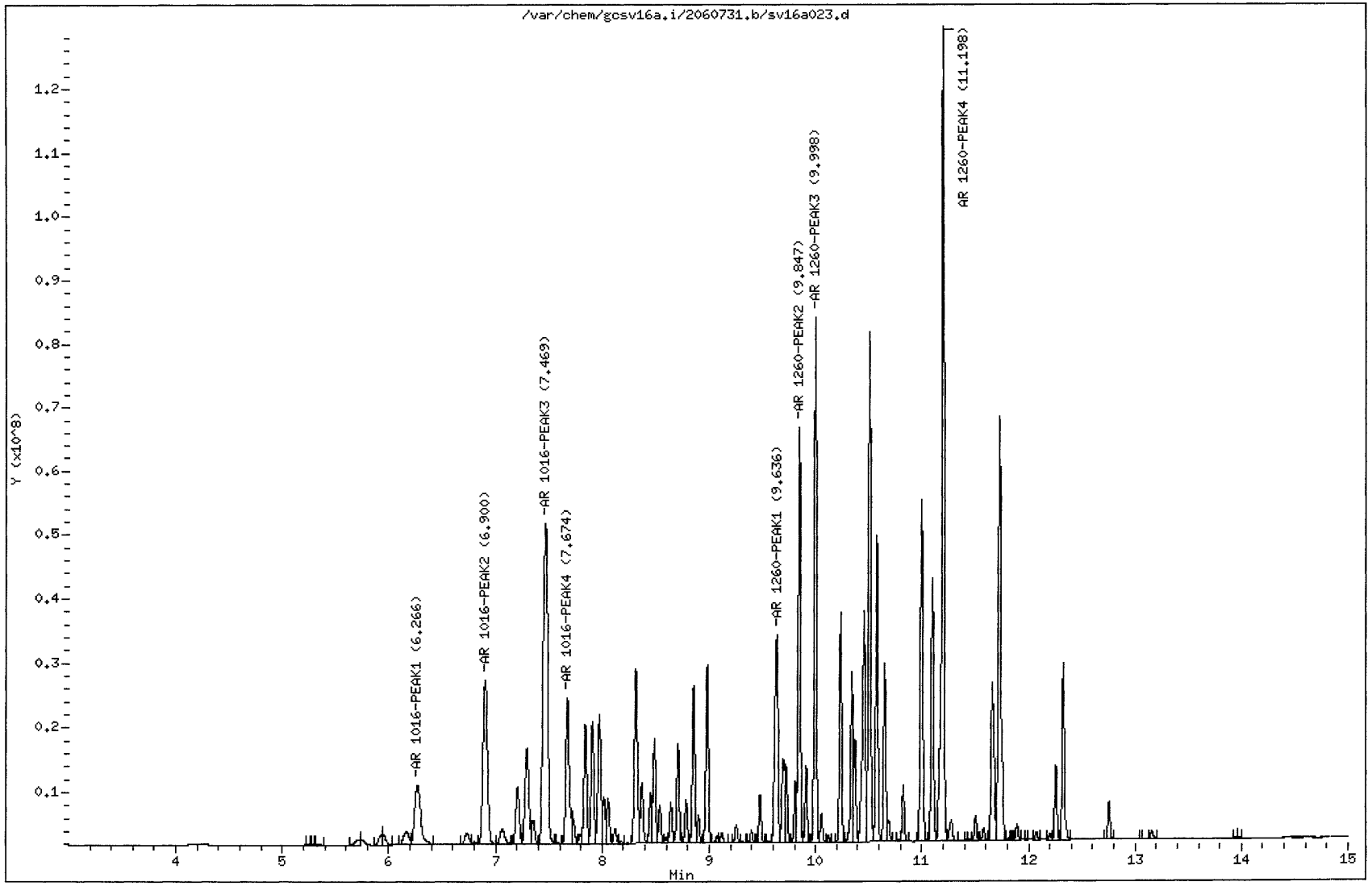
001242

167703

Data File: /var/chem/gcsv16a.i/2060731.b/sv16a023.d
Date : 31-JUL-2006 23:00
Client ID:
Sample Info: 1600x1 65-24-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001243



Data File: /var/chem/gcsv16a.i/2060807.b/sv16a003.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-AUG-2006 10:46
Lab File ID: sv16a003.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060807.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
M 23 AR 1016-AVG	803973	722517	0.010	10.13172	15.00000	Averaged	
24 AR 1016-PEAK1	91549	76295	0.010	16.66179	15.00000	Averaged	<-
25 AR 1016-PEAK2	195535	179433	0.010	8.23504	15.00000	Averaged	
26 AR 1016-PEAK3	385124	350943	0.010	8.87552	15.00000	Averaged	
27 AR 1016-PEAK4	131765	115846	0.010	12.08098	15.00000	Averaged	
M 28 AR 1260-AVG	1116761	1019575	0.010	8.70250	15.00000	Averaged	
29 AR 1260-PEAK1	139194	123531	0.010	11.25210	15.00000	Averaged	
30 AR 1260-PEAK2	215065	196614	0.010	8.57935	15.00000	Averaged	
31 AR 1260-PEAK3	261908	239915	0.010	8.39694	15.00000	Averaged	
32 AR 1260-PEAK4	500595	459514	0.010	8.20634	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 10.11223
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001244

167705

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a003.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a003.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 10:46
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-30-10
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				289006780	400.000	360
	24 AR 1016-PEAK1	6.237	6.232	0.005	30518043	400.000	330
	25 AR 1016-PEAK2	6.874	6.894	-0.020	71773136	400.000	370
	26 AR 1016-PEAK3	7.452	7.456	-0.004	140377074	400.000	360 (M)
	27 AR 1016-PEAK4	7.653	7.673	-0.020	46338527	400.000	350
M	28 AR 1260-AVG				407830057	400.000	370
	29 AR 1260-PEAK1	9.623	9.627	-0.004	49412526	400.000	350
	30 AR 1260-PEAK2	9.833	9.837	-0.004	78645665	400.000	370
	31 AR 1260-PEAK3	9.983	9.988	-0.005	95966113	400.000	370
	32 AR 1260-PEAK4	11.184	11.189	-0.005	183805753	400.000	370

167706

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a003.d
Report Date: 09-Aug-2006 11:52

QC Flag Legend

M - Compound response manually integrated.

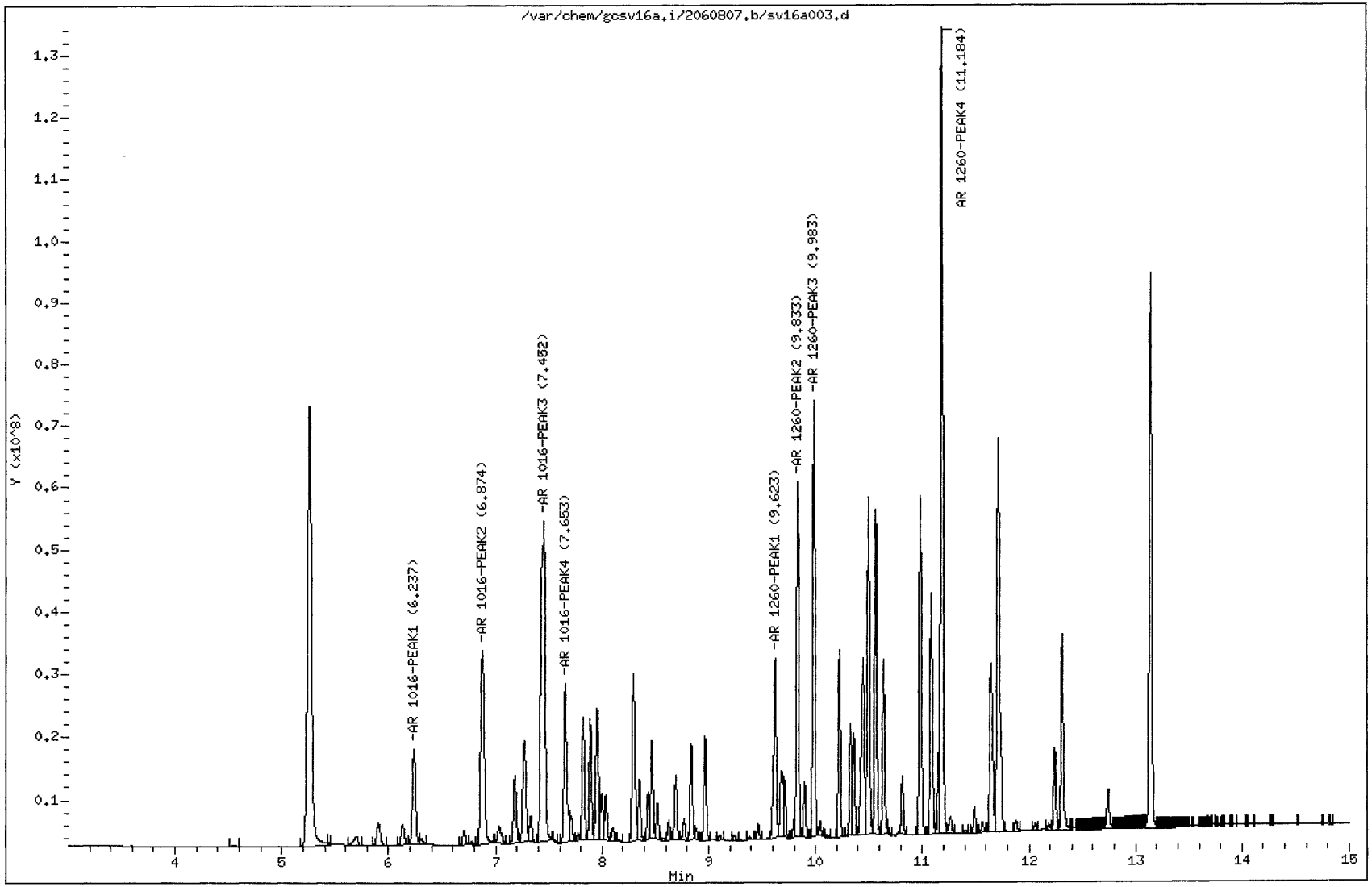
167707

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a003.d
Date : 07-AUG-2006 10:46
Client ID:
Sample Info: 1400x1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001247



167708

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a016.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-AUG-2006 16:19
Lab File ID: sv16a016.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060807.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	803973	747158	0.010	7.06683	15.00000	Averaged
24 AR 1016-PEAK1	91549	78711	0.010	14.02245	15.00000	Averaged
25 AR 1016-PEAK2	195535	185765	0.010	4.99679	15.00000	Averaged
26 AR 1016-PEAK3	385124	364170	0.010	5.44100	15.00000	Averaged
27 AR 1016-PEAK4	131765	118512	0.010	10.05806	15.00000	Averaged
M 28 AR 1260-AVG	1116761	1036335	0.010	7.20178	15.00000	Averaged
29 AR 1260-PEAK1	139194	125529	0.010	9.81699	15.00000	Averaged
30 AR 1260-PEAK2	215065	200454	0.010	6.79396	15.00000	Averaged
31 AR 1260-PEAK3	261908	245484	0.010	6.27064	15.00000	Averaged
32 AR 1260-PEAK4	500595	464868	0.010	7.13698	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 7.88055
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001248

167709

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a016.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a016.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 16:19
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-30-10
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				298863129	400.000	370
	24 AR 1016-PEAK1	6.233	6.231	0.002	31484558	400.000	340
	25 AR 1016-PEAK2	6.872	6.893	-0.021	74305902	400.000	380
	26 AR 1016-PEAK3	7.450	7.456	-0.006	145667946	400.000	380
	27 AR 1016-PEAK4	7.650	7.672	-0.022	47404723	400.000	360
M	28 AR 1260-AVG				414533822	400.000	370
	29 AR 1260-PEAK1	9.621	9.627	-0.006	50211558	400.000	360
	30 AR 1260-PEAK2	9.831	9.837	-0.006	80181566	400.000	370
	31 AR 1260-PEAK3	9.981	9.988	-0.007	98193693	400.000	370
	32 AR 1260-PEAK4	11.183	11.188	-0.005	185947005	400.000	370

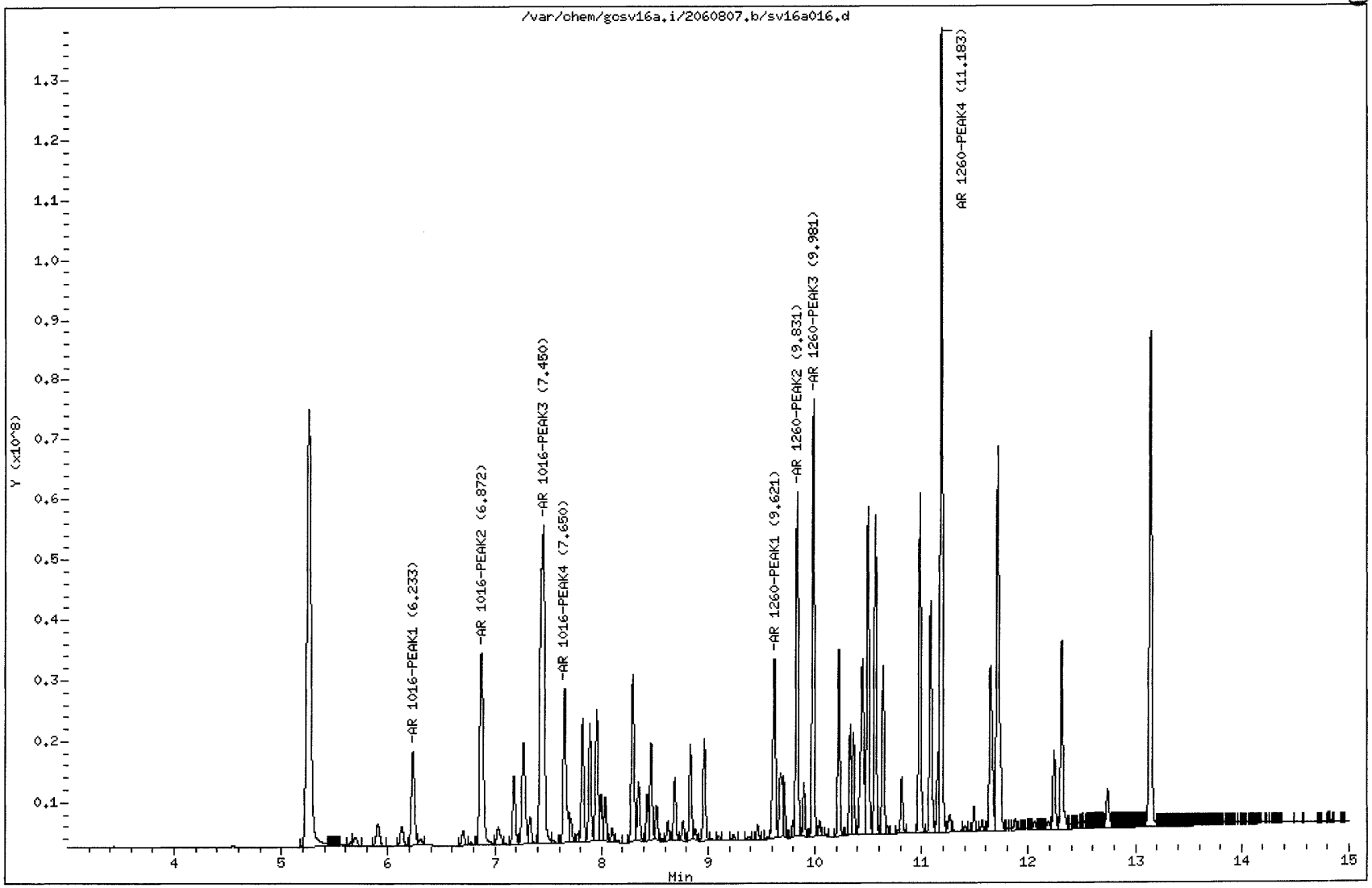
001249

167710

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a016.d
Date : 07-AUG-2006 16:19
Client ID:
Sample Info: 1400*1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001250



Data File: /var/chem/gcsv16a.i/2060807.b/sv16a027.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv16a.i Injection Date: 07-AUG-2006 19:44
Lab File ID: sv16a027.d Init. Cal. Date(s): 31-JUL-2006 31-JUL-2006
Analysis Type: WATER Init. Cal. Times: 16:28 22:41
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv16a.i/2060807.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
M 23 AR 1016-AVG	803973	706436	0.010	12.13190	15.00000	Averaged	
24 AR 1016-PEAK1	91549	73693	0.010	19.50425	15.00000	Averaged	<-
25 AR 1016-PEAK2	195535	175204	0.010	10.39755	15.00000	Averaged	
26 AR 1016-PEAK3	385124	344974	0.010	10.42526	15.00000	Averaged	
27 AR 1016-PEAK4	131765	112565	0.010	14.57157	15.00000	Averaged	
M 28 AR 1260-AVG	1116761	979033	0.010	12.33279	15.00000	Averaged	
29 AR 1260-PEAK1	139194	118971	0.010	14.52828	15.00000	Averaged	
30 AR 1260-PEAK2	215065	191059	0.010	11.16235	15.00000	Averaged	
31 AR 1260-PEAK3	261908	234316	0.010	10.53482	15.00000	Averaged	
32 AR 1260-PEAK4	500595	434687	0.010	13.16586	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 12.87546
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001251

167712

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a027.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a027.d
Lab Smp Id: 1400
Inj Date : 07-AUG-2006 19:44
Operator : tls Inst ID: gcsv16a.i
Smp Info : 1400*1 65-30-10
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				282574423	400.000	350
	24 AR 1016-PEAK1	6.232	6.231	0.001	29477151	400.000	320
	25 AR 1016-PEAK2	6.871	6.893	-0.022	70081745	400.000	360
	26 AR 1016-PEAK3	7.448	7.456	-0.008	137989691	400.000	360
	27 AR 1016-PEAK4	7.649	7.672	-0.023	45025836	400.000	340
M	28 AR 1260-AVG				391613361	400.000	350
	29 AR 1260-PEAK1	9.620	9.627	-0.007	47588435	400.000	340
	30 AR 1260-PEAK2	9.829	9.836	-0.007	76423608	400.000	360
	31 AR 1260-PEAK3	9.980	9.987	-0.007	93726414	400.000	360
	32 AR 1260-PEAK4	11.181	11.188	-0.007	173874904	400.000	350

001252

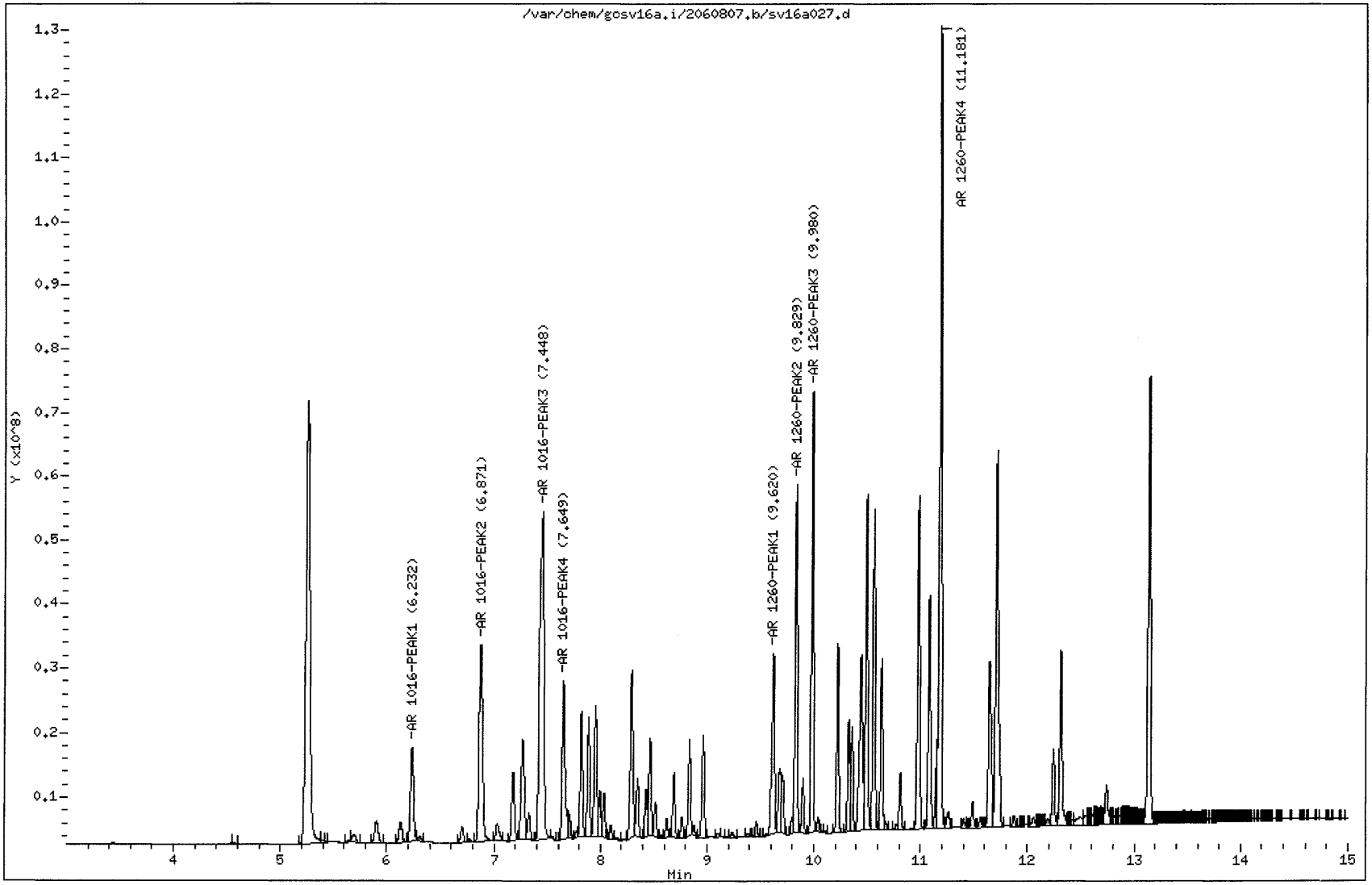
167713

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a027.d
Date : 07-AUG-2006 19:44
Client ID:
Sample Info: 1400x1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i

Operator: tls
Column diameter: 0.32

001253



Report Date : 31-Aug-2006 08:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18a.i/2060802b.b/sv18a026.d
Level 2: /var/chem/gcsv18a.i/2060802b.b/sv18a027.d
Level 3: /var/chem/gcsv18a.i/2060802b.b/sv18a028.d
Level 4: /var/chem/gcsv18a.i/2060802b.b/sv18a029.d
Level 5: /var/chem/gcsv18a.i/2060802b.b/sv18a030.d
Level 6: /var/chem/gcsv18a.i/2060802b.b/sv18a025.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	5107373	5244114	5132586	5122160	5061924	6009810	5279661	6.871
	3 gamma-BHC (Lindane)	4564594	4593494	4462157	4474890	4417134	+++++	4502454	1.640
	4 Heptachlor	3690596	4112226	4128955	4163188	4089557	+++++	4036904	4.841
	5 Aldrin	4075170	4151834	4080548	4088800	4037421	+++++	4086755	1.012
	6 beta-BHC	2302642	2104214	1962320	1950865	1913712	+++++	2046751	7.833
	7 delta-BHC	3684730	4250094	4302503	4326486	4291901	+++++	4171143	6.552
	8 Heptachlor epoxide	3767067	3774913	3706458	3711829	3673324	+++++	3726718	1.157
	9 Endosulfan I	3494355	3243064	3361882	3362940	3343974	+++++	3361243	2.660
	10 gamma-Chlordane	3688506	3720759	3658926	3664446	3626775	+++++	3671882	0.955
	11 alpha-Chlordane	3548565	3276381	3371206	3436729	3391316	+++++	3404839	2.918
	12 4,4'-DDE	3708470	3824864	3798348	3821600	3790279	+++++	3788712	1.247
	13 Dieldrin	3808124	3938054	3916721	3942070	3909180	+++++	3902830	1.402
	14 Endrin	3156017	3230013	3205370	3231324	3255561	+++++	3215657	1.175
	15 4,4'-DDD	3111682	3210192	3197123	3225537	3204488	+++++	3189805	1.408
	16 Endosulfan II	3198533	3307105	3281826	3310151	3285906	+++++	3276704	1.387
	17 4,4'-DDT	2786770	2887129	2841069	2887901	2860163	+++++	2852606	1.463
	18 Endrin aldehyde	2679346	2701246	2661625	2681712	2630001	+++++	2670786	1.003
	19 Methoxychlor	1523494	1553888	1564189	1597182	1588942	+++++	1565539	1.877
	20 Endosulfan sulfate	2768558	2830990	2813841	2842631	2818050	+++++	2814814	1.003
	21 Endrin ketone	3229762	3296600	3248389	3277192	3240031	+++++	3258395	0.850
M	23 AR 1016-AVG	687938	666498	651804	619659	617961	732707	662761	6.586

001254

167715

Report Date : 31-Aug-2006 08:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
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	84646	79414	72928	67429	63894	84257	75428	11.589
	25 AR 1016-PEAK2	175886	166416	160283	151278	150152	190234	165708	9.291
	26 AR 1016-PEAK3	328822	319704	316438	303221	306360	351003	320925	5.423
	27 AR 1016-PEAK4	98584	100963	102155	97732	97554	107212	100700	3.656
M	28 AR 1260-AVG	911286	895350	897133	883901	896519	943060	904541	2.297
	29 AR 1260-PEAK1	112684	108369	105704	100925	100775	121903	108393	7.403
	30 AR 1260-PEAK2	166366	162291	160022	159508	162825	174641	164275	3.429
	31 AR 1260-PEAK3	214728	210207	209170	203836	205600	226381	211654	3.852
	32 AR 1260-PEAK4	417508	414483	422238	419632	427318	420135	420219	1.038
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	116060	+++++	+++++	+++++	116060	0.000
	38 AR 1221-PEAK1	+++++	+++++	43081	+++++	+++++	+++++	43081	0.000
	39 AR 1221-PEAK2	+++++	+++++	28873	+++++	+++++	+++++	28873	0.000
	40 AR 1221-PEAK3	+++++	+++++	25192	+++++	+++++	+++++	25192	0.000
	41 AR 1221-PEAK4	+++++	+++++	18913	+++++	+++++	+++++	18913	0.000
M	42 AR 1232-AVG	+++++	+++++	324699	+++++	+++++	+++++	324699	0.000
	43 AR 1232-PEAK1	+++++	+++++	80290	+++++	+++++	+++++	80290	0.000
	44 AR 1232-PEAK2	+++++	+++++	75118	+++++	+++++	+++++	75118	0.000
	45 AR 1232-PEAK3	+++++	+++++	122834	+++++	+++++	+++++	122834	0.000
	46 AR 1232-PEAK4	+++++	+++++	46457	+++++	+++++	+++++	46457	0.000
M	47 AR 1242-AVG	+++++	+++++	503175	+++++	+++++	+++++	503175	0.000
	48 AR 1242-PEAK1	+++++	+++++	54364	+++++	+++++	+++++	54364	0.000
	49 AR 1242-PEAK2	+++++	+++++	122841	+++++	+++++	+++++	122841	0.000
	50 AR 1242-PEAK3	+++++	+++++	240970	+++++	+++++	+++++	240970	0.000
	51 AR 1242-PEAK4	+++++	+++++	85000	+++++	+++++	+++++	85000	0.000
M	52 AR 1248-AVG	+++++	+++++	405314	+++++	+++++	+++++	405314	0.000

001255

167716

Report Date : 31-Aug-2006 08:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
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	+++++	+++++	59527	+++++	+++++	+++++	59527	0.000
	54 AR 1248-PEAK2	+++++	+++++	121217	+++++	+++++	+++++	121217	0.000
	55 AR 1248-PEAK3	+++++	+++++	118686	+++++	+++++	+++++	118686	0.000
	56 AR 1248-PEAK4	+++++	+++++	105884	+++++	+++++	+++++	105884	0.000
M	57 AR 1254-AVG	+++++	+++++	408223	+++++	+++++	+++++	408223	0.000
	58 AR 1254-PEAK1	+++++	+++++	51962	+++++	+++++	+++++	51962	0.000
	59 AR 1254-PEAK2	+++++	+++++	43641	+++++	+++++	+++++	43641	0.000
	60 AR 1254-PEAK3	+++++	+++++	98560	+++++	+++++	+++++	98560	0.000
	61 AR 1254-PEAK4	+++++	+++++	214060	+++++	+++++	+++++	214060	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	413009	+++++	413009	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	78968	+++++	78968	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	114158	+++++	114158	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	136151	+++++	136151	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	83733	+++++	83733	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1092018	+++++	1092018	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	157790	+++++	157790	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	194767	+++++	194767	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	395783	+++++	395783	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	343678	+++++	343678	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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

167717

Report Date : 31-Aug-2006 08:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
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	4155321	4067994	3853034	3818529	3684832	+++++	3915942	4.900
$ 22 Decachlorobiphenyl	2958563	2959738	2874425	2871311	2842470	+++++	2901301	1.870

001257

167718

Report Date : 31-Aug-2006 08:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 02-AUG-2006 19:50
End Cal Date : 03-AUG-2006 02:04
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Cal Date : 18-Aug-2006 16:58 hjl
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 3.45591
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

001258

167719

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a020.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a020.d
Lab Smp Id: 1203
Inj Date : 02-AUG-2006 22:58
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-16-9
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 20 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

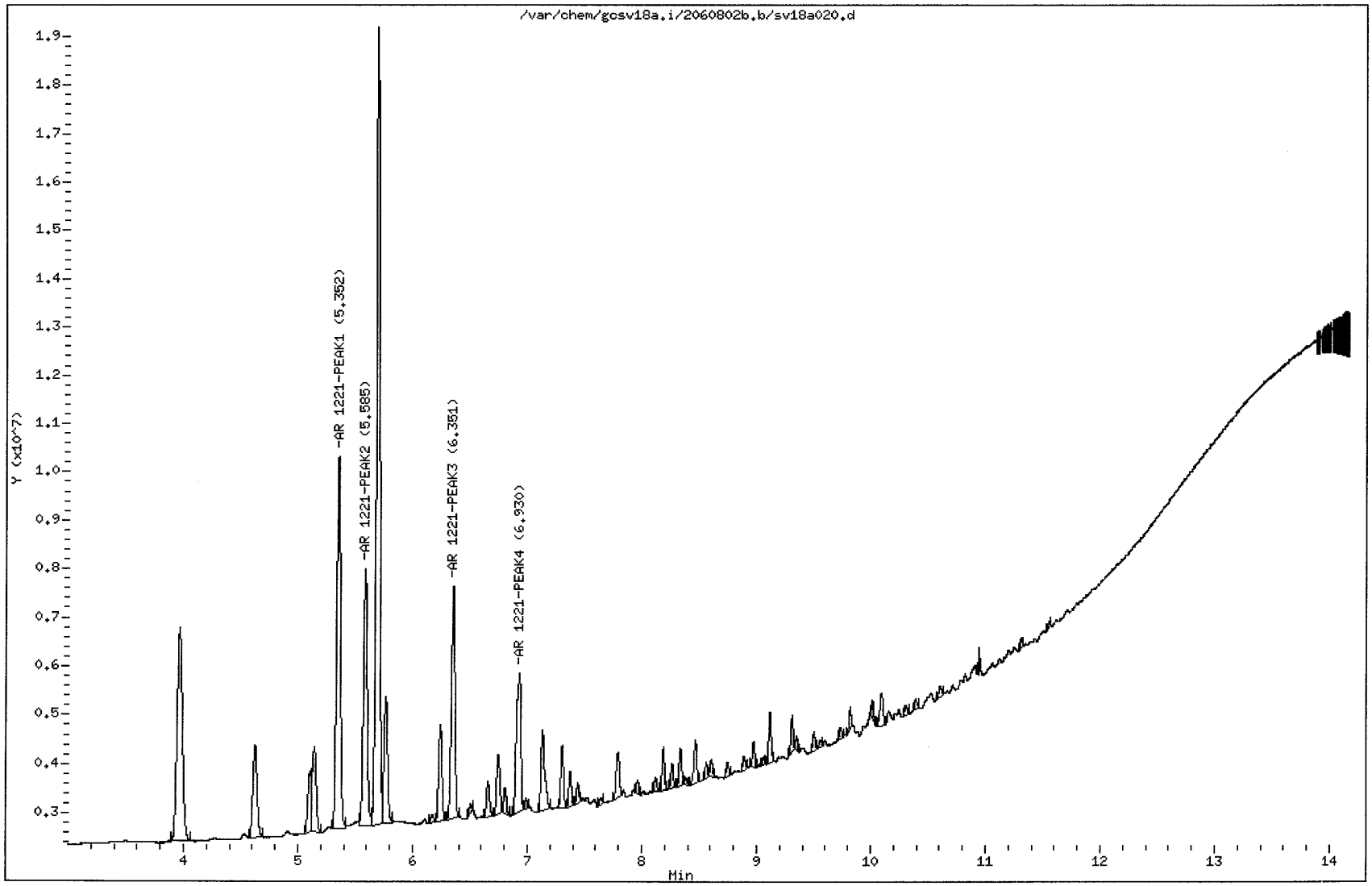
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 37 AR 1221-AVG				46424135	400.000	400
38 AR 1221-PEAK1	5.352	5.352	0.000	17232527	400.000	400
39 AR 1221-PEAK2	5.585	5.585	0.000	11549295	400.000	400
40 AR 1221-PEAK3	6.351	6.351	0.000	10076989	400.000	400
41 AR 1221-PEAK4	6.930	6.930	0.000	7565324	400.000	400

167720

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a020.d
Date : 02-AUG-2006 22:58
Client ID:
Sample Info: 1203M1 65-16-9
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001260



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a021.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a021.d
Lab Smp Id: 1203
Inj Date : 02-AUG-2006 23:17
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-16-10
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 21 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 42 AR 1232-AVG				129879520	400.000	400
43 AR 1232-PEAK1	5.691	5.691	0.000	32115998	400.000	400
44 AR 1232-PEAK2	6.346	6.346	0.000	30047139	400.000	400
45 AR 1232-PEAK3	6.930	6.930	0.000	49133491	400.000	400
46 AR 1232-PEAK4	8.189	8.189	0.000	18582892	400.000	400

001261

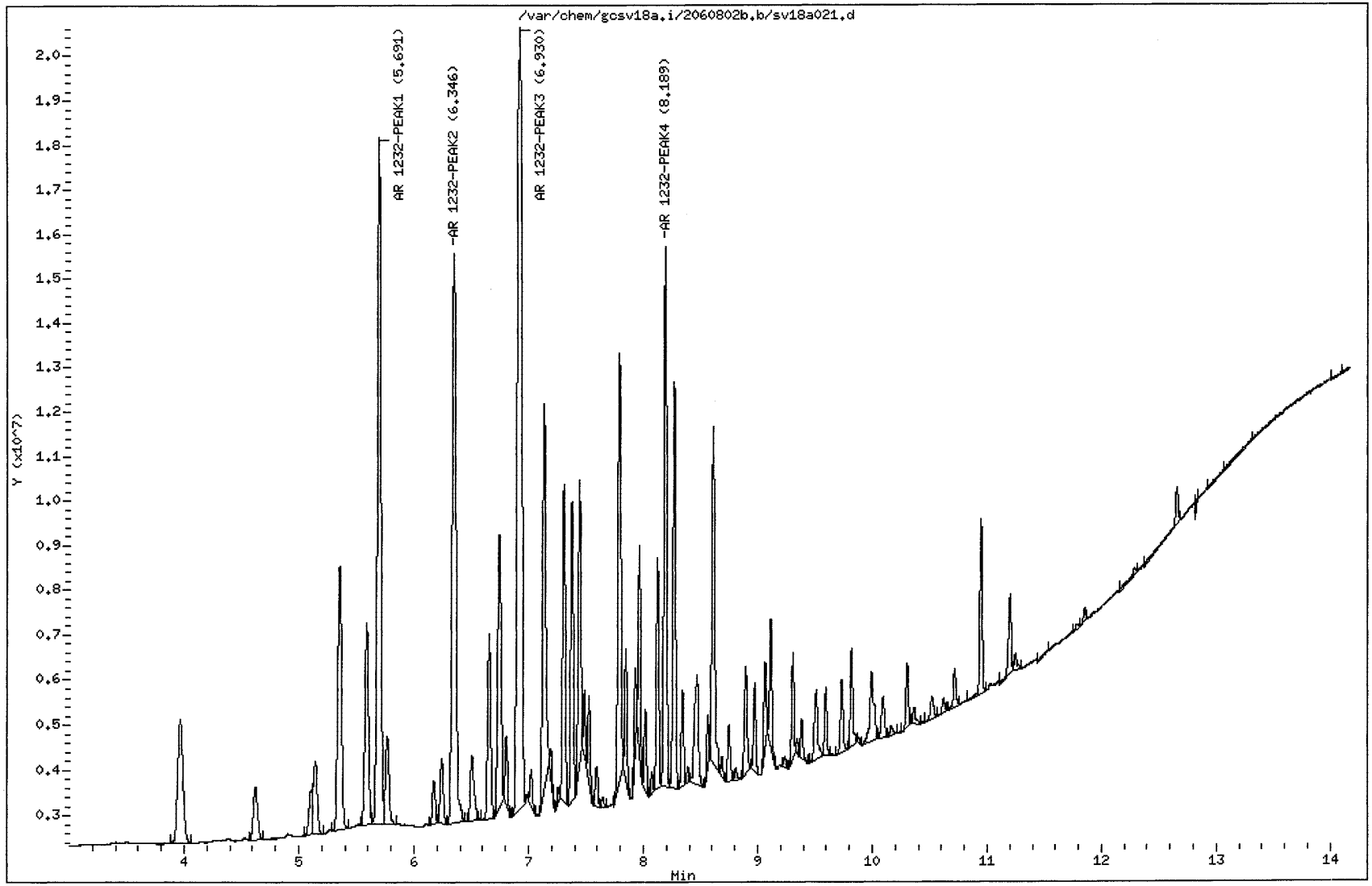
167722

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a021.d
Date : 02-AUG-2006 23:17
Client ID:
Sample Info: 1203*1 65-16-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001262



167723

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a022.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a022.d
Lab Smp Id: 1203
Inj Date : 02-AUG-2006 23:35
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-17-1
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 22 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	47 AR 1242-AVG				201270128	400.000	400
	48 AR 1242-PEAK1	5.691	5.691	0.000	21745745	400.000	400
	49 AR 1242-PEAK2	6.343	6.343	0.000	49136351	400.000	400
	50 AR 1242-PEAK3	6.928	6.928	0.000	96388060	400.000	400
	51 AR 1242-PEAK4	8.188	8.188	0.000	33999972	400.000	400

001263

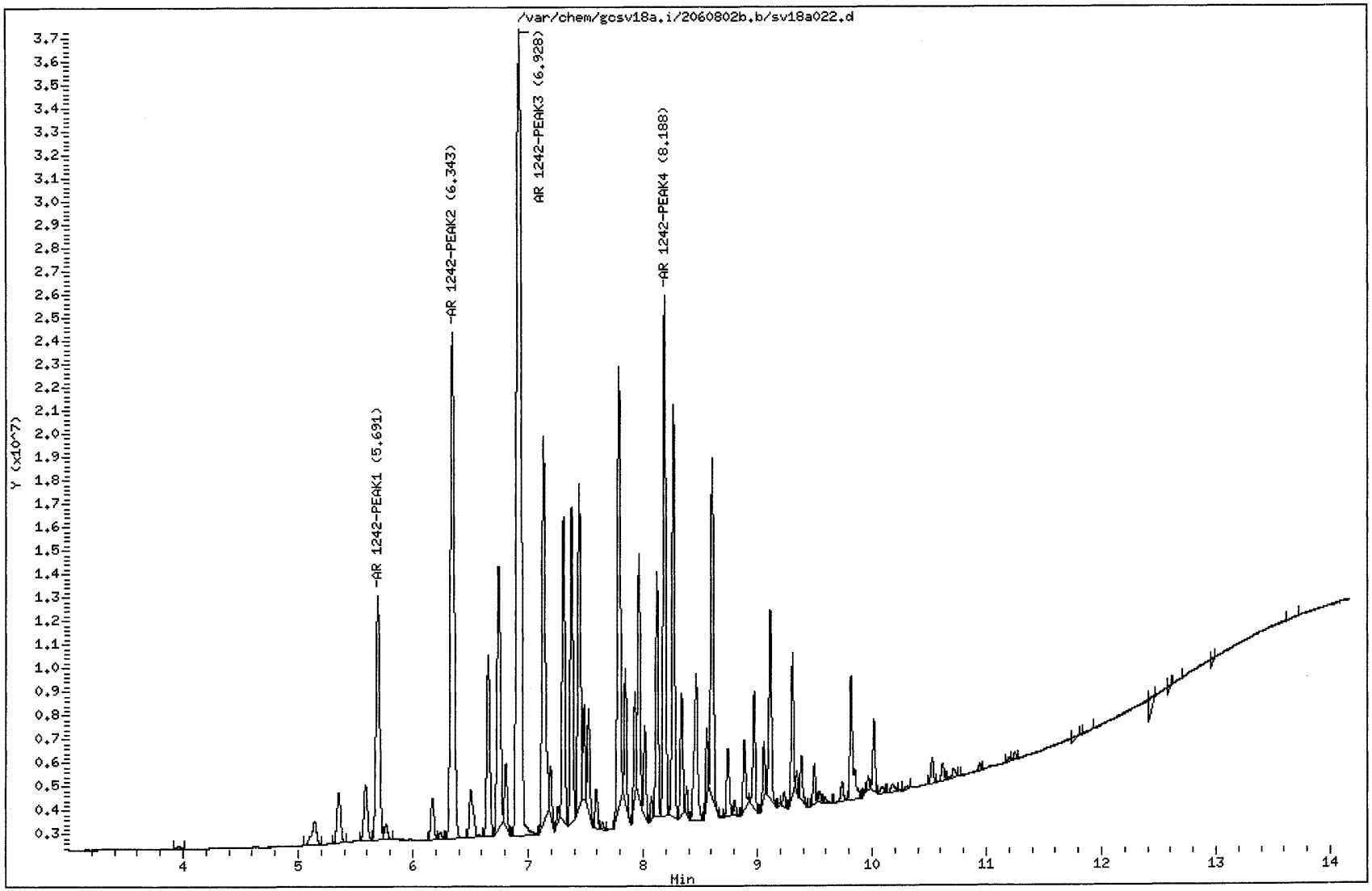
167724

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a022.d
Date : 02-AUG-2006 23:35
Client ID:
Sample Info: 1203*1 65-17-1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001264



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a023.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a023.d
Lab Smp Id: 1203
Inj Date : 02-AUG-2006 23:54
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-17-2
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 23 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

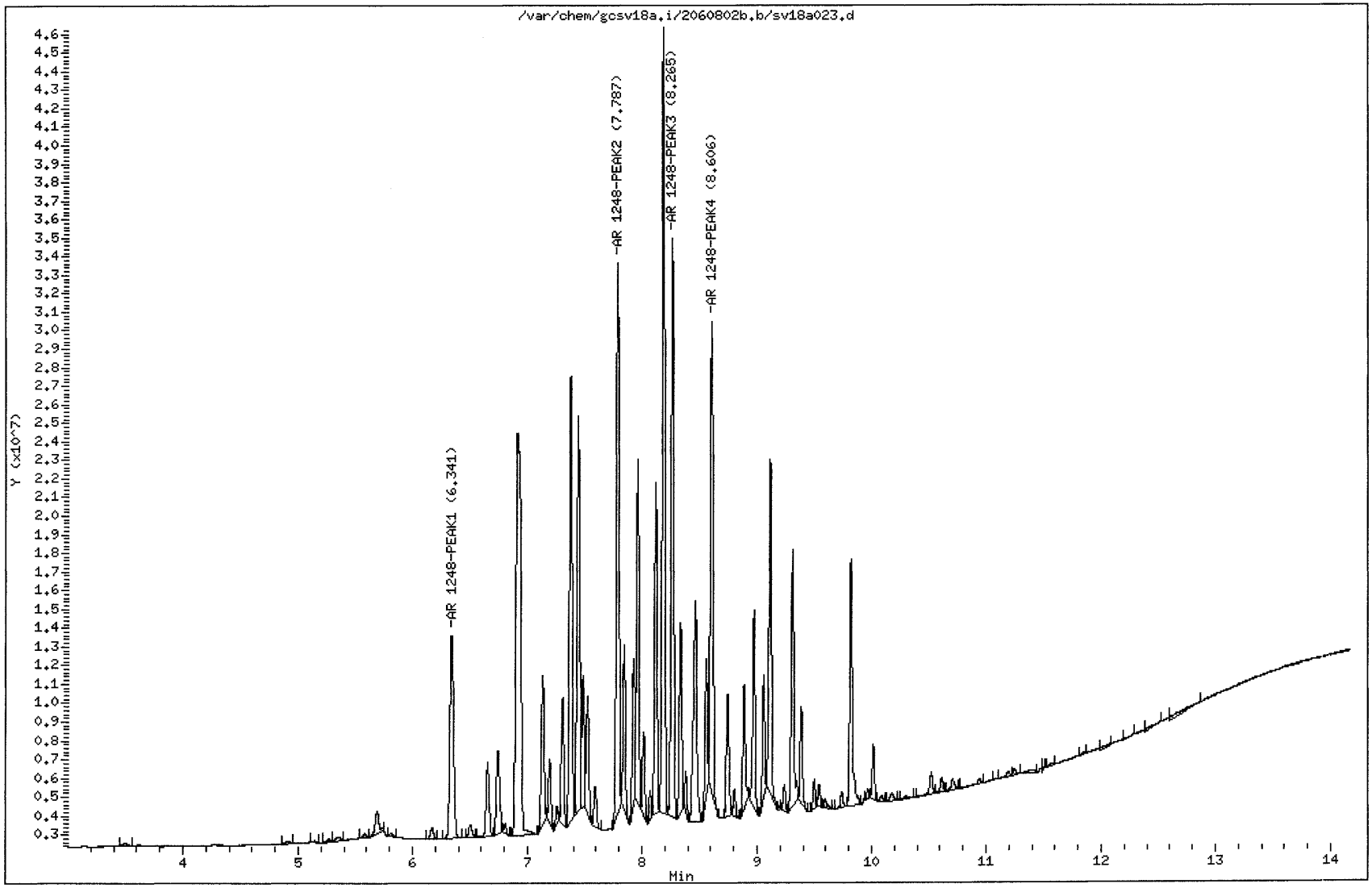
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 52 AR 1248-AVG				162125584	400.000	400
53 AR 1248-PEAK1	6.341	6.341	0.000	23810711	400.000	400
54 AR 1248-PEAK2	7.787	7.787	0.000	48486826	400.000	400
55 AR 1248-PEAK3	8.265	8.265	0.000	47474480	400.000	400
56 AR 1248-PEAK4	8.606	8.606	0.000	42353567	400.000	400

167726

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a023.d
Date : 02-AUG-2006 23:54
Client ID:
Sample Info: 1203x1 65-17-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

0041266



167727

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a024.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a024.d
Lab Smp Id: 1203
Inj Date : 03-AUG-2006 00:13
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-17-3
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 24 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	57 AR 1254-AVG				163289228	400.000	400
	58 AR 1254-PEAK1	8.561	8.561	0.000	20784620	400.000	400
	59 AR 1254-PEAK2	8.745	8.745	0.000	17456548	400.000	400
	60 AR 1254-PEAK3	8.974	8.974	0.000	39424128	400.000	400
	61 AR 1254-PEAK4	9.114	9.114	0.000	85623932	400.000	400

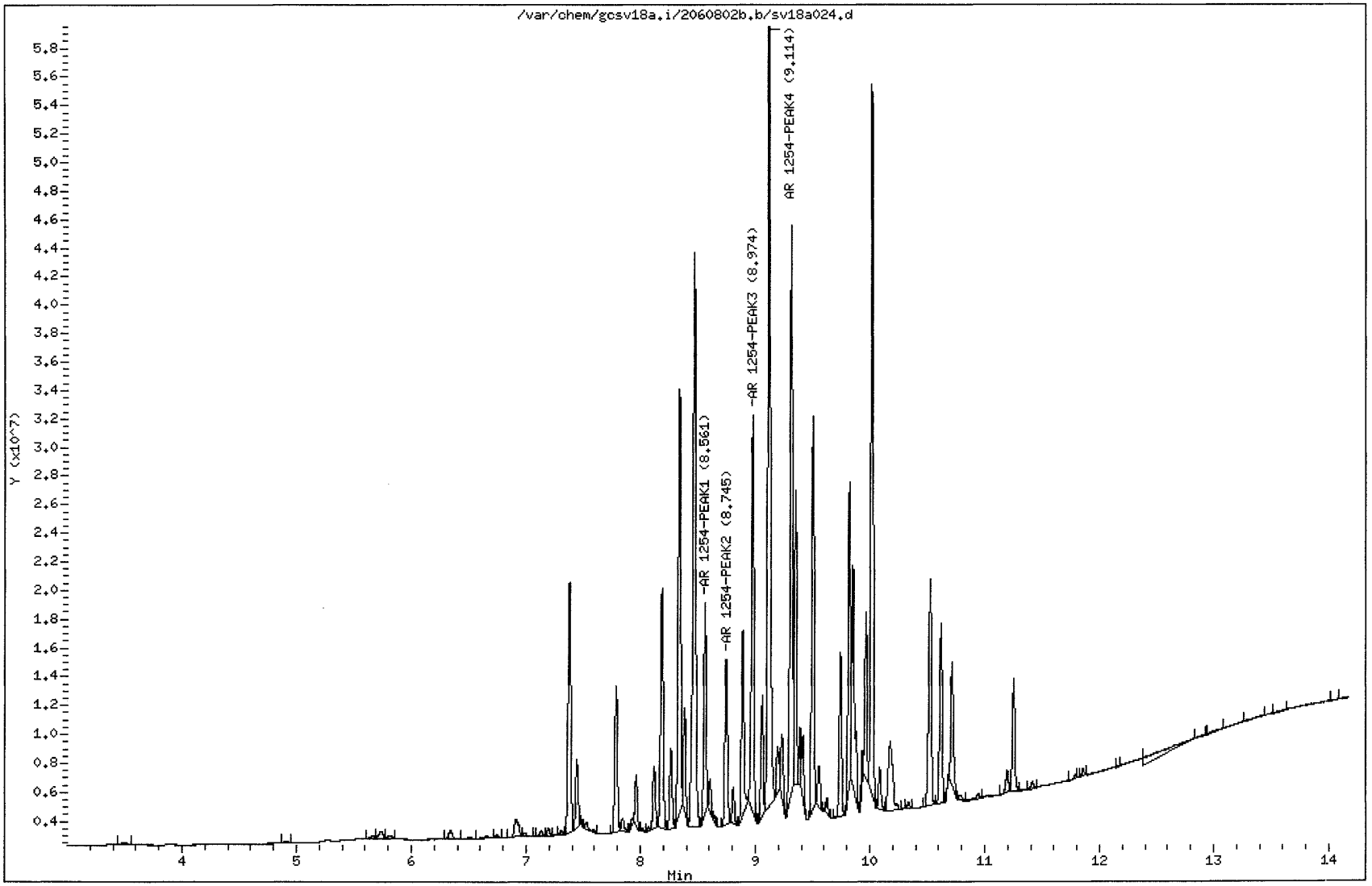
001267

167728

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a024.d
Date : 03-AUG-2006 00:13
Client ID:
Sample Info: 1203x1 65-17-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001268



167729

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a025.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a025.d
Lab Smp Id: 1206
Inj Date : 03-AUG-2006 00:31
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1206*1 50
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 00:31 Cal File: sv18a025.d
Als bottle: 25 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

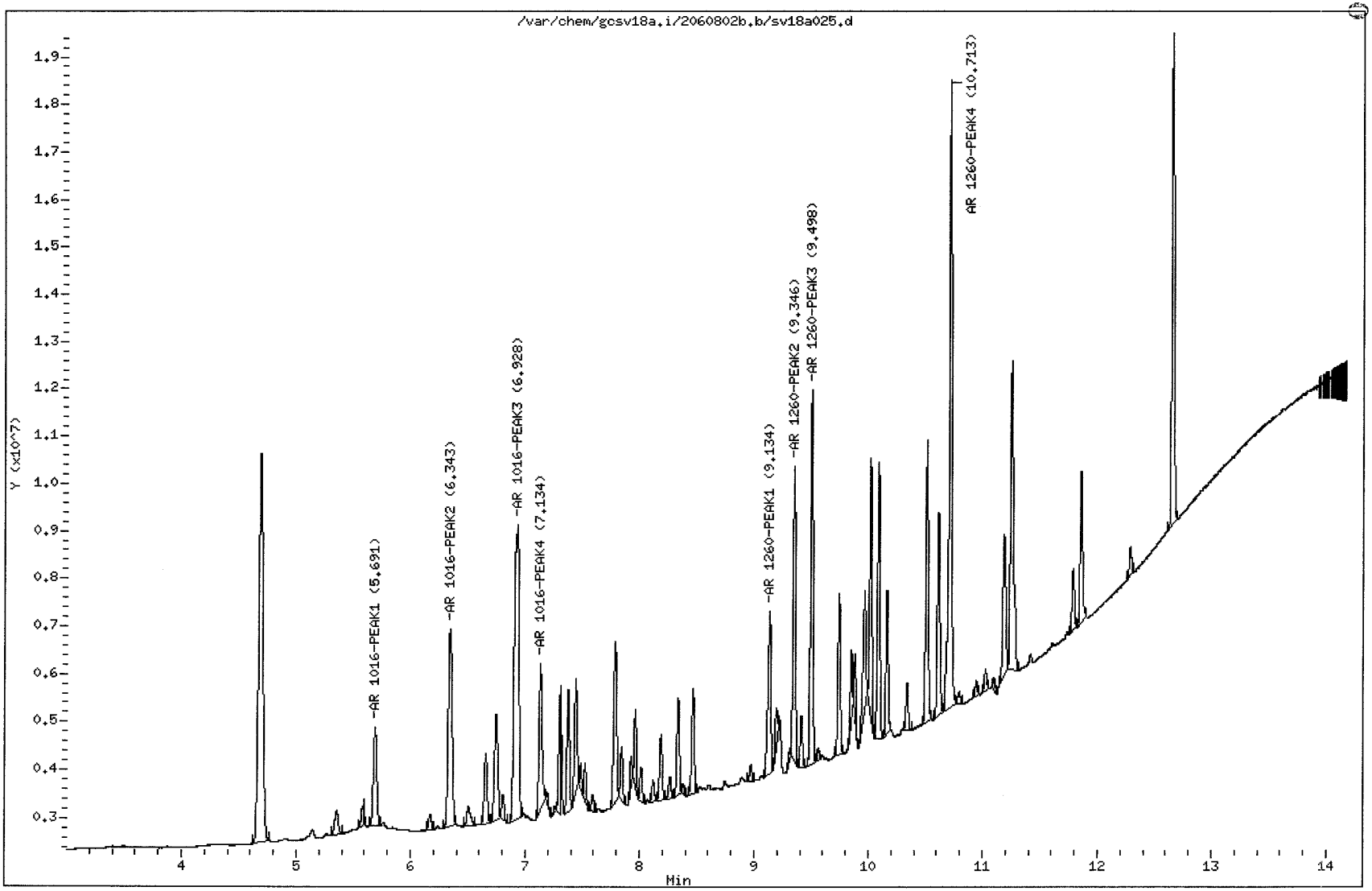
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				36635331	50.0000	55
	24 AR 1016-PEAK1	5.691	5.690	0.001	4212856	50.0000	56
	25 AR 1016-PEAK2	6.343	6.341	0.002	9511724	50.0000	57
	26 AR 1016-PEAK3	6.928	6.928	0.000	17550146	50.0000	55
	27 AR 1016-PEAK4	7.134	7.131	0.003	5360605	50.0000	53
M	28 AR 1260-AVG				47153008	50.0000	52
	29 AR 1260-PEAK1	9.134	9.132	0.002	6095155	50.0000	56
	30 AR 1260-PEAK2	9.346	9.346	0.000	8732041	50.0000	53
	31 AR 1260-PEAK3	9.498	9.498	0.000	11319052	50.0000	53
	32 AR 1260-PEAK4	10.713	10.712	0.001	21006760	50.0000	50

001269

167730

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a025.d
Date : 03-AUG-2006 00:31
Client ID:
Instrument: gcsv18a.i
Sample Info: 1206x1 50
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32

001270



167731

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a026.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a026.d
Lab Smp Id: 1201
Inj Date : 03-AUG-2006 00:49
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 100
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 00:49 Cal File: sv18a026.d
Als bottle: 26 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				68793773	100.000	100
	24 AR 1016-PEAK1	5.690	5.690	0.000	8464588	100.000	110
	25 AR 1016-PEAK2	6.343	6.341	0.002	17588608	100.000	110
	26 AR 1016-PEAK3	6.928	6.928	0.000	32882198	100.000	100
	27 AR 1016-PEAK4	7.132	7.131	0.001	9858379	100.000	98
M	28 AR 1260-AVG				91128581	100.000	100
	29 AR 1260-PEAK1	9.132	9.132	0.000	11268406	100.000	100
	30 AR 1260-PEAK2	9.345	9.346	-0.001	16636591	100.000	100
	31 AR 1260-PEAK3	9.497	9.498	-0.001	21472755	100.000	100
	32 AR 1260-PEAK4	10.712	10.712	0.000	41750829	100.000	99

001271

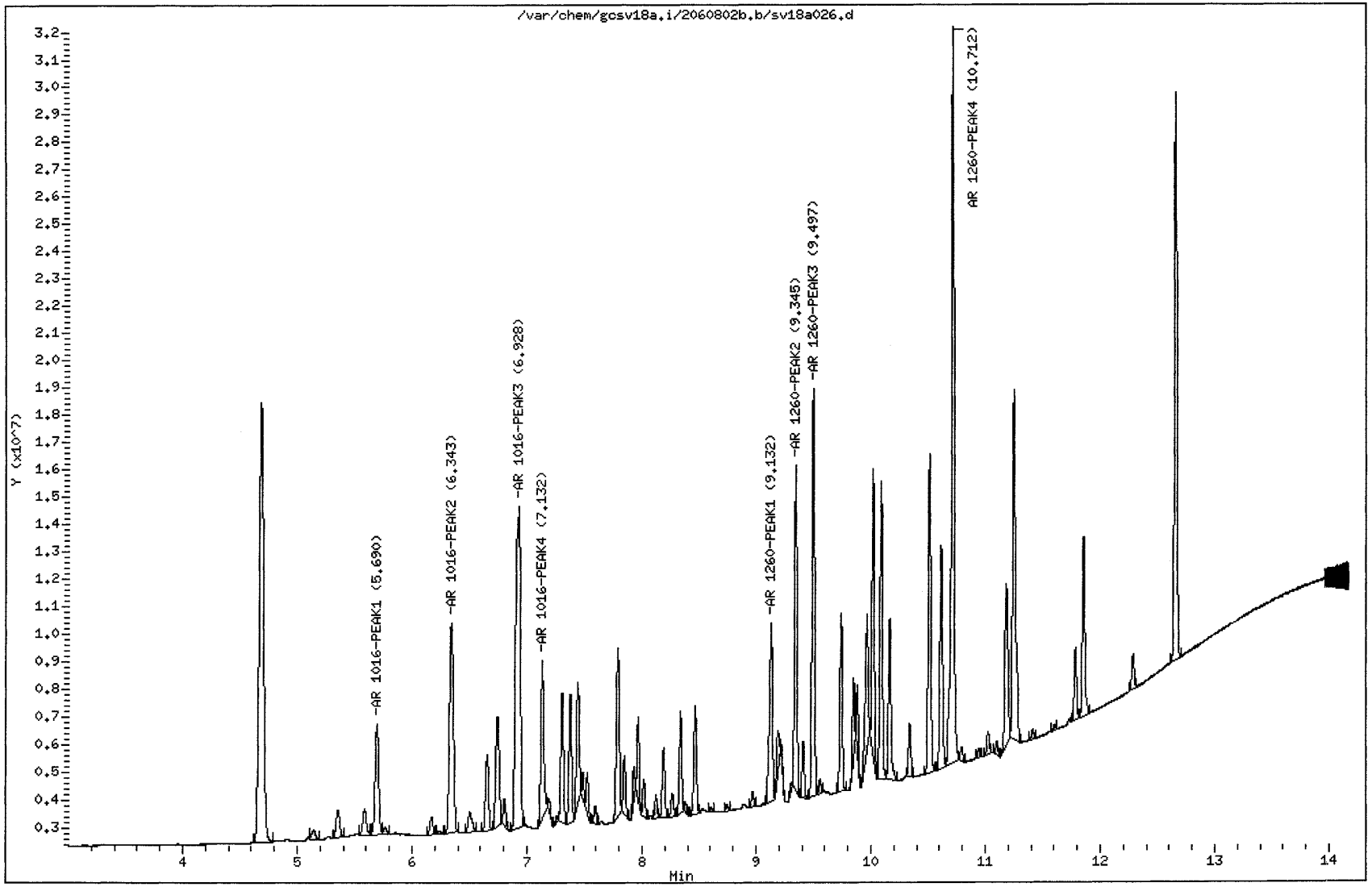
167732

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a026.d
Date : 03-AUG-2006 00:49
Client ID:
Sample Info: 1201M1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001272



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a027.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a027.d
Lab Smp Id: 1202
Inj Date : 03-AUG-2006 01:08
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1202*1 200
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:08 Cal File: sv18a027.d
Als bottle: 27 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				133299634	200.000	200
	24 AR 1016-PEAK1	5.690	5.690	0.000	15882877	200.000	210
	25 AR 1016-PEAK2	6.343	6.341	0.002	33283248	200.000	200
	26 AR 1016-PEAK3	6.928	6.928	0.000	63940816	200.000	200
	27 AR 1016-PEAK4	7.132	7.131	0.001	20192693	200.000	200
M	28 AR 1260-AVG				179069979	200.000	200
	29 AR 1260-PEAK1	9.133	9.132	0.001	21673720	200.000	200
	30 AR 1260-PEAK2	9.345	9.346	-0.001	32458143	200.000	200
	31 AR 1260-PEAK3	9.497	9.498	-0.001	42041462	200.000	200
	32 AR 1260-PEAK4	10.713	10.712	0.001	82896654	200.000	200

001273

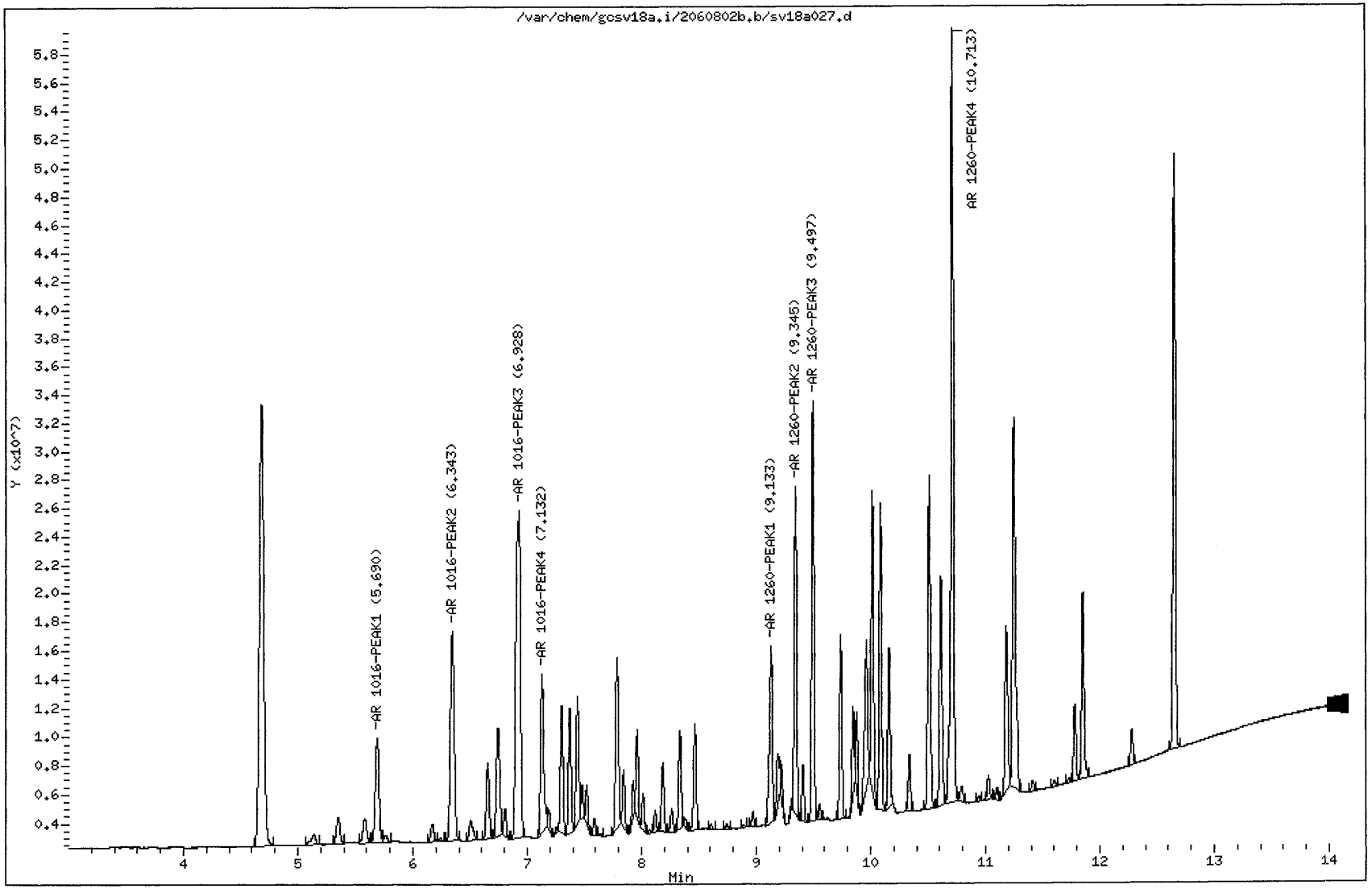
167734

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a027.d
Date : 03-AUG-2006 01:08
Client ID:
Sample Info: 1202*1 200
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001274



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a028.d
Report Date: 23-Aug-2006 16:43

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a028.d
Lab Smp Id: 1203
Inj Date : 03-AUG-2006 01:27
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 400
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:27 Cal File: sv18a028.d
Als bottle: 28 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				260721695	400.000	390
24 AR 1016-PEAK1	5.690	5.690	0.000	29171189	400.000	390
25 AR 1016-PEAK2	6.342	6.341	0.001	64113350	400.000	390
26 AR 1016-PEAK3	6.929	6.928	0.001	126575280	400.000	390
27 AR 1016-PEAK4	7.133	7.131	0.002	40861876	400.000	410
M 28 AR 1260-AVG				358853343	400.000	400
29 AR 1260-PEAK1	9.133	9.132	0.001	42281446	400.000	390
30 AR 1260-PEAK2	9.345	9.346	-0.001	64008687	400.000	390
31 AR 1260-PEAK3	9.498	9.498	0.000	83668023	400.000	400
32 AR 1260-PEAK4	10.713	10.712	0.001	168895187	400.000	400

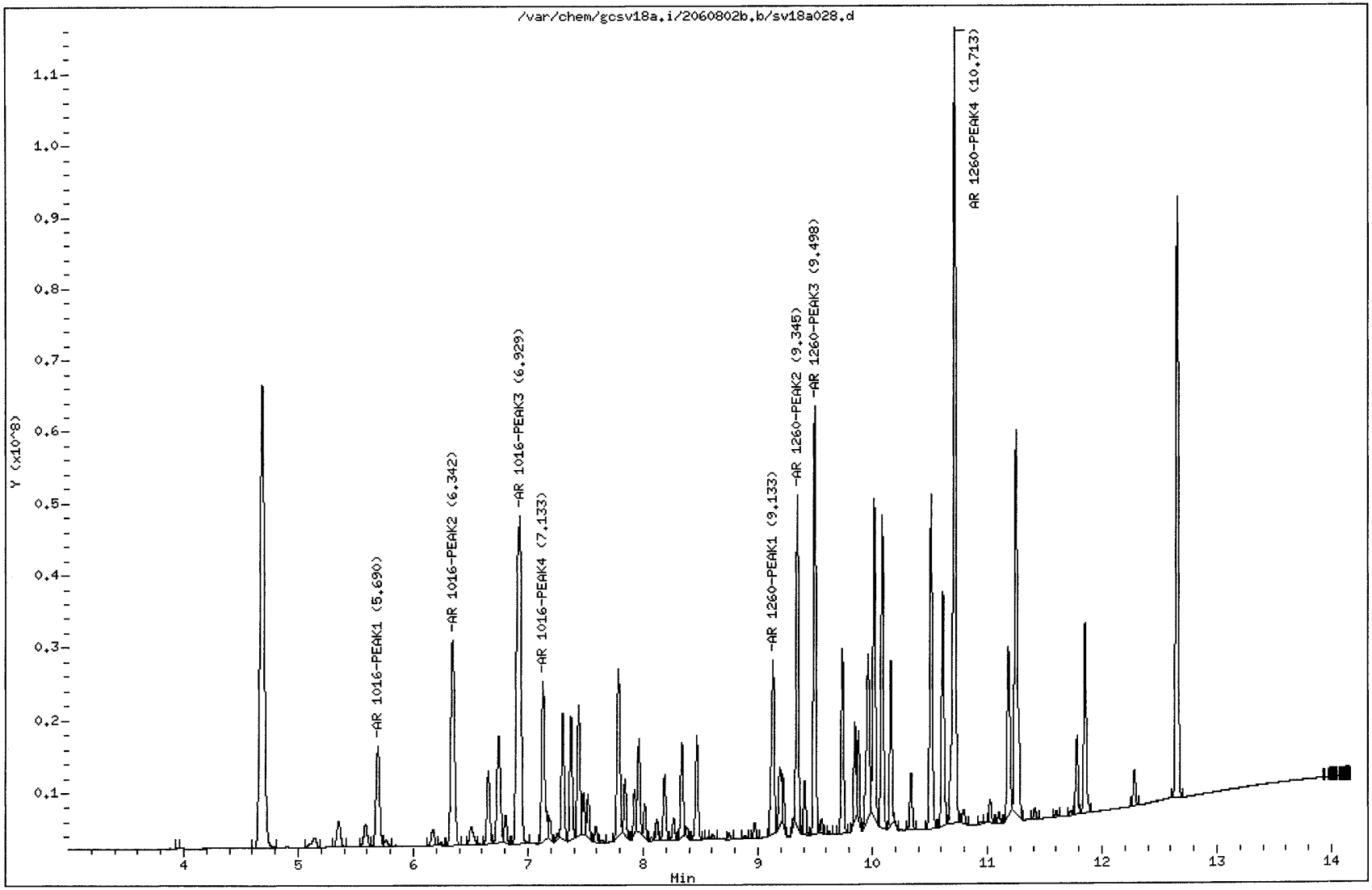
001275

167736

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a028.d
Date : 03-AUG-2006 01:27
Client ID:
Sample Info: 1203x1 400
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a029.d
Report Date: 23-Aug-2006 16:44

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a029.d
Lab Smp Id: 1204
Inj Date : 03-AUG-2006 01:45
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1204*1 800
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 01:45 Cal File: sv18a029.d
Als bottle: 29 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				495727486	800.000	750
	24 AR 1016-PEAK1	5.691	5.690	0.001	53943243	800.000	720
	25 AR 1016-PEAK2	6.343	6.341	0.002	121022307	800.000	730
	26 AR 1016-PEAK3	6.929	6.928	0.001	242576467	800.000	760
	27 AR 1016-PEAK4	7.132	7.131	0.001	78185469	800.000	780
M	28 AR 1260-AVG				707120914	800.000	780
	29 AR 1260-PEAK1	9.133	9.132	0.001	80740347	800.000	740
	30 AR 1260-PEAK2	9.345	9.346	-0.001	127606522	800.000	780
	31 AR 1260-PEAK3	9.498	9.498	0.000	163068818	800.000	770
	32 AR 1260-PEAK4	10.713	10.712	0.001	335705227	800.000	800

001277

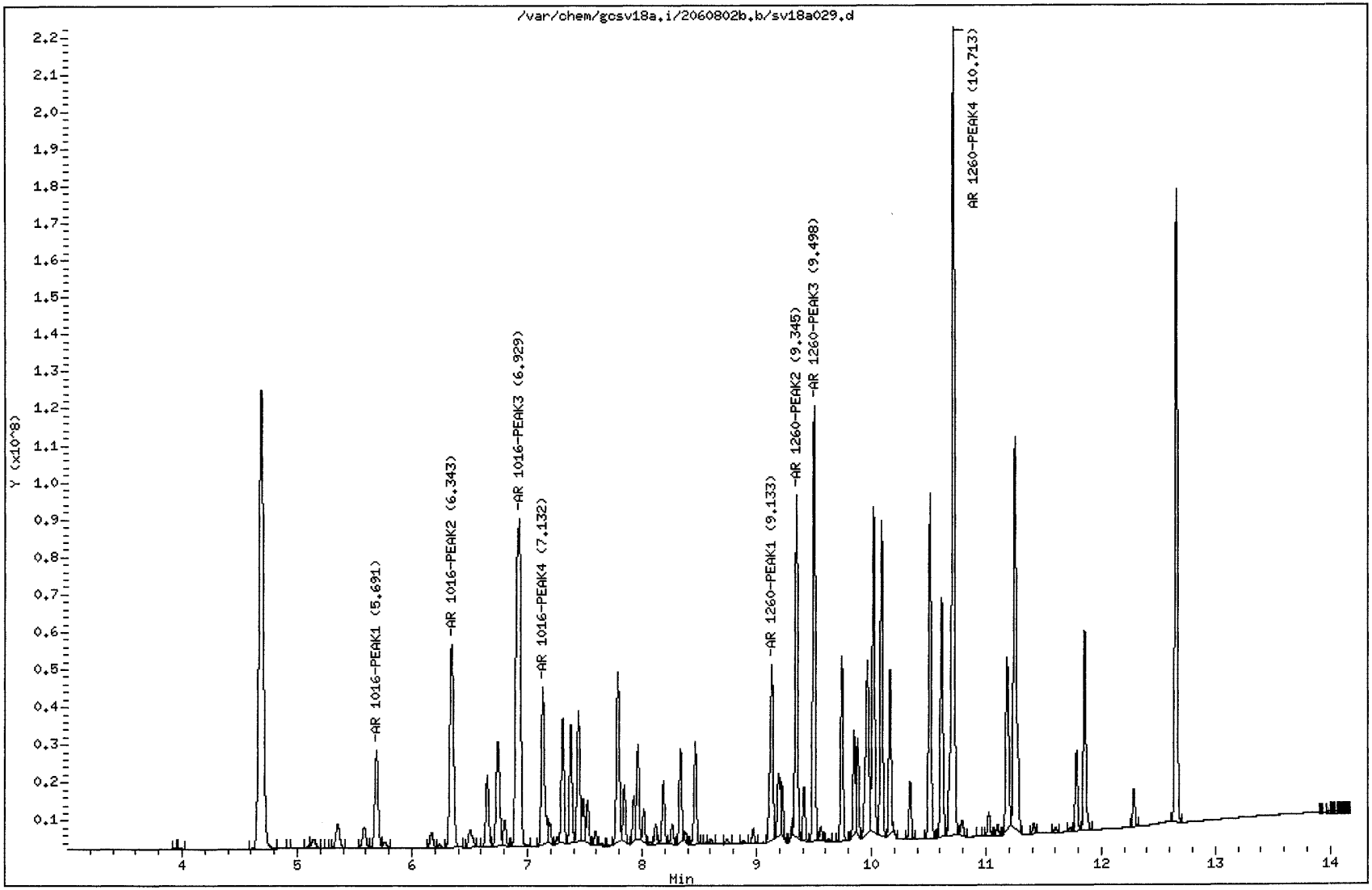
167738

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a029.d
Date : 03-AUG-2006 01:45
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

001278



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a030.d
Report Date: 23-Aug-2006 16:44

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a030.d
Lab Smp Id: 1205
Inj Date : 03-AUG-2006 02:04
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-30-10
Misc Info : GCSV~9770~*
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 30 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				988737559	1600.00	1500
	24 AR 1016-PEAK1	5.691	5.690	0.001	102229874	1600.00	1400
	25 AR 1016-PEAK2	6.343	6.341	0.002	240243886	1600.00	1400
	26 AR 1016-PEAK3	6.928	6.928	0.000	490176606	1600.00	1500
	27 AR 1016-PEAK4	7.132	7.131	0.001	156087193	1600.00	1600
M	28 AR 1260-AVG				1434429617	1600.00	1600
	29 AR 1260-PEAK1	9.132	9.132	0.000	161240361	1600.00	1500
	30 AR 1260-PEAK2	9.346	9.346	0.000	260520208	1600.00	1600
	31 AR 1260-PEAK3	9.497	9.498	-0.001	328959506	1600.00	1600
	32 AR 1260-PEAK4	10.713	10.712	0.001	683709542	1600.00	1600(A)

001279

167740

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a030.d
Report Date: 23-Aug-2006 16:44

QC Flag Legend

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

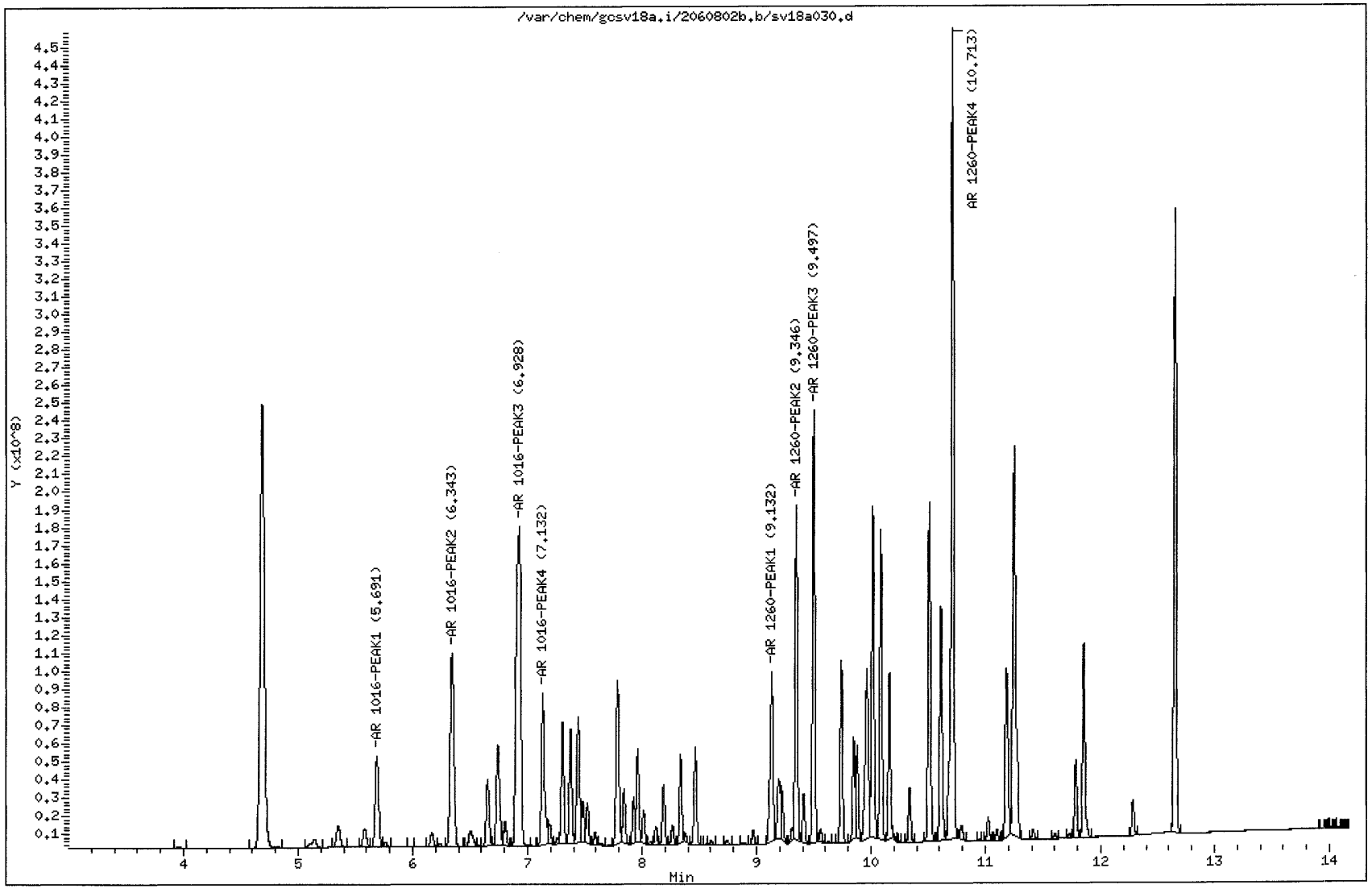
167741

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a030.d
Date : 03-AUG-2006 02:04
Client ID:
Sample Info: 1205x1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001281



Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a031.d
Report Date: 23-Aug-2006 16:44

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name:
Client SDG: 2060802b
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/2060802b.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	360	90.40	85-115
M 28 AR 1260-AVG	400	400	100.35	85-115

001282

167743

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a031.d
Report Date: 23-Aug-2006 16:44

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060802b.b/sv18a031.d
Lab Smp Id: 1600
Inj Date : 03-AUG-2006 02:23
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1600*1 65-24-10
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Meth Date : 04-Aug-2006 09:26 hjl Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 31 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)	FINAL (UG/L)
M	23 AR 1016-AVG				239664520	361.615	360
	24 AR 1016-PEAK1	5.690	5.690	0.000	25290776	335.297	340
	25 AR 1016-PEAK2	6.342	6.341	0.001	60378039	364.363	360
	26 AR 1016-PEAK3	6.928	6.928	0.000	117989854	367.656	370
	27 AR 1016-PEAK4	7.132	7.131	0.001	36005851	357.555	360
M	28 AR 1260-AVG				363085836	401.403	400
	29 AR 1260-PEAK1	9.132	9.132	0.000	52103876	480.693	480
	30 AR 1260-PEAK2	9.345	9.346	-0.001	67814242	412.808	410
	31 AR 1260-PEAK3	9.497	9.498	-0.001	90596861	428.043	430
	32 AR 1260-PEAK4	10.712	10.712	0.000	152570857	363.075	360

001283

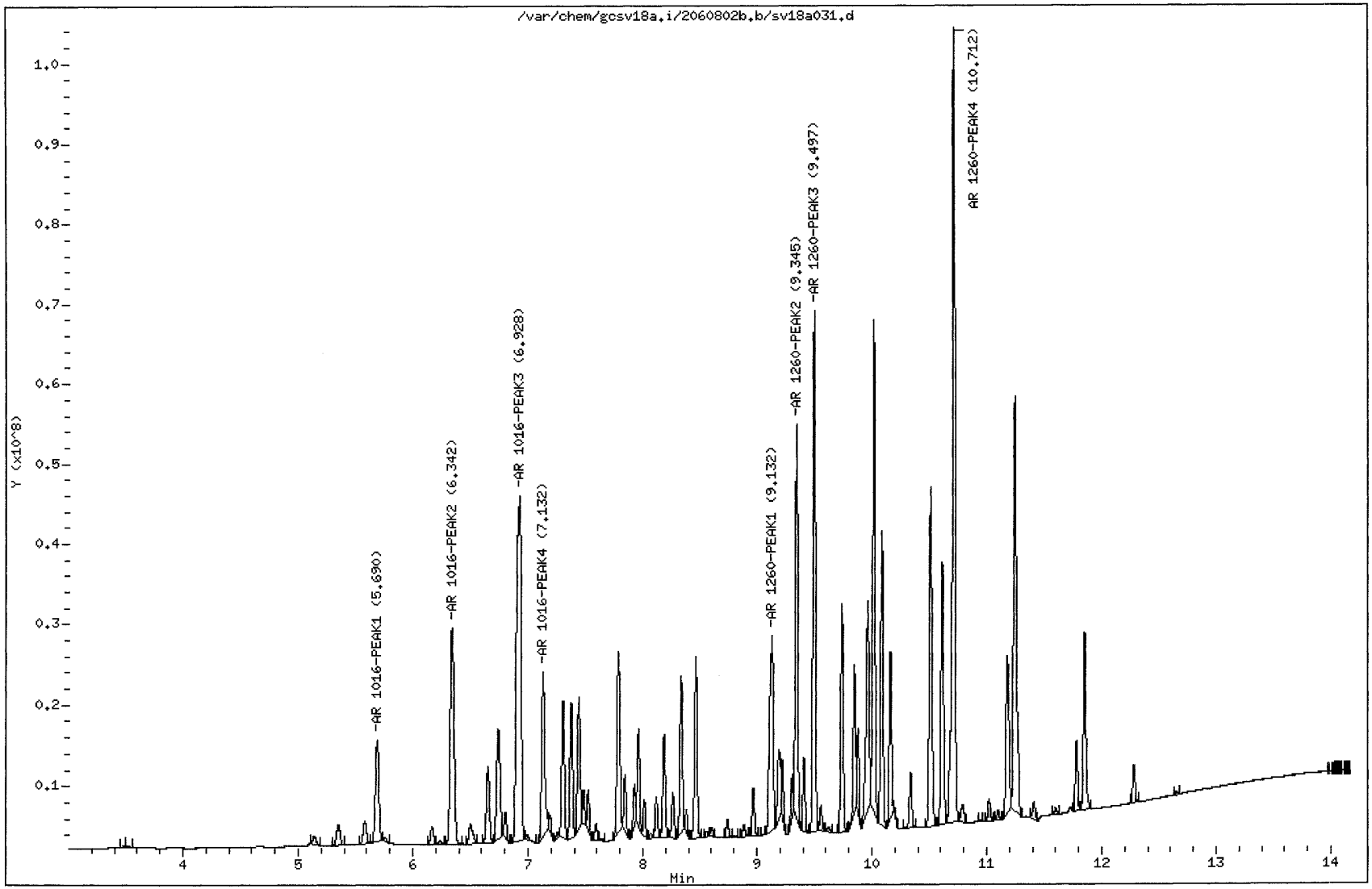
167744

Data File: /var/chem/gcsv18a.i/2060802b.b/sv18a031.d
Date : 03-AUG-2006 02:23
Client ID:
Sample Info: 1600*1 65-24-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001284



167745

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a003.d
Report Date: 10-Aug-2006 11:59

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 10-AUG-2006 11:55
Lab File ID: sv18a003.d Init. Cal. Date(s): 02-AUG-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 19:50 02:04
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2060810.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	662761	643135	0.010	2.96134	15.00000	Averaged
24 AR 1016-PEAK1	75428	70236	0.010	6.88359	15.00000	Averaged
25 AR 1016-PEAK2	165708	162780	0.010	1.76751	15.00000	Averaged
26 AR 1016-PEAK3	320925	310164	0.010	3.35307	15.00000	Averaged
27 AR 1016-PEAK4	100700	99955	0.010	0.73957	15.00000	Averaged
M 28 AR 1260-AVG	904541	865739	0.010	4.28976	15.00000	Averaged
29 AR 1260-PEAK1	108393	102696	0.010	5.25592	15.00000	Averaged
30 AR 1260-PEAK2	164275	173592	0.010	-5.67159	15.00000	Averaged
31 AR 1260-PEAK3	211654	204935	0.010	3.17456	15.00000	Averaged
32 AR 1260-PEAK4	420219	384516	0.010	8.49642	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.25933
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001285

167746

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a003.d
Report Date: 10-Aug-2006 11:59

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060810.b/sv18a003.d
Lab Smp Id: 1400
Inj Date : 10-AUG-2006 11:55
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-30-10
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060810.b/pest35MS.m
Meth Date : 10-Aug-2006 11:59 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				257253820	400.000	390
	24 AR 1016-PEAK1	5.693	5.690	0.003	28094344	400.000	370
	25 AR 1016-PEAK2	6.337	6.341	-0.004	65111800	400.000	390
	26 AR 1016-PEAK3	6.930	6.952	-0.022	124065549	400.000	390
	27 AR 1016-PEAK4	7.132	7.132	0.000	39982126	400.000	400
M	28 AR 1260-AVG				346295513	400.000	380
	29 AR 1260-PEAK1	9.125	9.131	-0.006	41078508	400.000	380
	30 AR 1260-PEAK2	9.338	9.345	-0.007	69436974	400.000	420
	31 AR 1260-PEAK3	9.492	9.497	-0.005	81973820	400.000	390
	32 AR 1260-PEAK4	10.707	10.715	-0.008	153806210	400.000	370

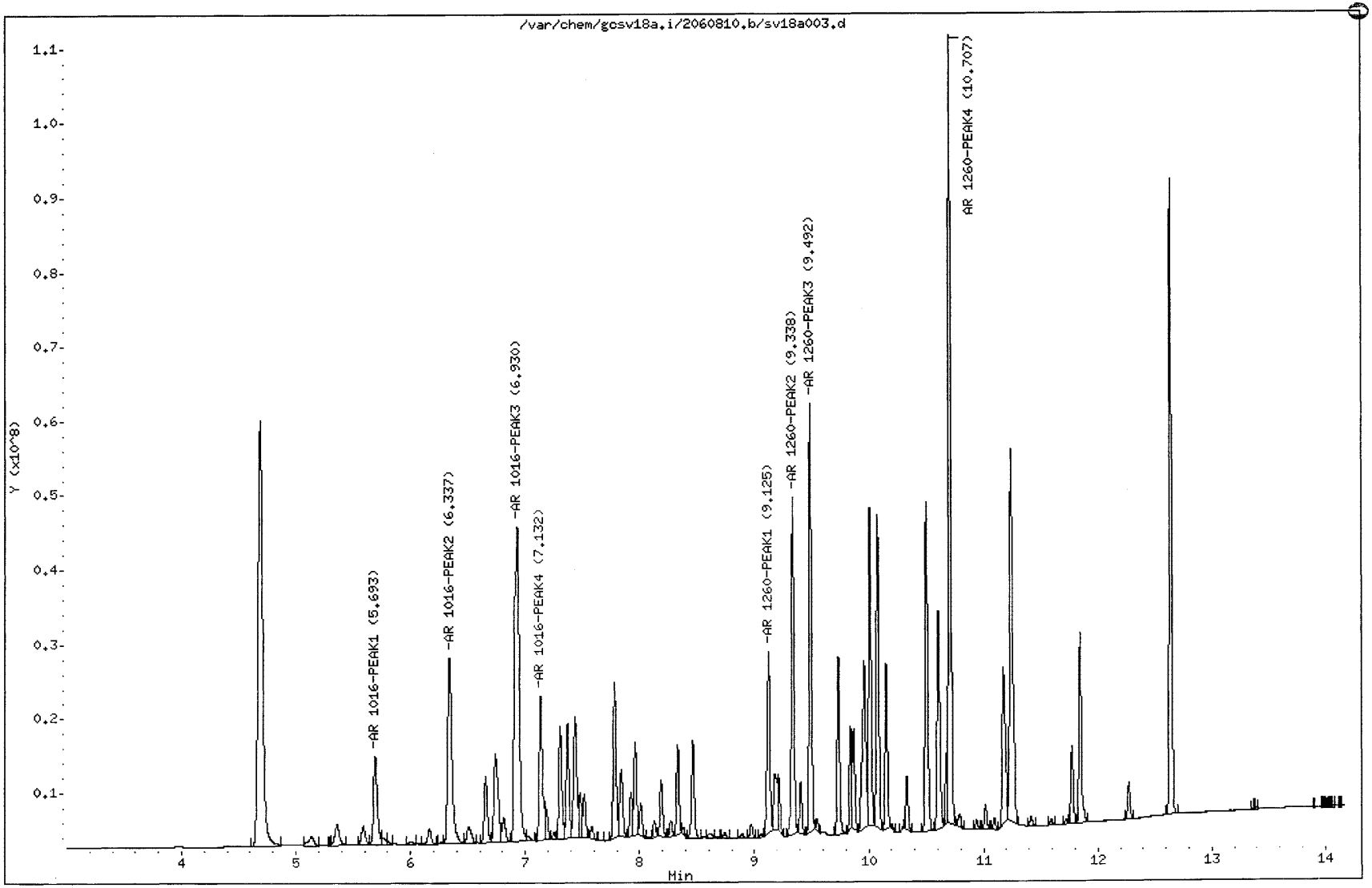
167747

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a003.d
Date : 10-AUG-2006 11:55
Client ID:
Sample Info: 1400x1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001287



167748

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a012.d
Report Date: 10-Aug-2006 16:30

Gulf Coast Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 10-AUG-2006 15:37
Lab File ID: sv18a012.d Init. Cal. Date(s): 02-AUG-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 19:50 02:04
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2060810.b/pest35MS.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF60	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	662761	652235	0.010	1.58823	15.00000	Averaged
24 AR 1016-PEAK1	75428	68026	0.010	9.81360	15.00000	Averaged
25 AR 1016-PEAK2	165708	162727	0.010	1.79923	15.00000	Averaged
26 AR 1016-PEAK3	320925	320740	0.010	0.05743	15.00000	Averaged
27 AR 1016-PEAK4	100700	100742	0.010	-0.04152	15.00000	Averaged
M 28 AR 1260-AVG	904541	896232	0.010	0.91863	15.00000	Averaged
29 AR 1260-PEAK1	108393	103797	0.010	4.24035	15.00000	Averaged
30 AR 1260-PEAK2	164275	179602	0.010	-9.32996	15.00000	Averaged
31 AR 1260-PEAK3	211654	214765	0.010	-1.47002	15.00000	Averaged
32 AR 1260-PEAK4	420219	398068	0.010	5.27137	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.45303
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001288

167749

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a012.d
Report Date: 10-Aug-2006 16:30

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2060810.b/sv18a012.d
Lab Smp Id: 1400
Inj Date : 10-AUG-2006 15:37
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-31-2
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060810.b/pest35MS.m
Meth Date : 10-Aug-2006 16:30 smh Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 12 Continuing Calibration Sample
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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				260893995	400.000	390
	24 AR 1016-PEAK1	5.687	5.689	-0.002	27210324	400.000	360
	25 AR 1016-PEAK2	6.335	6.341	-0.006	65090774	400.000	390
	26 AR 1016-PEAK3	6.926	6.951	-0.025	128296149	400.000	400
	27 AR 1016-PEAK4	7.129	7.131	-0.002	40296747	400.000	400
M	28 AR 1260-AVG				358492834	400.000	400
	29 AR 1260-PEAK1	9.124	9.131	-0.007	41518831	400.000	380
	30 AR 1260-PEAK2	9.337	9.345	-0.008	71840895	400.000	440
	31 AR 1260-PEAK3	9.490	9.497	-0.007	85905981	400.000	410
	32 AR 1260-PEAK4	10.704	10.714	-0.010	159227125	400.000	380

001289

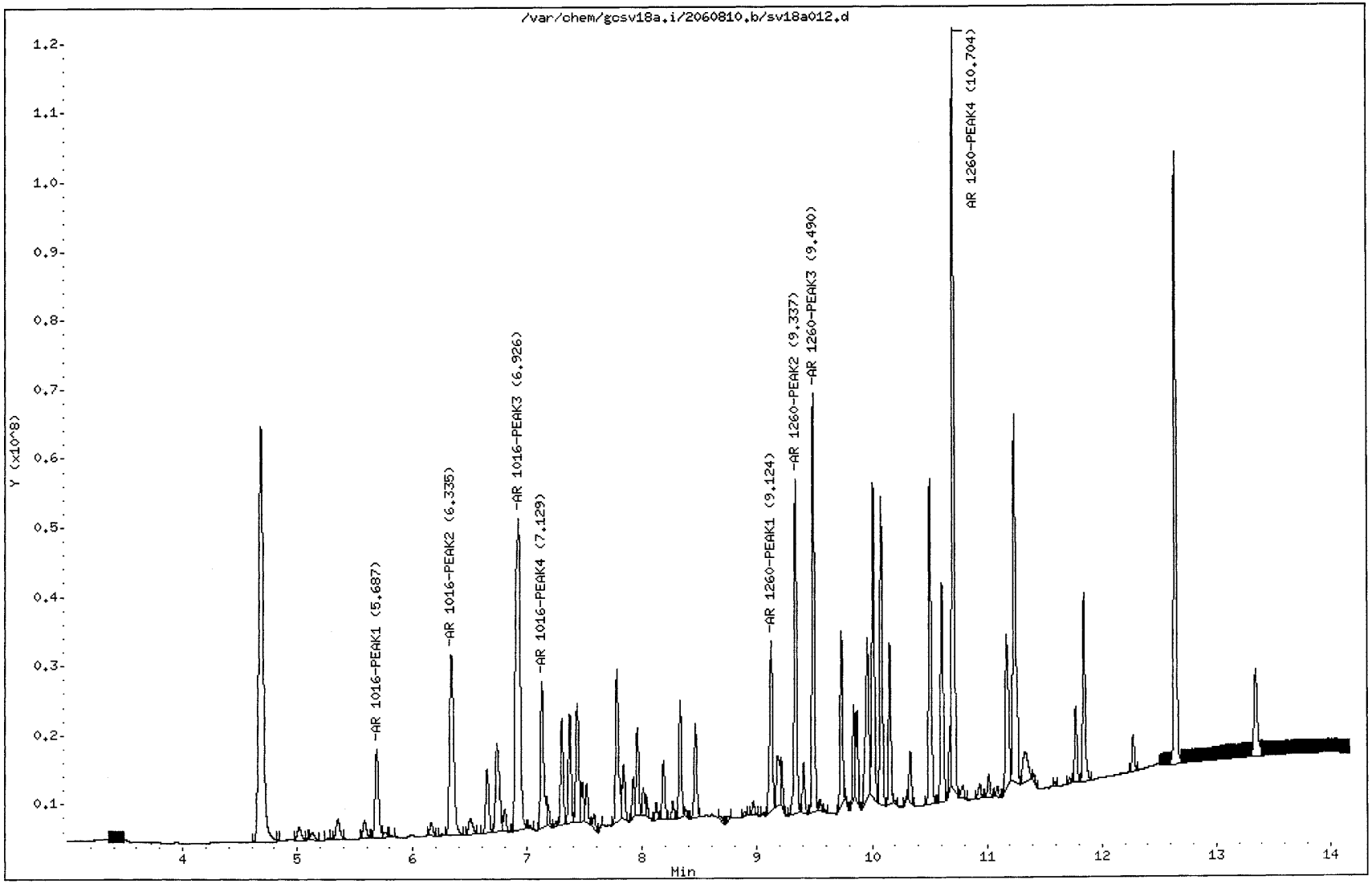
167750

001290

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a012.d
Date : 10-AUG-2006 15:37
Client ID:
Sample Info: 1400W1 65-31-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



167751

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a030.d
Report Date: 11-Aug-2006 08:04

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 10-AUG-2006 22:05
Lab File ID: sv18a030.d Init. Cal. Date(s): 02-AUG-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 19:50 02:04
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2060810.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	662761	647858	0.010	2.24865	15.00000	Averaged
24 AR 1016-PEAK1	75428	70000	0.010	7.19575	15.00000	Averaged
25 AR 1016-PEAK2	165708	163238	0.010	1.49092	15.00000	Averaged
26 AR 1016-PEAK3	320925	314881	0.010	1.88334	15.00000	Averaged
27 AR 1016-PEAK4	100700	99739	0.010	0.95422	15.00000	Averaged
M 28 AR 1260-AVG	904541	871300	0.010	3.67495	15.00000	Averaged
29 AR 1260-PEAK1	108393	100612	0.010	7.17862	15.00000	Averaged
30 AR 1260-PEAK2	164275	175361	0.010	-6.74824	15.00000	Averaged
31 AR 1260-PEAK3	211654	207655	0.010	1.88946	15.00000	Averaged
32 AR 1260-PEAK4	420219	387672	0.010	7.74523	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.10094
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001291

167752

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a030.d
Report Date: 11-Aug-2006 08:04

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060810.b/sv18a030.d
Lab Smp Id: 1400
Inj Date : 10-AUG-2006 22:05
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-30-10
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060810.b/pest35MS.m
Meth Date : 11-Aug-2006 08:04 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 30 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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 23 AR 1016-AVG				259143202	400.000	390
24 AR 1016-PEAK1	5.690	5.689	0.001	28000160	400.000	370
25 AR 1016-PEAK2	6.336	6.341	-0.005	65295136	400.000	390
26 AR 1016-PEAK3	6.928	6.952	-0.024	125952241	400.000	390
27 AR 1016-PEAK4	7.131	7.132	-0.001	39895663	400.000	400
M 28 AR 1260-AVG				348519997	400.000	390
29 AR 1260-PEAK1	9.124	9.131	-0.007	40244876	400.000	370
30 AR 1260-PEAK2	9.337	9.345	-0.008	70144440	400.000	430
31 AR 1260-PEAK3	9.491	9.497	-0.006	83061803	400.000	390
32 AR 1260-PEAK4	10.707	10.715	-0.008	155068876	400.000	370

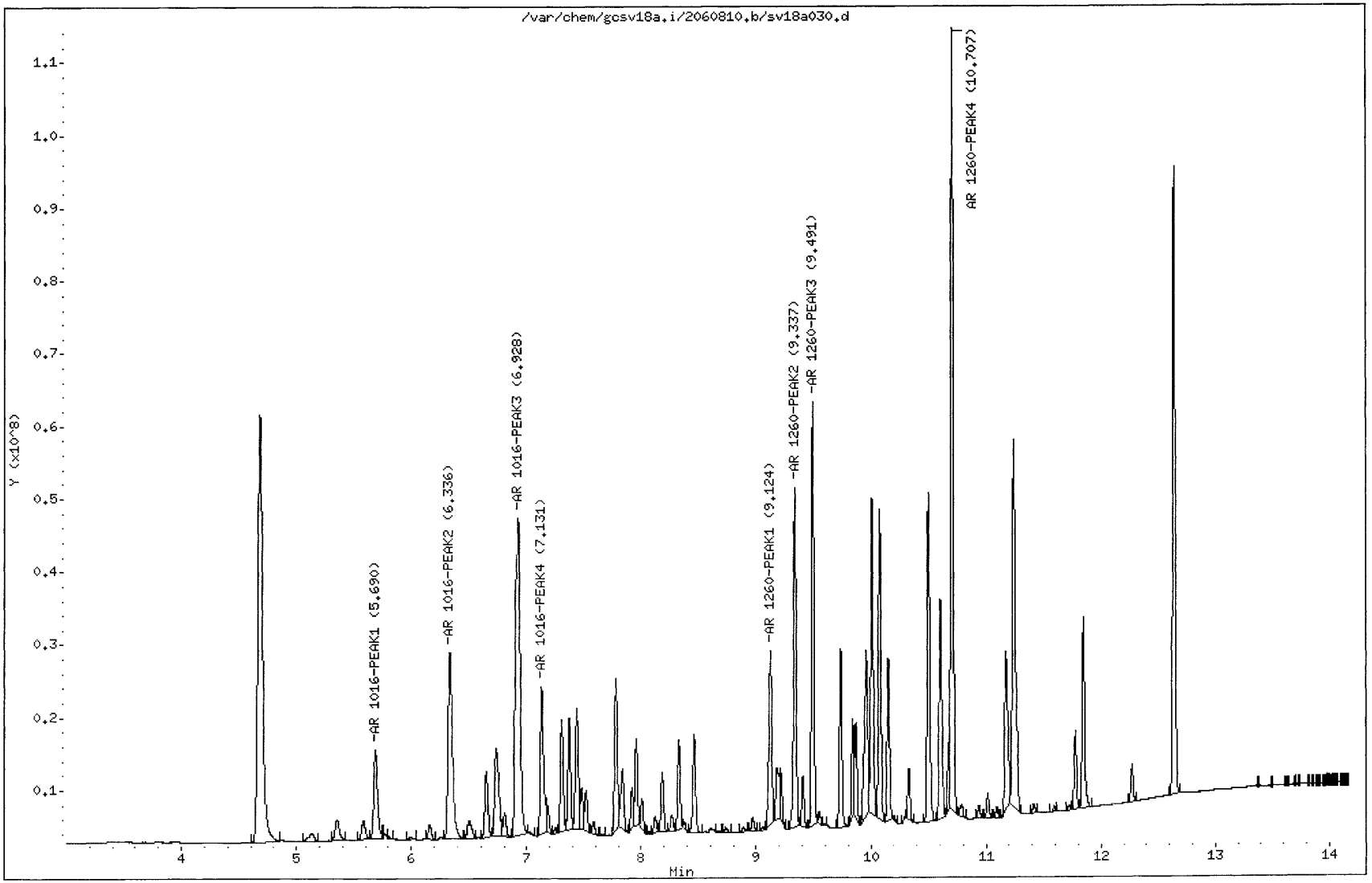
167753

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a030.d
Date : 10-AUG-2006 22:05
Client ID:
Sample Info: 1400x1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001293



167754

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a044.d
Report Date: 11-Aug-2006 08:04

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 11-AUG-2006 02:27
Lab File ID: sv18a044.d Init. Cal. Date(s): 02-AUG-2006 03-AUG-2006
Analysis Type: WATER Init. Cal. Times: 19:50 02:04
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2060810.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
M 23 AR 1016-AVG	662761	725197	0.010	-9.42050	15.00000	Averaged	
24 AR 1016-PEAK1	75428	77417	0.010	-2.63636	15.00000	Averaged	
25 AR 1016-PEAK2	165708	177310	0.010	-7.00139	15.00000	Averaged	
26 AR 1016-PEAK3	320925	343342	0.010	-6.98516	15.00000	Averaged	
27 AR 1016-PEAK4	100700	127128	0.010	-26.24413	15.00000	Averaged	<-
M 28 AR 1260-AVG	904541	958508	0.010	-5.96618	15.00000	Averaged	
29 AR 1260-PEAK1	108393	110117	0.010	-1.59054	15.00000	Averaged	
30 AR 1260-PEAK2	164275	191654	0.010	-16.66597	15.00000	Averaged	<-
31 AR 1260-PEAK3	211654	228203	0.010	-7.81920	15.00000	Averaged	
32 AR 1260-PEAK4	420219	428534	0.010	-1.97868	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.63081
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001294

167755

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a044.d
Report Date: 11-Aug-2006 08:04

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060810.b/sv18a044.d
Lab Smp Id: 1400
Inj Date : 11-AUG-2006 02:27
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-30-10
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2060810.b/pest35MS.m
Meth Date : 11-Aug-2006 08:04 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.d
Als bottle: 44 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	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				290078635	400.000	440
	24 AR 1016-PEAK1	5.691	5.689	0.002	30966628	400.000	410
	25 AR 1016-PEAK2	6.335	6.341	-0.006	70924120	400.000	430
	26 AR 1016-PEAK3	6.929	6.952	-0.023	137336720	400.000	430
	27 AR 1016-PEAK4	7.131	7.132	-0.001	50851166	400.000	500
M	28 AR 1260-AVG				383403205	400.000	420
	29 AR 1260-PEAK1	9.124	9.130	-0.006	44046950	400.000	410
	30 AR 1260-PEAK2	9.337	9.345	-0.008	76661400	400.000	470
	31 AR 1260-PEAK3	9.490	9.497	-0.007	91281288	400.000	430
	32 AR 1260-PEAK4	10.705	10.714	-0.009	171413565	400.000	410

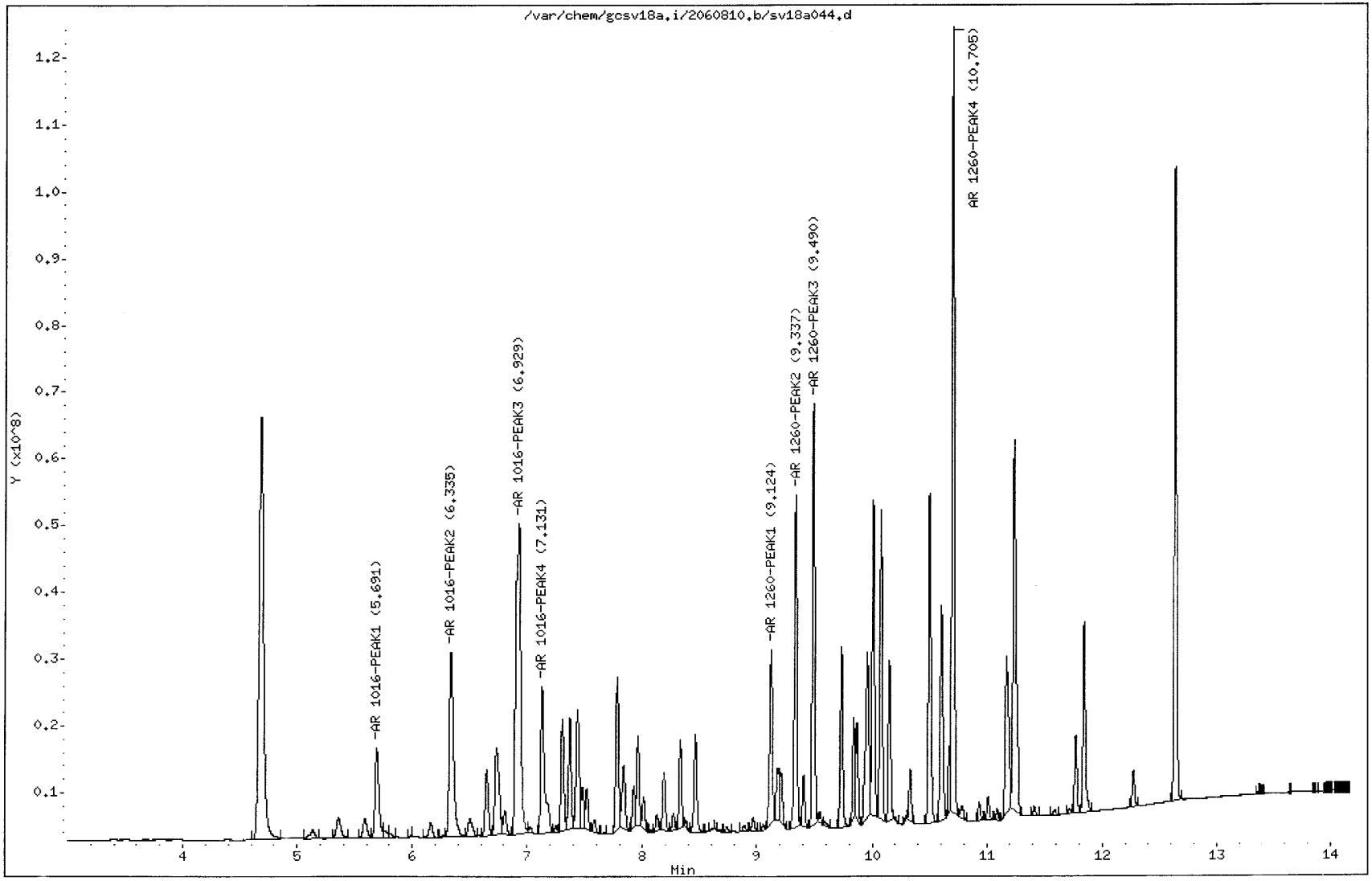
001295

Data File: /var/chem/gcsv18a.i/2060810.b/sv18a044.d
Date : 11-AUG-2006 02:27
Client ID:
Sample Info: 1400X1 65-30-10
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001296



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB397842

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 397842

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1207

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

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329584 | Analytical Batch: 329858 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
11104-28-2	Aroclor-1221	0.000500	U	0.000115	0.000500
11141-16-5	Aroclor-1232	0.000500	U	0.000100	0.000500
53469-21-9	Aroclor-1242	0.000500	U	0.000125	0.000500
12672-29-6	Aroclor-1248	0.000500	U	0.000065	0.000500
11097-69-1	Aroclor-1254	0.000500	U	0.000105	0.000500
12674-11-2	Aroclor-1016	0.000500	U	0.000125	0.000500
11096-82-5	Aroclor-1260	0.000500	U	0.000120	0.000500

001297

167758

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a004.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a004.d
Lab Smp Id: 397842
Inj Date : 07-AUG-2006 12:07
Operator : tls Inst ID: gcsv16a.i
Smp Info : 397842*1 mb w
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

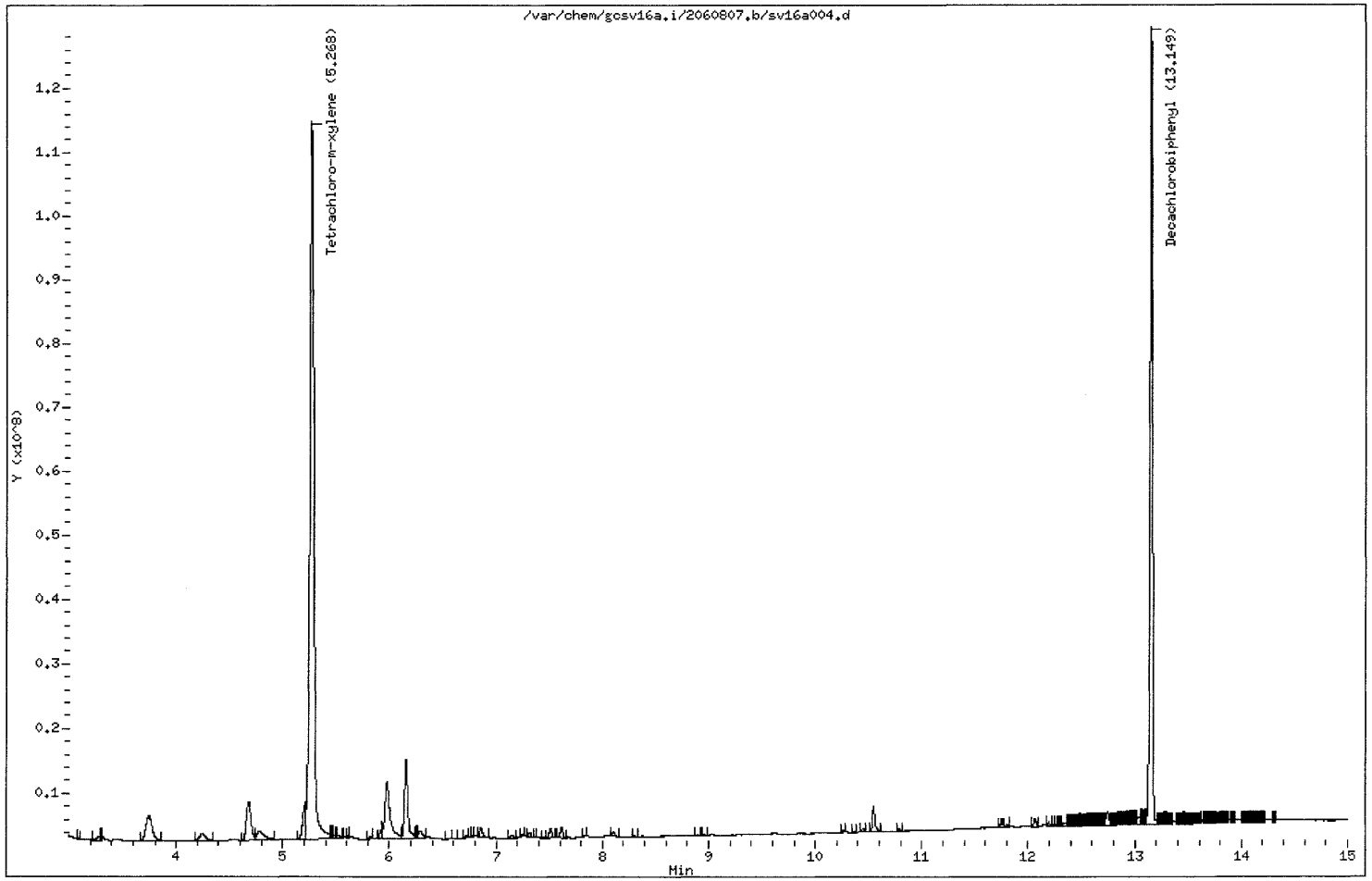
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	5.268	5.262	0.006	299606904	65.5183	0.33
$ 22 Decachlorobiphenyl	13.149	13.156	-0.007	195192225	55.9586	0.28

001298

167759

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a004.d
Date : 07-AUG-2006 12:07
Client ID:
Sample Info: 397842M1 mb w
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB397863

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 397863

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1144

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: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811/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/2060811.b/sv18a004.d
Report Date: 14-Aug-2006 07:42

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a004.d
Lab Smp Id: 397863
Inj Date : 11-AUG-2006 11:44
Operator : tls Inst ID: gcsv18a.i
Smp Info : 397863*1 mb s
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:42 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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	4.703	4.685	0.018	373600532	95.4050	16
$ 22 Decachlorobiphenyl	12.646	12.655	-0.009	271205682	93.4773	16

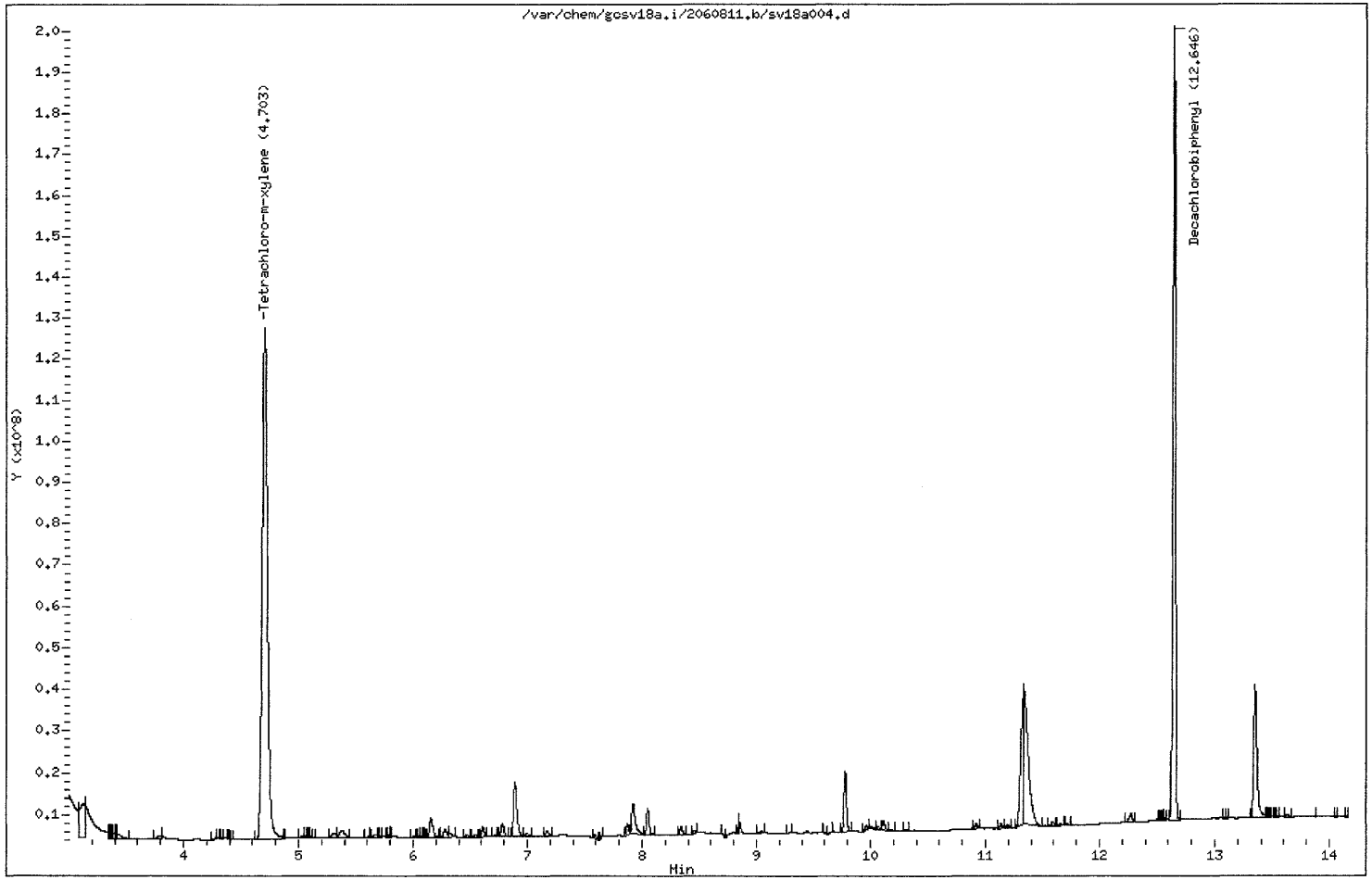
001301

167762

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a004.d
Date : 11-AUG-2006 11:44
Client ID:
Sample Info: 397863*1 mb s
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: LCS397843

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 397843

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1303

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

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329584 | Analytical Batch: 329858 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00152		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00170		0.000120	0.000500

001303

167764

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a007.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a007.d
Lab Smp Id: 397843
Inj Date : 07-AUG-2006 13:03
Operator : tls Inst ID: gcsv16a.i
Smp Info : 397843*1 lcs
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$	1 Tetrachloro-m-xylene	5.257	5.262	-0.005	371220178	81.1788	0.41
$	22 Decachlorobiphenyl	13.143	13.156	-0.013	220672163	63.2633	0.32
M	23 AR 1016-AVG				244097130	303.613	1.5
	24 AR 1016-PEAK1	6.236	6.232	0.004	30168024	329.530	1.6
	25 AR 1016-PEAK2	6.874	6.894	-0.020	61388033	313.949	1.6
	26 AR 1016-PEAK3	7.452	7.456	-0.004	113252972	294.068	1.5(M)
	27 AR 1016-PEAK4	7.652	7.673	-0.021	39288101	298.168	1.5
M	28 AR 1260-AVG				379674531	339.978	1.7
	29 AR 1260-PEAK1	9.621	9.627	-0.006	56759216	407.772	2.0
	30 AR 1260-PEAK2	9.832	9.837	-0.005	78353585	364.325	1.8
	31 AR 1260-PEAK3	9.983	9.988	-0.005	95257614	363.707	1.8
	32 AR 1260-PEAK4	11.184	11.189	-0.005	149304116	298.253	1.5

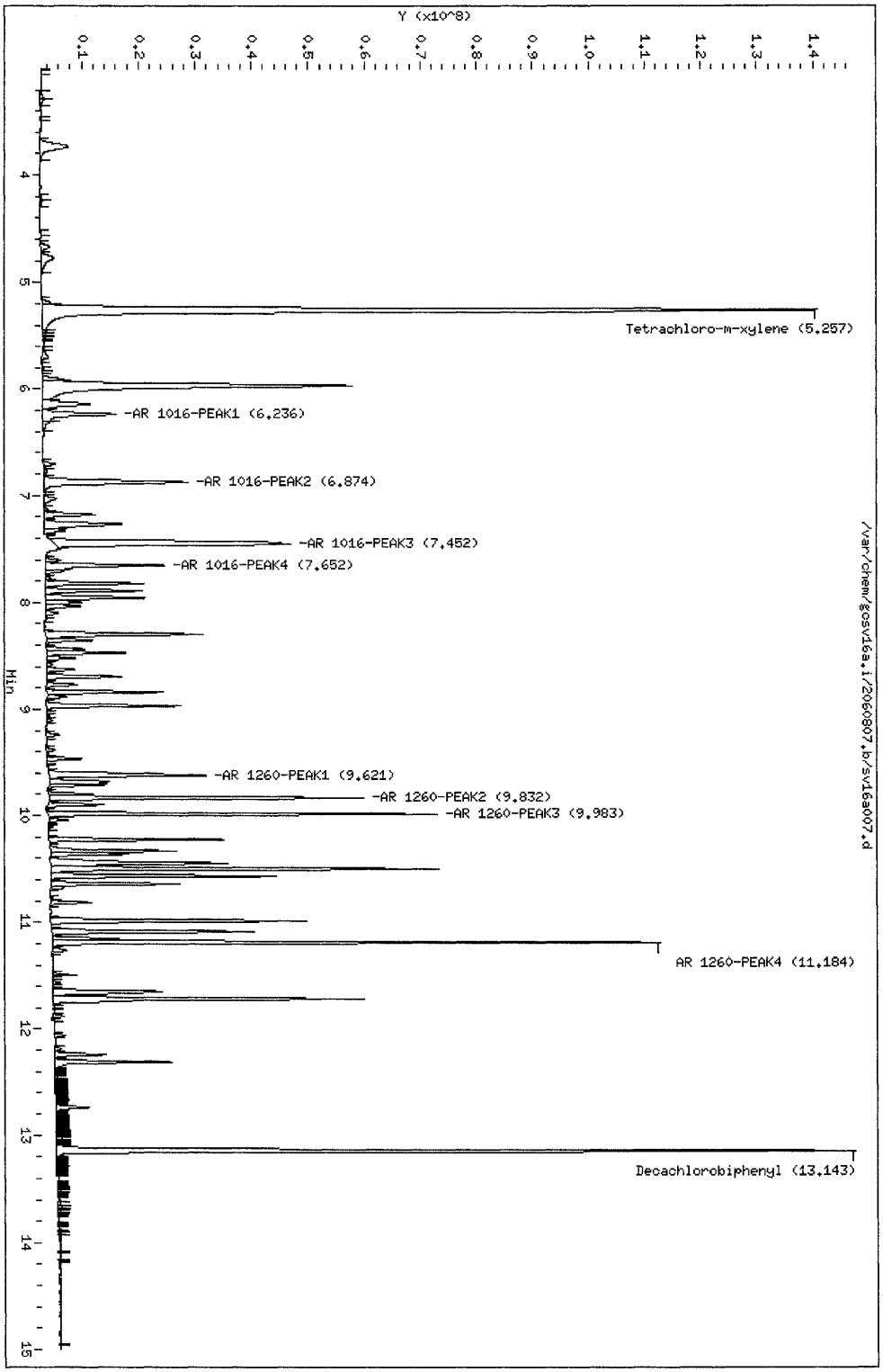
167765

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a007.d
Report Date: 09-Aug-2006 11:52

QC Flag Legend

M - Compound response manually integrated.

167766


Data File: /var/chem/gcsv16a.i/20060807.b/sv16a007.d
Date : 07-AUG-2006 13:03
Client ID:
Sample Info: 397843*1 lcs
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv16a.i/20060807.b/sv16a007.d
Tetrachloro-m-xylene (5.257)
-AR 1016-PEAK1 (6.236)
-AR 1016-PEAK2 (6.874)
-AR 1016-PEAK3 (7.452)
-AR 1016-PEAK4 (7.652)
-AR 1260-PEAK1 (9.621)
-AR 1260-PEAK2 (9.832)
-AR 1260-PEAK3 (9.983)
AR 1260-PEAK4 (11.184)
Decachlorobiphenyl (13.143)

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS397864

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 397864

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1240

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: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811/SV18A007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.051		0.00269	0.020
11096-82-5	Aroclor-1260	0.063		0.00271	0.020

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a007.d
Report Date: 14-Aug-2006 07:42

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a007.d
Lab Smp Id: 397864
Inj Date : 11-AUG-2006 12:40
Operator : tls Inst ID: gcsv18a.i
Smp Info : 397864*1 lcs
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:42 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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	4.685	4.685	0.000	401294794	102.477	17(A)
$	22 Decachlorobiphenyl	12.640	12.655	-0.015	276631323	95.3473	16
M	23 AR 1016-AVG				201848573	304.557	51
	24 AR 1016-PEAK1	5.691	5.689	0.002	24435382	323.956	54
	25 AR 1016-PEAK2	6.335	6.340	-0.005	55487972	334.853	56
	26 AR 1016-PEAK3	6.928	6.952	-0.024	79496580	247.711	41
	27 AR 1016-PEAK4	7.130	7.131	-0.001	42428639	421.337	70
M	28 AR 1260-AVG				342562484	378.714	63
	29 AR 1260-PEAK1	9.120	9.130	-0.010	46243647	426.628	71
	30 AR 1260-PEAK2	9.334	9.344	-0.010	78541441	478.108	80
	31 AR 1260-PEAK3	9.488	9.497	-0.009	85383150	403.410	67
	32 AR 1260-PEAK4	10.703	10.714	-0.011	132394246	315.060	53

001308

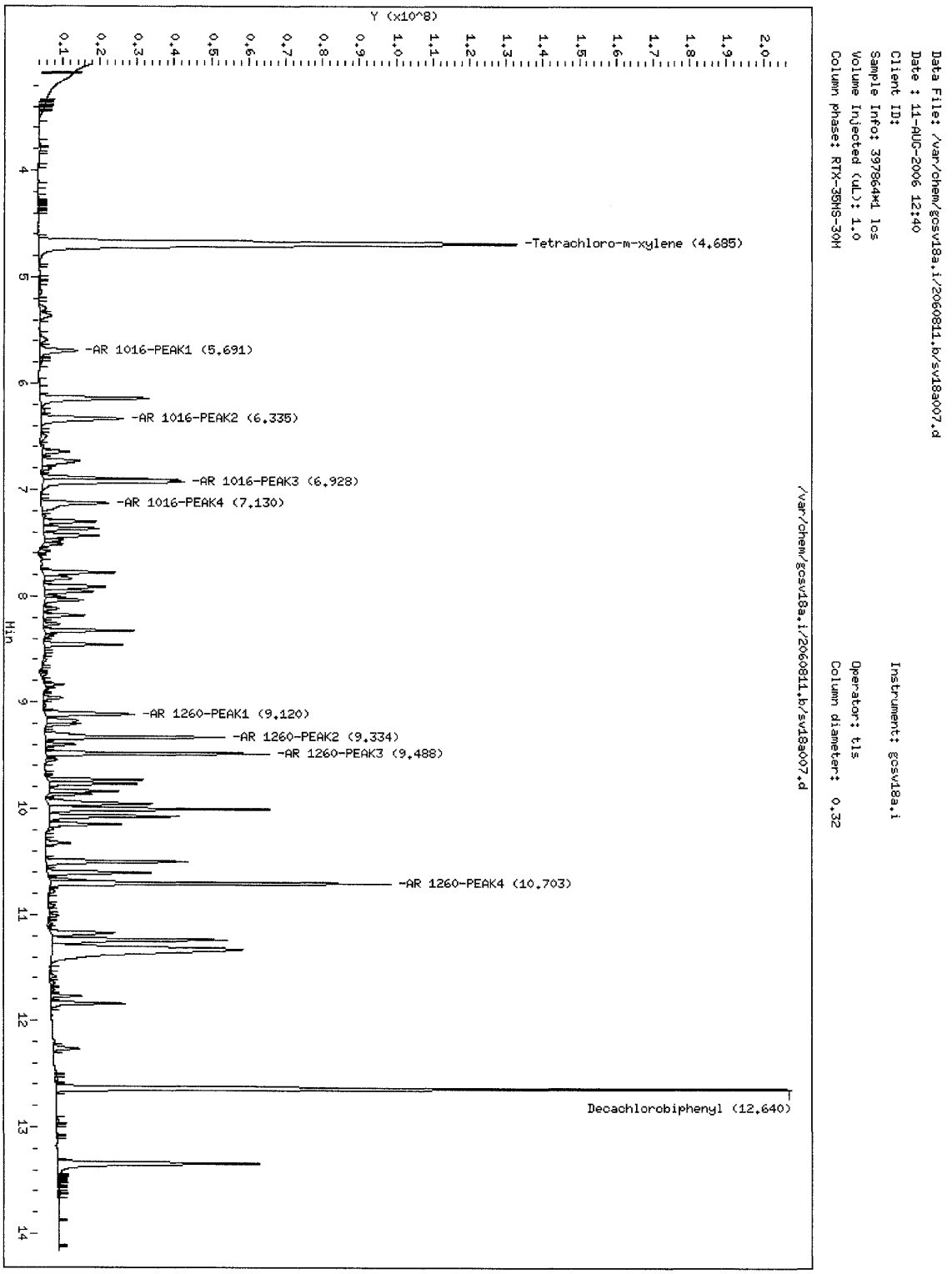
167769

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a007.d
Report Date: 14-Aug-2006 07:42

QC Flag Legend

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

167770



001310

167771

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD397844

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 397844

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1321

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

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329584 | Analytical Batch: 329858 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00154		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00169		0.000120	0.000500

001311

167772

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a008.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a008.d
Lab Smp Id: 397844
Inj Date : 07-AUG-2006 13:21
Operator : tls Inst ID: gcsv16a.i
Smp Info : 397844*1 lcsd
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.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/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

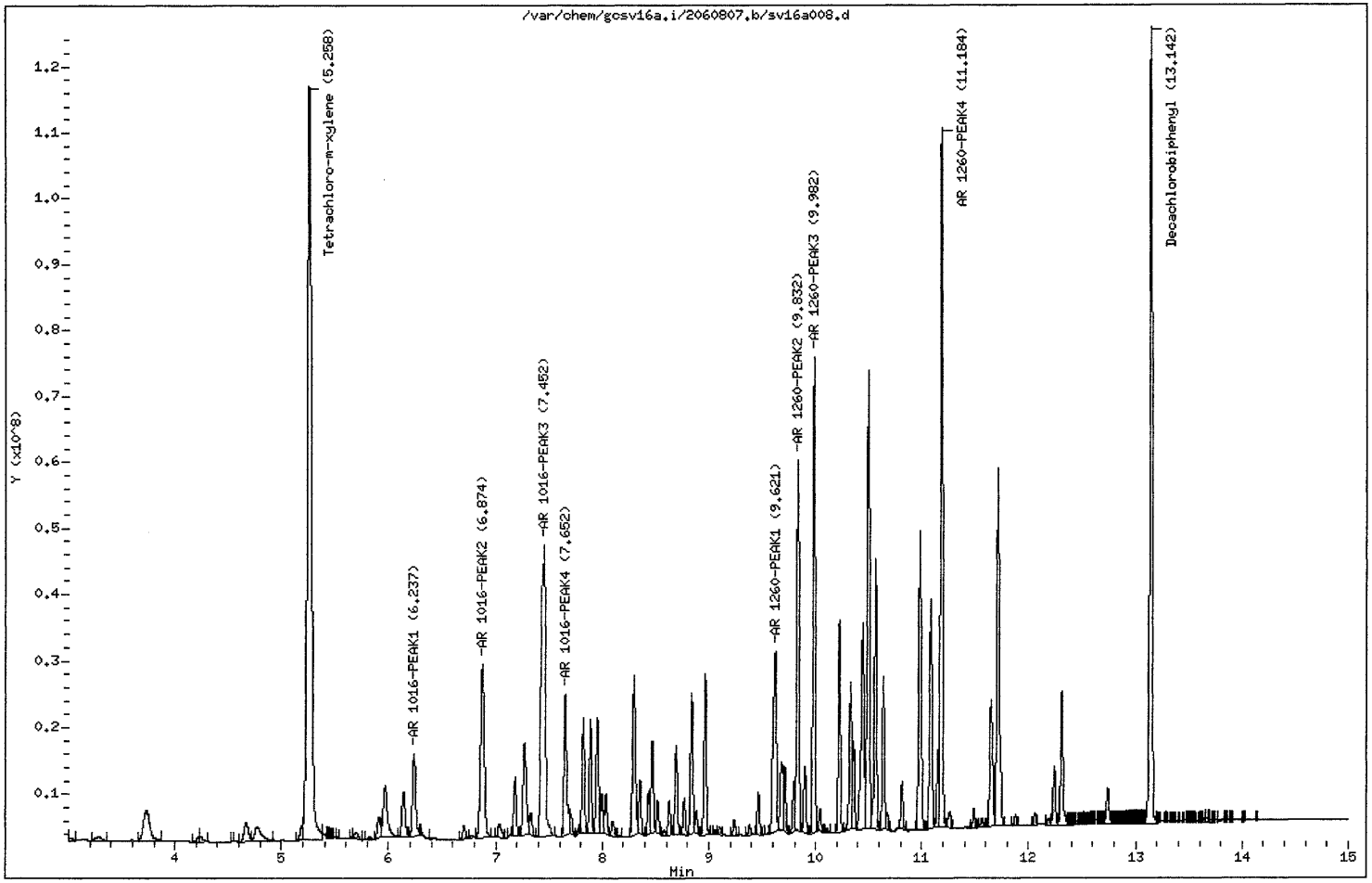
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$	1 Tetrachloro-m-xylene	5.258	5.262	-0.004	297668166	65.0944	0.33
$	22 Decachlorobiphenyl	13.142	13.156	-0.014	186345866	53.4225	0.27
M	23 AR 1016-AVG				247718745	308.118	1.5
	24 AR 1016-PEAK1	6.237	6.232	0.005	25415417	277.616	1.4
	25 AR 1016-PEAK2	6.874	6.894	-0.020	60851837	311.206	1.6
	26 AR 1016-PEAK3	7.452	7.456	-0.004	122686136	318.562	1.6
	27 AR 1016-PEAK4	7.652	7.673	-0.021	38765355	294.201	1.5
M	28 AR 1260-AVG				377952723	338.436	1.7
	29 AR 1260-PEAK1	9.621	9.627	-0.006	56183147	403.633	2.0
	30 AR 1260-PEAK2	9.832	9.837	-0.005	78202851	363.624	1.8
	31 AR 1260-PEAK3	9.982	9.988	-0.006	96971675	370.252	1.9
	32 AR 1260-PEAK4	11.184	11.189	-0.005	146595050	292.842	1.5

167773

001313

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a008.d
Date : 07-AUG-2006 13:21
Client ID:
Sample Info: 397844*1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



167774

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD397865

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

Matrix: Soil | SAS No.: | SDG No.: 206080431

Sample wt/vol: 30 | Units: g | Lab Sample ID: 397865

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

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

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/11/06 | Time: 1259

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: 329587 | Analytical Batch: 330424 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2060811/SV18A008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.049		0.00269	0.020
11096-82-5	Aroclor-1260	0.062		0.00271	0.020

001314

167775

Data File: /var/chem/gcsv18a.i/2060811.b/sv18a008.d
Report Date: 14-Aug-2006 07:42

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2060811.b/sv18a008.d
Lab Smp Id: 397865
Inj Date : 11-AUG-2006 12:59
Operator : tls Inst ID: gcsv18a.i
Smp Info : 397865*1 lcsd
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv18a.i/2060811.b/pest35MS.m
Meth Date : 14-Aug-2006 07:42 tls Quant Type: ESTD
Cal Date : 03-AUG-2006 02:04 Cal File: sv18a030.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

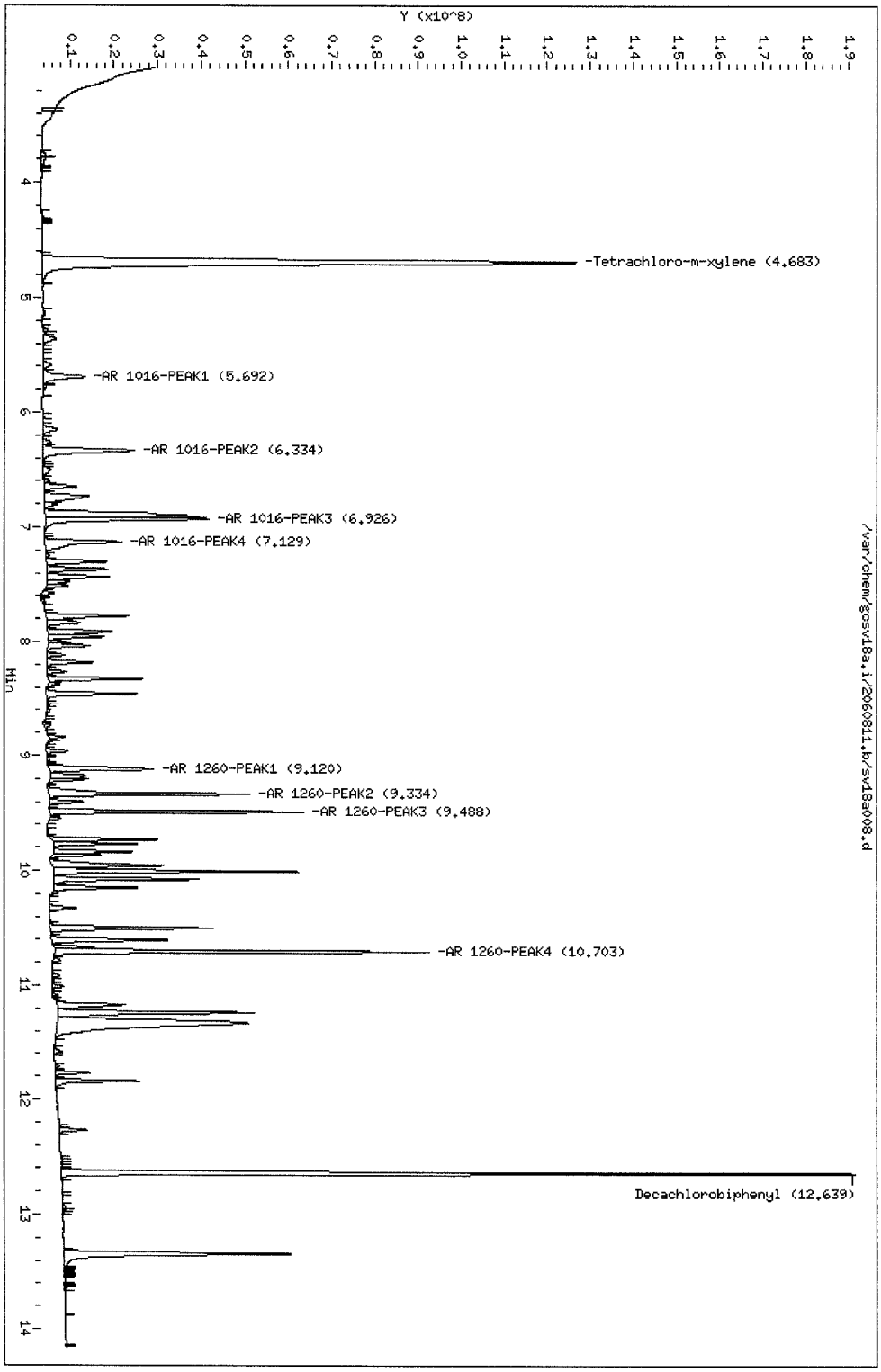
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

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)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.683	4.685	-0.002	378535977	96.6654	16
$	22 Decachlorobiphenyl	12.639	12.655	-0.016	256028461	88.2461	15
M	23 AR 1016-AVG				194906201	294.082	49
	24 AR 1016-PEAK1	5.692	5.689	0.003	26285025	348.478	58
	25 AR 1016-PEAK2	6.334	6.340	-0.006	53602378	323.474	54
	26 AR 1016-PEAK3	6.926	6.952	-0.026	72685873	226.489	38
	27 AR 1016-PEAK4	7.129	7.131	-0.002	42332925	420.386	70
M	28 AR 1260-AVG				333814537	369.043	62
	29 AR 1260-PEAK1	9.120	9.130	-0.010	47272322	436.118	73
	30 AR 1260-PEAK2	9.334	9.344	-0.010	76529943	465.864	78
	31 AR 1260-PEAK3	9.488	9.497	-0.009	82893751	391.648	65
	32 AR 1260-PEAK4	10.703	10.714	-0.011	127118521	302.505	50

167776



Data File: /var/chem/gcsv18a.i/20060811.b/sv18a008.d
Date : 11-AUG-2006 12:59
Client ID:
Sample Info: 397865#1 lcsd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001316

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

Matrix: Water

Sample wt/vol: 1000 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

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

Concentrated Extract Volume: 5000 (µL)

Soil Aliquot Volume: (µL)

Injection Volume: 1 (µL)

GPC Cleanup: (Y/N) N pH:

Prep Batch: 329584 Analytical Batch: 329858

CONCENTRATION UNITS: *mg/L*

Sample ID: FWPSW01-001 MS

Contract:

SAS No.: SDG No.: 206080431

Lab Sample ID: 20608042802

Date Collected: 08/02/06 Time: 0845

Date Received: 08/04/06

Date Extracted: 08/05/06

Date Analyzed: 08/07/06 Time: 1436

Dilution Factor: 1 Analyst: TLS

Prep Method: 3510C

Analytical Method: SW-846 8082

Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

Lab File ID: 2060807/SV16A012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00135		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00140		0.000120	0.000500

001317

167778

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a012.d
Report Date: 09-Aug-2006 12:24

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a012.d
Lab Smp Id: 20608042802
Inj Date : 07-AUG-2006 14:36
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608042802*1ms
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$	1 Tetrachloro-m-xylene	5.258	5.262	-0.004	325690915	71.2224	0.36
$	22 Decachlorobiphenyl	13.143	13.156	-0.013	230465511	66.0709	0.33
M	23 AR 1016-AVG				216293002	269.030	1.3
	24 AR 1016-PEAK1	6.236	6.231	0.005	24022611	262.402	1.3
	25 AR 1016-PEAK2	6.873	6.893	-0.020	51694663	264.375	1.3
	26 AR 1016-PEAK3	7.453	7.456	-0.003	94233958	244.684	1.2(M)
	27 AR 1016-PEAK4	7.653	7.672	-0.019	46341770	351.701	1.8
M	28 AR 1260-AVG				312165782	279.528	1.4
	29 AR 1260-PEAK1	9.621	9.626	-0.005	50342467	361.673	1.8
	30 AR 1260-PEAK2	9.832	9.836	-0.004	63922960	297.226	1.5
	31 AR 1260-PEAK3	9.983	9.987	-0.004	78402776	299.353	1.5
	32 AR 1260-PEAK4	11.184	11.188	-0.004	119497579	238.711	1.2

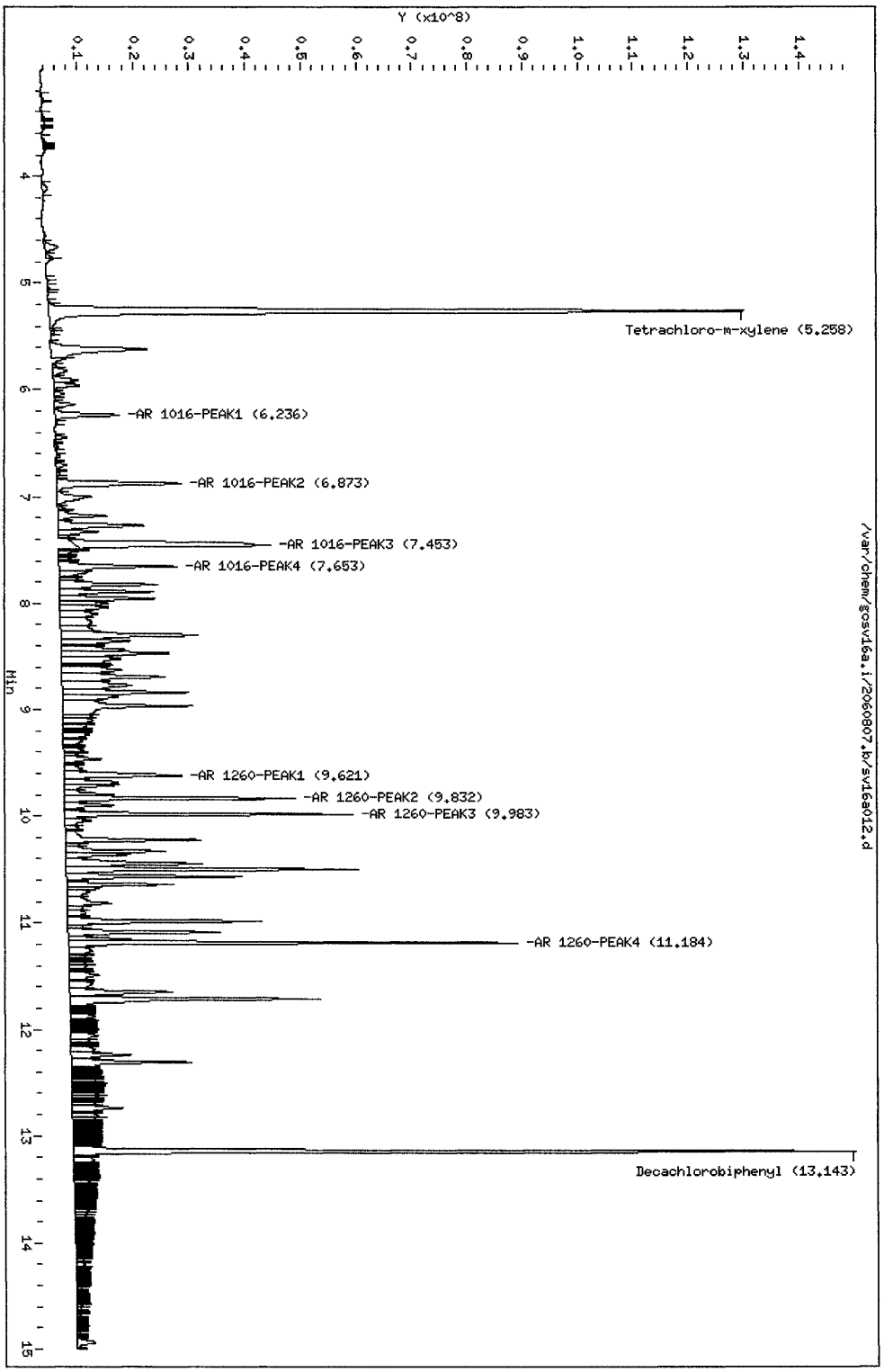
167779

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a012.d
Report Date: 09-Aug-2006 12:24

QC Flag Legend

M - Compound response manually integrated.

167780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0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Min
4
5
6
7
8
9
10
11
12
13
14
15
Tetrachloro-m-xylene (5.258)
-AR 1016-PEAK1 (6.236)
-AR 1016-PEAK2 (6.873)
-AR 1016-PEAK3 (7.453)
-AR 1016-PEAK4 (7.653)
-AR 1260-PEAK1 (9.621)
-AR 1260-PEAK2 (9.832)
-AR 1260-PEAK3 (9.983)
-AR 1260-PEAK4 (11.184)
Decachlorobiphenyl (13.143)
/var/chem/gcsv16a.i/20060807.b/sv16a012.d
Data File: /var/chem/gcsv16a.i/20060807.b/sv16a012.d
Date : 07-AUG-2006 14:36
Client ID:
Sample Info: 20060842802mlms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32

001320

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: FWPSE01-001-(0-0.5) MS

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206080431

Sample wt/vol: 30.3 Units: g
Lab Sample ID: 20608043102

Level: (low/med) LOW
Date Collected: 08/02/06 Time: 1350

% Moisture: 42.0 decanted: (Y/N)
Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 08/11/06 Time: 1928

Soil Aliquot Volume: (µL)
Dilution Factor: 50 Analyst: TLS

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

GPC Cleanup: (Y/N) N pH:
Analytical Method: SW-846 8082

Prep Batch: 329587 Analytical Batch: 330424
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2060811B/SV16A010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.26	J	0.229	1.71
11096-82-5	Aroclor-1260	0.741	J	0.231	1.71

001321

167782

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a010.d
Report Date: 14-Aug-2006 13:55

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a010.d
Lab Smp Id: 20608043102
Inj Date : 11-AUG-2006 19:28
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043102*50ms
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 10 QC Sample: MS
Dil Factor: 50.00000
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	50.00000	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

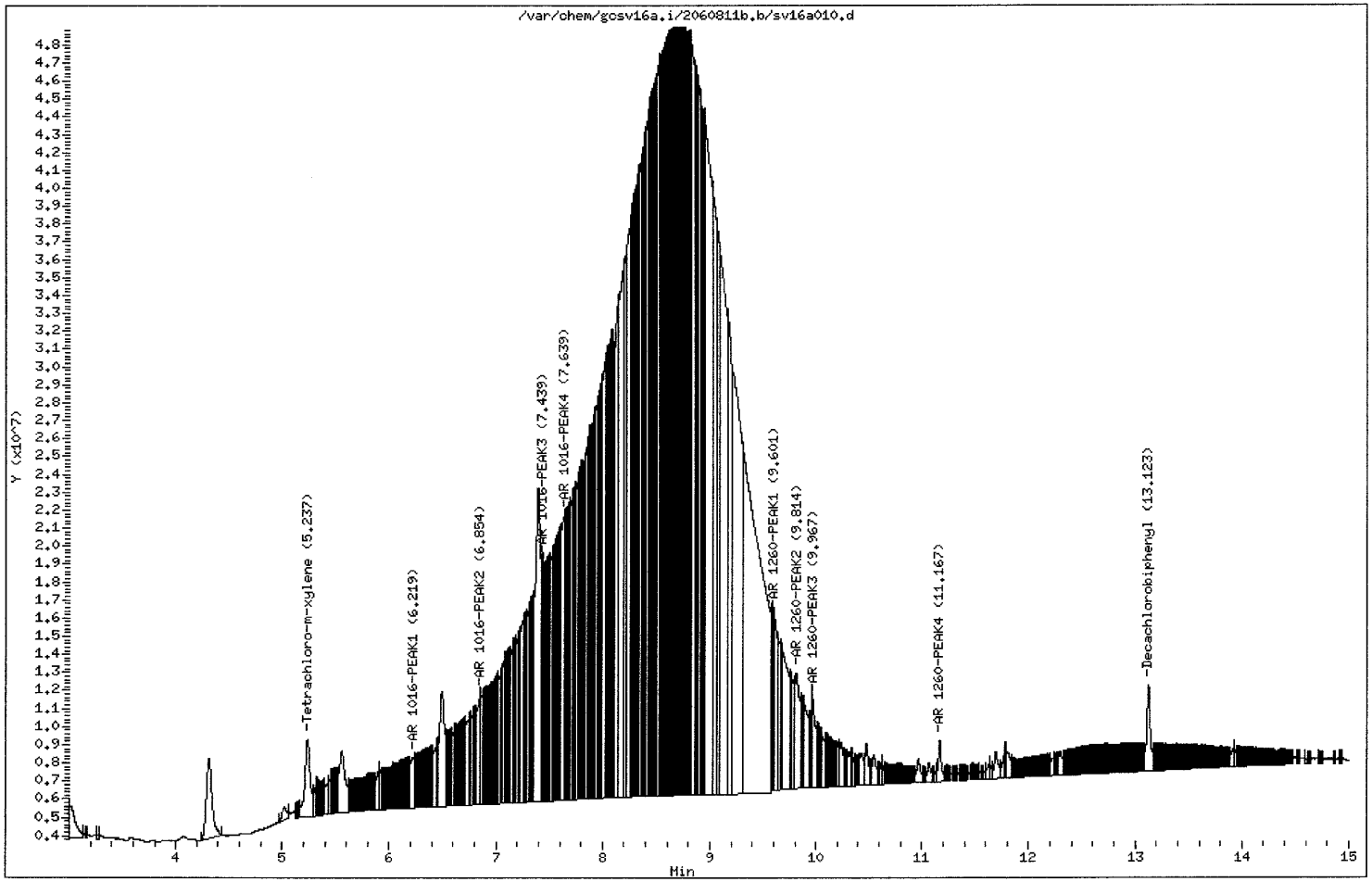
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	5.237	5.259	-0.022	14968273	3.27328	27
$	22 Decachlorobiphenyl	13.123	13.123	0.000	11262156	3.22869	27
M	23 AR 1016-AVG				71299326	88.6837	740
	24 AR 1016-PEAK1	6.219	6.231	-0.012	8103337	88.5139	740
	25 AR 1016-PEAK2	6.854	6.858	-0.004	16265663	83.1853	690
	26 AR 1016-PEAK3	7.439	7.454	-0.015	16991149	44.1186	370
	27 AR 1016-PEAK4	7.639	7.637	0.002	29939177	227.217	1900
M	28 AR 1260-AVG				57667625	51.6383	430
	29 AR 1260-PEAK1	9.601	9.625	-0.024	22343719	160.523	1300
	30 AR 1260-PEAK2	9.814	9.835	-0.021	19907662	92.5656	770
	31 AR 1260-PEAK3	9.967	9.985	-0.018	10979350	41.9207	350
	32 AR 1260-PEAK4	11.167	11.189	-0.022	4436894	8.86324	74

001322

167783

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a010.d
Date : 11-AUG-2006 19:28
Client ID:
Sample Info: 20608043102x50ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSW01-001 MSD

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 20608042803

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 0845

% Moisture: | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1455

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

Injection Volume: 1 (µL) | Prep Method: 3510C

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 329584 | Analytical Batch: 329858 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: *mg/L* | Lab File ID: 2060807/SV16A013

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.00153		0.000125	0.000500
11096-82-5	Aroclor-1260	0.00151		0.000120	0.000500

FORM I ORG-1

001324

167785

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a013.d
Report Date: 09-Aug-2006 11:52

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060807.b/sv16a013.d
Lab Smp Id: 20608042803
Inj Date : 07-AUG-2006 14:55
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608042803*1ms
Misc Info : GCSV~9804~*
Comment :
Method : /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Meth Date : 09-Aug-2006 11:52 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

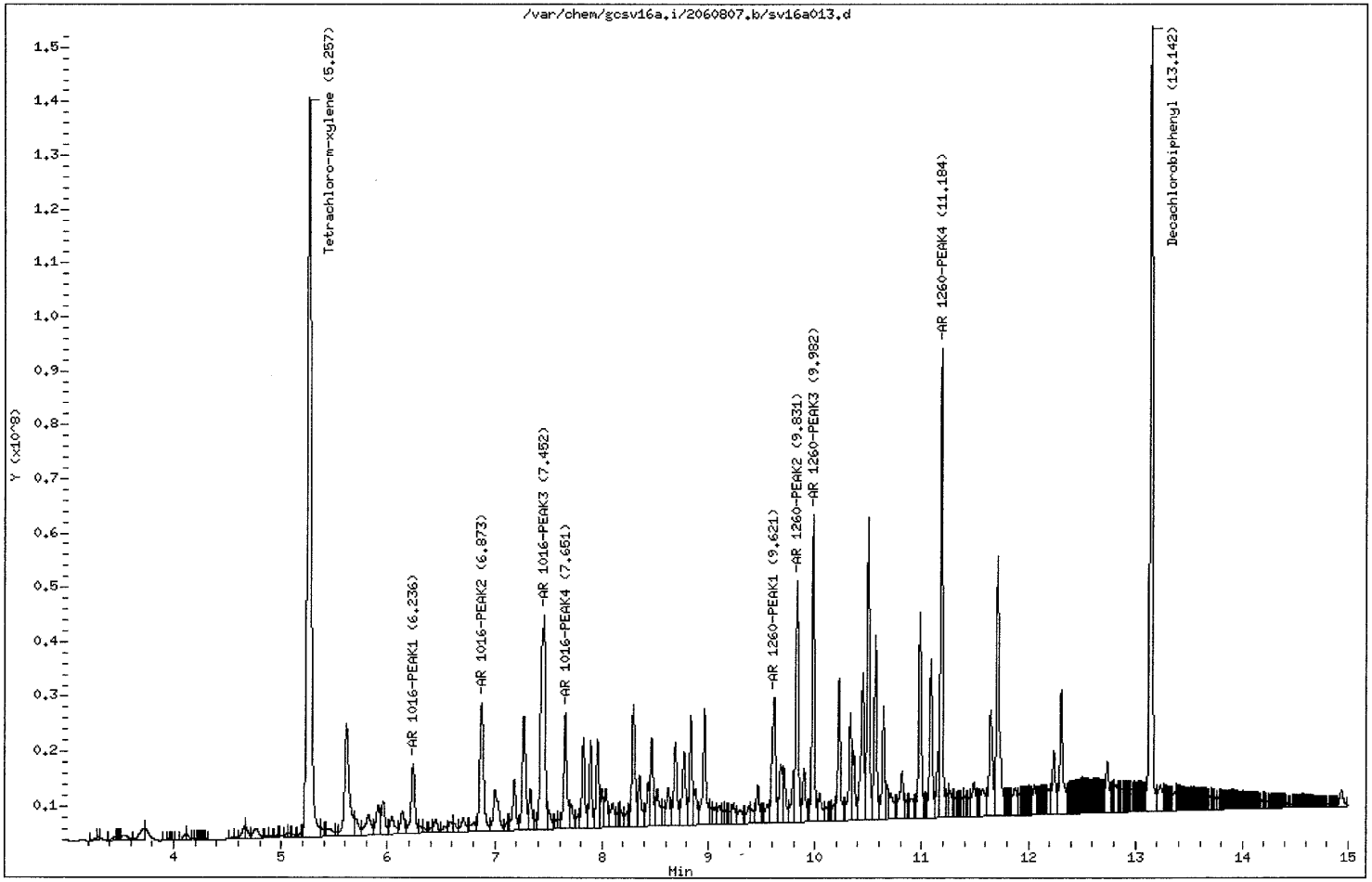
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$	1 Tetrachloro-m-xylene	5.257	5.262	-0.005	352262431	77.0331	0.39
$	22 Decachlorobiphenyl	13.142	13.156	-0.014	241971317	69.3695	0.35
M	23 AR 1016-AVG				245391937	305.224	1.5
	24 AR 1016-PEAK1	6.236	6.232	0.004	30154553	329.382	1.6
	25 AR 1016-PEAK2	6.873	6.894	-0.021	57330449	293.198	1.5
	26 AR 1016-PEAK3	7.452	7.456	-0.004	114184940	296.488	1.5
	27 AR 1016-PEAK4	7.651	7.673	-0.022	43721995	331.818	1.7
M	28 AR 1260-AVG				337858441	302.534	1.5
	29 AR 1260-PEAK1	9.621	9.627	-0.006	54012420	388.038	1.9
	30 AR 1260-PEAK2	9.831	9.837	-0.006	69321064	322.326	1.6
	31 AR 1260-PEAK3	9.982	9.988	-0.006	85299422	325.685	1.6
	32 AR 1260-PEAK4	11.184	11.189	-0.005	129225535	258.144	1.3

001325

167786

Data File: /var/chem/gcsv16a.i/2060807.b/sv16a013.d
Date : 07-AUG-2006 14:55
Client ID:
Instrument: gcsv16a.i
Sample Info: 20608042803*1ms
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 42.0 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: 329587 Analytical Batch: 330424

CONCENTRATION UNITS: *mg/kg*

Sample ID: FWPSE01-001-(0-0.5) MSD
Contract:
SAS No.: SDG No.: 206080431
Lab Sample ID: 20608043103
Date Collected: 08/02/06 Time: 1350
Date Received: 08/04/06
Date Extracted: 08/05/06
Date Analyzed: 08/11/06 Time: 2005
Dilution Factor: 50 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8082
Sulfur Cleanup: (Y/N) N Instrument ID: GCS16A
Lab File ID: 2060811B/SV16A012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.999	J	0.231	1.72
11096-82-5	Aroclor-1260	0.913	J	0.233	1.72

001327

167788

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a012.d
Report Date: 14-Aug-2006 13:55

GCAL, Inc.

Data file : /var/chem/gcsv16a.i/2060811b.b/sv16a012.d
Lab Smp Id: 20608043103
Inj Date : 11-AUG-2006 20:05
Operator : tls Inst ID: gcsv16a.i
Smp Info : 20608043103*50ms
Misc Info : GCSV~9839~*
Comment :
Method : /var/chem/gcsv16a.i/2060811b.b/pest35MS.m
Meth Date : 14-Aug-2006 13:54 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 21:27 Cal File: sv16a018.d
Als bottle: 12 QC Sample: MSD
Dil Factor: 50.00000
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	50.00000	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

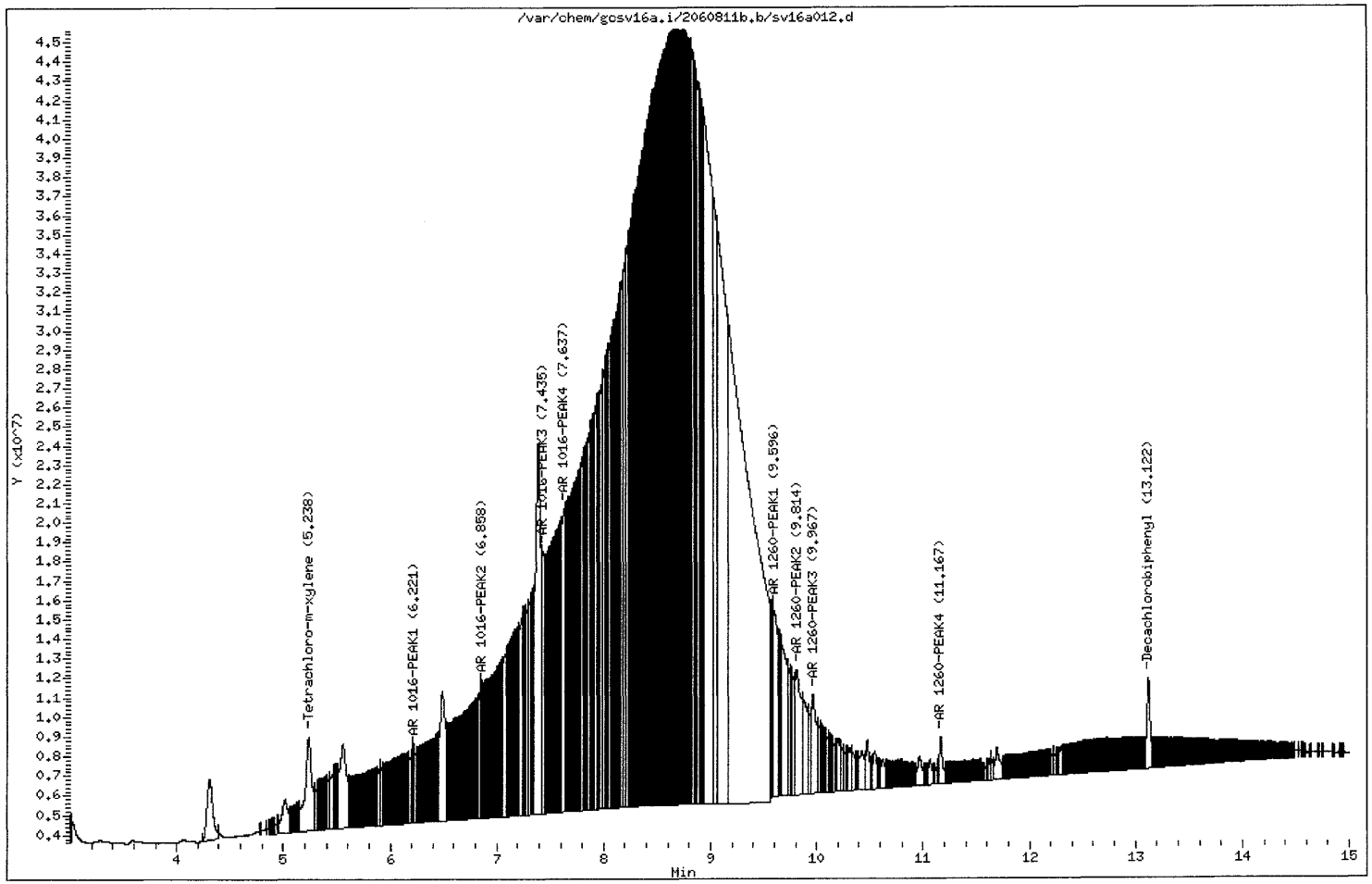
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	5.238	5.259	-0.021	20514816	4.48620	37
$	22 Decachlorobiphenyl	13.122	13.123	-0.001	10536420	3.02063	25
M	23 AR 1016-AVG				56330588	70.0652	570
	24 AR 1016-PEAK1	6.221	6.231	-0.010	5475919	59.8142	490
	25 AR 1016-PEAK2	6.858	6.858	0.000	2318304	11.8562	97
	26 AR 1016-PEAK3	7.435	7.454	-0.019	21196682	55.0385	450
	27 AR 1016-PEAK4	7.637	7.637	0.000	27339683	207.489	1700
M	28 AR 1260-AVG				71502431	64.0266	520
	29 AR 1260-PEAK1	9.596	9.625	-0.029	25331546	181.988	1500
	30 AR 1260-PEAK2	9.814	9.835	-0.021	24174599	112.406	920
	31 AR 1260-PEAK3	9.967	9.985	-0.018	16636188	63.5193	520
	32 AR 1260-PEAK4	11.167	11.189	-0.022	5360098	10.7075	88

167789

Data File: /var/chem/gcsv16a.i/2060811b.b/sv16a012.d
Date : 11-AUG-2006 20:05
Client ID:
Sample Info: 20608043103m50ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv16a.i
Operator: tls
Column diameter: 0.32



PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-5-06 800	BATCH NO:	329584
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 329584 [EXTO/14409]	397842	1000	5.0	7	PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 329584 [EXTO/14409	397843	1000	5.0	7		
3	QC ACCOUNT	LCSD for HBN 329584 [EXTO/1440	397844	1000	5.0	7		SEPARATORY FUNNEL/3510 ✓
4	4482	FWPSW01-001	20608042801	1000	5.0	7		
5	4482	FWPSW01-001 MS	20608042802	1000	5.0	7		GPC CLEANUP/3640
6	4482	FWPSW01-001 MSD	20608042803	1000	5.0	7		
7	4482	SW-600	20608042804	1000	5.0	7		SONICATOR/3550
8	4482	FWPSW02-002	20608042805	1000	5.0	7		
9	4482	FWPSW02-003	20608042806	1000	5.0	7		FLORISIL CLEANUP/3620
10	4482	SPSW01-001	20608042808	1000	5.0	7		
11	4482	SPSW01-002	20608042809	1000	5.0	7		PCB H2So4/3665A CLEANUP
12	4482	SPSW01-003	20608042810	1000	5.0	7		
13	4482	SP-004-FB	20608042811	1000	5.0	7		WASTE DILUTION/3580
14	4482	FWPSE-006-EB	20608043109	1000	5.0	7		
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								
21				SKB 08/07/06				ACETONE LOT NO:
22								
23								MECL2 Lot No: C206G3
24								
25								HEXANE Lot No: C22E22
26								
27								Sodium Sulfate Lot No: C10592
28								

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

PCB

SURROGATE ID	10-29-6	8081 SPIKE ID		~~8270~~ SPIKE ID	10-23-10	TECHNICIAN	DATE
VOLUME	1.0ml	VOLUME		VOLUME	0.5mL	Shontae Joseph	8-5-06
CONCENTRATION	0.5ug/ml	CONCENTRATION		CONCENTRATION	4.0ug/ml		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	DWB					John Bailey	08/07/06

001330

167791

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-5-06 11:00	BATCH NO:	329587
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 329587 [EXTO/14412]	397863	30.0	5.0		PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 329587 [EXTO/14412	397864	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 329587 [EXTO/1441	397865	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	FWPSE01-001-(0-0.5)	20608043101	30.2	5.0			
5	4482	FWPSE01-001-(0-0.5) MS	20608043102	30.3	5.0			GPC CLEANUP/3640
6	4482	FWPSE01-001-(0-0.5) MSD	20608043103	30.1	5.0			
7	4482	SE-501-(0-0.5)	20608043104	30.0	5.0			SONICATOR/3550
8	4482	FWPSE04-004-(0-0.5)	20608043105	30.5	5.0			✓
9	4482	FWPSE02-002-(0-0.5)	20608043106	30.5	5.0			FLORISIL CLEANUP/3620
10	4482	FWPSE03-003-(0-0.5)	20608043107	30.0	5.0			
11	4482	FWPSE05-005-(0-0.5)	20608043108	30.0	5.0			PCB H2So4/3665A CLEANUP
12								
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20				SKB 08/07/06				C06E11
21								ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								
25								HEXANE Lot No:
26								C22E20
27								Sodium Sulfate Lot No:
28								C15599

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

PCB

SURROGATE ID	10-29-6	~~8081~~ SPIKE ID	10-23-10	608 SPIKE ID		TECHNICIAN	DATE
VOLUME	1.0 ml	VOLUME	0.5mL	VOLUME		Electronic Workflow	8-5-06
CONCENTRATION	0.5ug/ml	CONCENTRATION	4.00g/ml	CONCENTRATION			
ACID						SUPERVISOR	DATE
SPIKE WITNESS	K.J					John Bailey	08/07/06

001331

167792

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/02/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060731.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060731.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
deg		sv16a001.d	31-JUL-2006 16:10	1.000	tls	deg
1206		sv16a002.d	31-JUL-2006 16:28	1.000	tls	8081
1201		sv16a003.d	31-JUL-2006 16:47	1.000	tls	8081
1202		sv16a004.d	31-JUL-2006 17:05	1.000	tls	8081
1203		sv16a005.d	31-JUL-2006 17:24	1.000	tls	8081
1204		sv16a006.d	31-JUL-2006 17:43	1.000	tls	8081
1205		sv16a007.d	31-JUL-2006 18:02	1.000	tls	8081
1600		sv16a008.d	31-JUL-2006 18:20	1.000	tls	8081
1205		sv16a009.d	31-JUL-2006 18:39	1.000	tls	chlor
1201		sv16a010.d	31-JUL-2006 18:58	1.000	tls	tox
1205		sv16a011.d	31-JUL-2006 19:16	1.000	tls	tox
1203		sv16a012.d	31-JUL-2006 19:35	1.000	tls	aro1221
1203		sv16a013.d	31-JUL-2006 19:54	1.000	tls	aro1232
1203		sv16a014.d	31-JUL-2006 20:12	1.000	tls	aro1242
1203		sv16a015.d	31-JUL-2006 20:31	1.000	tls	aro1248
1203		sv16a016.d	31-JUL-2006 20:49	1.000	tls	aro1254
1206		sv16a017.d	31-JUL-2006 21:08	1.000	tls	aro1260
1201		sv16a018.d	31-JUL-2006 21:27	1.000	tls	aro1260
1202		sv16a019.d	31-JUL-2006 21:45	1.000	tls	aro1260
1203		sv16a020.d	31-JUL-2006 22:04	1.000	tls	aro1260
1204		sv16a021.d	31-JUL-2006 22:23	1.000	tls	aro1260
1205		sv16a022.d	31-JUL-2006 22:41	1.000	tls	aro1260
1600		sv16a023.d	31-JUL-2006 23:00	1.000	tls	aro1260
deg		sv16a024.d	31-JUL-2006 23:19	1.000	tls	deg
390170		sv16a025.d	31-JUL-2006 23:37	1.000	tls	pcb
390171		sv16a026.d	31-JUL-2006 23:56	1.000	tls	ar1260s
390172		sv16a027.d	01-AUG-2006 00:15	1.000	tls	ar1260s
1400		sv16a028.d	01-AUG-2006 00:33	1.000	tls	aro1260
1400		sv16a029.d	01-AUG-2006 00:52	1.000	tls	aro1260

REVISED 6-1-95 Supervisor Review: QA Review:

167793

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/09/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060807.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv16a001.d	1000.00 ml	07-AUG-2006 10:09	1.000	tls	1	deg
1400		sv16a002.d	1000.00 ml	07-AUG-2006 10:27	1.000	tls	2	8081
1400		sv16a003.d	1000.00 ml	07-AUG-2006 10:46	1.000	tls	3	aro1260
397839		sv16a004.d	1000.00 ml	07-AUG-2006 12:07	1.000	tls	4	all
397840		sv16a005.d	1000.00 ml	07-AUG-2006 12:25	1.000	tls	5	8081
397841		sv16a006.d	1000.00 ml	07-AUG-2006 12:44	1.000	tls	6	8081
397843		sv16a007.d	1000.00 ml	07-AUG-2006 13:03	1.000	tls	7	ar1260s
397844		sv16a008.d	1000.00 ml	07-AUG-2006 13:21	1.000	tls	8	ar1260s
20608042801		sv16a009.d	1000.00 ml	07-AUG-2006 13:40	1.000	tls	9	all
20608042802		sv16a010.d	1000.00 ml	07-AUG-2006 13:59	1.000	tls	10	8081
20608042803		sv16a011.d	1000.00 ml	07-AUG-2006 14:17	1.000	tls	11	8081
2060842802		sv16a012.d	1000.00 ml	07-AUG-2006 14:36	1.000	tls	12	ar1260s
20608042803		sv16a013.d	1000.00 ml	07-AUG-2006 14:55	1.000	tls	13	ar1260s
1400		sv16a014.d	1000.00 ml	07-AUG-2006 15:13	1.000	tls	14	8081
1400		sv16a015.d	1000.00 ml	07-AUG-2006 16:01	1.000	tls	15	8081
1400		sv16a016.d	1000.00 ml	07-AUG-2006 16:19	1.000	tls	16	aro1260
20608042804		sv16a017.d	1000.00 ml	07-AUG-2006 16:38	1.000	tls	17	all
20608042805		sv16a018.d	1000.00 ml	07-AUG-2006 16:56	1.000	tls	18	all
20608042806		sv16a019.d	1000.00 ml	07-AUG-2006 17:15	1.000	tls	19	all
20608042808		sv16a020.d	1000.00 ml	07-AUG-2006 17:34	1.000	tls	20	all
20608042809		sv16a021.d	1000.00 ml	07-AUG-2006 17:52	1.000	tls	21	all
20608042810		sv16a022.d	1000.00 ml	07-AUG-2006 18:11	1.000	tls	22	all
20608042811		sv16a023.d	1000.00 ml	07-AUG-2006 18:30	1.000	tls	23	all
20608043109		sv16a024.d	1000.00 ml	07-AUG-2006 18:48	1.000	tls	24	all
1400		sv16a025.d	1000.00 ml	07-AUG-2006 19:07	1.000	tls	25	8081
1400		sv16a026.d	1000.00 ml	07-AUG-2006 19:26	1.000	tls	26	8081
1400		sv16a027.d	1000.00 ml	07-AUG-2006 19:44	1.000	tls	27	aro1260
deg		sv16a028.d	1000.00 ml	07-AUG-2006 20:03	1.000	tls	28	deg
397801		sv16a029.d	1000.00 ml	07-AUG-2006 20:22	1.000	tls	29	all
397802		sv16a030.d	1000.00 ml	07-AUG-2006 20:40	1.000	tls	30	8081
397803		sv16a031.d	1000.00 ml	07-AUG-2006 20:59	1.000	tls	31	8081
397805		sv16a032.d	1000.00 ml	07-AUG-2006 21:18	1.000	tls	32	ar1260s
397806		sv16a033.d	1000.00 ml	07-AUG-2006 21:36	1.000	tls	33	ar1260s
20608042401		sv16a034.d	1000.00 ml	07-AUG-2006 21:55	1.000	tls	34	all
20608042402		sv16a035.d	1000.00 ml	07-AUG-2006 22:14	1.000	tls	35	all
20608042404		sv16a036.d	1000.00 ml	07-AUG-2006 22:33	1.000	tls	36	all

167794

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/09/2006
Instrument: gcsv16a.i
Method File: /var/chem/gcsv16a.i/2060807.b/pest35MS.m
Batch: /var/chem/gcsv16a.i/2060807.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20608042405		sv16a037.d	1000.00 ml	07-AUG-2006 22:51	1.000	tls	37	8081
20608042406		sv16a038.d	1000.00 ml	07-AUG-2006 23:10	1.000	tls	38	8081
1400		sv16a039.d	1000.00 ml	07-AUG-2006 23:29	1.000	tls	39	8081
1400		sv16a040.d	1000.00 ml	07-AUG-2006 23:47	1.000	tls	40	8081
1400		sv16a041.d	1000.00 ml	08-AUG-2006 00:06	1.000	tls	41	aro1260
20608042405		sv16a042.d	1000.00 ml	08-AUG-2006 00:24	1.000	tls	42	ar1260s
20608042406		sv16a043.d	1000.00 ml	08-AUG-2006 00:43	1.000	tls	43	ar1260s
20608042407		sv16a044.d	1000.00 ml	08-AUG-2006 01:02	1.000	tls	44	all
20608042408		sv16a045.d	1000.00 ml	08-AUG-2006 01:20	1.000	tls	45	all
20608042409		sv16a046.d	1000.00 ml	08-AUG-2006 01:39	1.000	tls	46	all
20608042410		sv16a047.d	1000.00 ml	08-AUG-2006 01:58	1.000	tls	47	all
20608042411		sv16a048.d	1000.00 ml	08-AUG-2006 02:16	1.000	tls	48	all
20608042412		sv16a049.d	1000.00 ml	08-AUG-2006 02:35	1.000	tls	49	all
20608042413		sv16a050.d	1000.00 ml	08-AUG-2006 02:54	1.000	tls	50	all
20608042414		sv16a051.d	1000.00 ml	08-AUG-2006 03:12	1.000	tls	51	all
1400		sv16a052.d	1000.00 ml	08-AUG-2006 03:31	1.000	tls	52	8081
1400		sv16a053.d	1000.00 ml	08-AUG-2006 03:50	1.000	tls	53	8081
1400		sv16a054.d	1000.00 ml	08-AUG-2006 04:08	1.000	tls	54	aro1260
20608042416		sv16a055.d	1000.00 ml	08-AUG-2006 04:27	1.000	tls	55	all
20608042421		sv16a056.d	1000.00 ml	08-AUG-2006 04:46	1.000	tls	56	all
20608042423		sv16a057.d	1000.00 ml	08-AUG-2006 05:04	1.000	tls	57	all
1400		sv16a058.d	1000.00 ml	08-AUG-2006 05:23	1.000	tls	58	8081
1400		sv16a059.d	1000.00 ml	08-AUG-2006 05:42	1.000	tls	59	8081
1400		sv16a060.d	1000.00 ml	08-AUG-2006 06:00	1.000	tls	60	aro1260

167795

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/04/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2060802b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
deg		sv18a009.d	02-AUG-2006 19:31	1.000	tls	deg
1206		sv18a010.d	02-AUG-2006 19:50	1.000	tls	8081
1201		sv18a011.d	02-AUG-2006 20:09	1.000	tls	8081
1202		sv18a012.d	02-AUG-2006 20:28	1.000	tls	8081
1203		sv18a013.d	02-AUG-2006 20:47	1.000	tls	8081
1204		sv18a014.d	02-AUG-2006 21:06	1.000	tls	8081
1205		sv18a015.d	02-AUG-2006 21:24	1.000	tls	8081
1600		sv18a016.d	02-AUG-2006 21:43	1.000	tls	8081
1205		sv18a017.d	02-AUG-2006 22:02	1.000	tls	chlor
1201		sv18a018.d	02-AUG-2006 22:20	1.000	tls	tox
1205		sv18a019.d	02-AUG-2006 22:39	1.000	tls	tox
1203		sv18a020.d	02-AUG-2006 22:58	1.000	tls	aro1221
1203		sv18a021.d	02-AUG-2006 23:17	1.000	tls	aro1232
1203		sv18a022.d	02-AUG-2006 23:35	1.000	tls	aro1242
1203		sv18a023.d	02-AUG-2006 23:54	1.000	tls	aro1248
1203		sv18a024.d	03-AUG-2006 00:13	1.000	tls	aro1254
1206		sv18a025.d	03-AUG-2006 00:31	1.000	tls	aro1260
1201		sv18a026.d	03-AUG-2006 00:49	1.000	tls	aro1260
1202		sv18a027.d	03-AUG-2006 01:08	1.000	tls	aro1260
1203		sv18a028.d	03-AUG-2006 01:27	1.000	tls	aro1260
1204		sv18a029.d	03-AUG-2006 01:45	1.000	tls	aro1260
1205		sv18a030.d	03-AUG-2006 02:04	1.000	tls	aro1260
1600		sv18a031.d	03-AUG-2006 02:23	1.000	tls	aro1260
deg		sv18a032.d	03-AUG-2006 02:41	1.000	tls	deg
20607201907		sv18a033.d	03-AUG-2006 03:00	10.000	tls	all
20607201908		sv18a034.d	03-AUG-2006 03:19	10.000	tls	all
20607201225		sv18a035.d	03-AUG-2006 03:37	10.000	tls	all
20607201909		sv18a036.d	03-AUG-2006 03:56	1.000	tls	all
20607201911		sv18a037.d	03-AUG-2006 04:15	1.000	tls	all
20607201912		sv18a038.d	03-AUG-2006 04:33	1.000	tls	all
20607201913		sv18a039.d	03-AUG-2006 04:52	1.000	tls	all
20607201914		sv18a040.d	03-AUG-2006 05:11	1.000	tls	all
20607201915		sv18a041.d	03-AUG-2006 05:29	1.000	tls	all
20607201222		sv18a042.d	03-AUG-2006 05:48	1.000	tls	ar1260s
1400		sv18a043.d	03-AUG-2006 06:07	1.000	tls	8081
1400		sv18a044.d	03-AUG-2006 06:25	1.000	tls	8081

REVISED 6-1-95 Supervisor Review: QA Review:

001335

167796

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/04/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2060802b.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2060802b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
1400		sv18a045.d	03-AUG-2006 06:44	1.000	tls	aro1260
20607201223		sv18a046.d	03-AUG-2006 07:03	1.000	tls	ar1260s
1400		sv18a047.d	03-AUG-2006 07:21	1.000	tls	8081
1400		sv18a048.d	03-AUG-2006 07:40	1.000	tls	8081
1400		sv18a049.d	03-AUG-2006 07:59	1.000	tls	aro1260
deg		sv18a050.d	03-AUG-2006 10:10	1.000	tls	deg
1400		sv18a051.d	03-AUG-2006 10:28	1.000	tls	8081
1400		sv18a052.d	03-AUG-2006 10:47	1.000	tls	aro1260
1400		sv18a054.d	03-AUG-2006 12:39	1.000	hjl	8081
1400		sv18a055.d	03-AUG-2006 12:58	1.000	hjl	aro1260
20607201222		sv18a056.d	03-AUG-2006 14:12	1.000	hjl	ar1260s
20607201907		sv18a057.d	03-AUG-2006 14:30	20.000	hjl	all
20607201908		sv18a058.d	03-AUG-2006 14:49	50.000	hjl	all
20607201909		sv18a059.d	03-AUG-2006 15:07	10.000	hjl	all
20607201912		sv18a060.d	03-AUG-2006 15:26	5.000	hjl	all
1400		sv18a061.d	03-AUG-2006 15:45	1.000	tls	8081
1400		sv18a062.d	03-AUG-2006 16:06	1.000	hjl	8081
1400		sv18a063.d	03-AUG-2006 16:24	1.000	hjl	aro1260

REVISED 6-1-95 Supervisor Review: QA Review:

001336

167797

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 08/28/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2060810.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2060810.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	10-AUG-2006 11:17	1.000	tls	1	deg
1400		sv18a002.d	1000.00 ml	10-AUG-2006 11:36	1.000	tls	2	8081
1400		sv18a003.d	1000.00 ml	10-AUG-2006 11:55	1.000	tls	3	aro1260
397860		sv18a004.d	30.00 g	10-AUG-2006 12:38	1.000	tls	4	all
397861		sv18a005.d	30.00 g	10-AUG-2006 12:57	1.000	tls	5	8081
397862		sv18a006.d	30.00 g	10-AUG-2006 13:16	1.000	tls	6	8081
397864		sv18a007.d	30.00 g	10-AUG-2006 13:34	1.000	tls	7	ar1260s
20608043101		sv18a009.d	30.20 g	10-AUG-2006 14:12	1.000	tls	9	all
20608043102		sv18a010.d	30.00 g	10-AUG-2006 14:31	1.000	tls	10	8081
1400		sv18a011.d	1000.00 ml	10-AUG-2006 15:18	1.000	tls	11	8081
1400		sv18a012.d	1000.00 ml	10-AUG-2006 15:37	1.000	tls	12	aro1260
20607210613		sv18a013.d	30.00 g	10-AUG-2006 16:47	10.000	tls	13	all
20607210711		sv18a014.d	30.00 g	10-AUG-2006 17:06	2.000	tls	14	all
20608043101		sv18a017.d	30.00 g	10-AUG-2006 18:02	10.000	tls	17	all
20608043102		sv18a018.d	30.00 g	10-AUG-2006 18:20	10.000	tls	18	8081
1400		sv18a028.d	1000.00 ml	10-AUG-2006 21:27	1.000	tls	28	8081
1400		sv18a029.d	1000.00 ml	10-AUG-2006 21:46	1.000	tls	29	8081
1400		sv18a030.d	1000.00 ml	10-AUG-2006 22:05	1.000	tls	30	aro1260
20608043104		sv18a031.d	30.00 g	10-AUG-2006 22:24	10.000	tls	31	all
20608043105		sv18a032.d	30.00 g	10-AUG-2006 22:42	10.000	tls	32	all
20608043106		sv18a035.d	30.00 g	10-AUG-2006 23:38	10.000	tls	35	all
20608043107		sv18a036.d	30.00 g	10-AUG-2006 23:57	10.000	tls	36	all
20608043108		sv18a039.d	30.00 g	11-AUG-2006 00:53	10.000	tls	39	all
1400		sv18a042.d	1000.00 ml	11-AUG-2006 01:49	1.000	tls	42	8081
1400		sv18a043.d	1000.00 ml	11-AUG-2006 02:08	1.000	tls	43	8081
1400		sv18a044.d	1000.00 ml	11-AUG-2006 02:27	1.000	tls	44	aro1260

167798

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

SOW No.:

EPA Sample No.	*Lab Sample ID.*
FWPSE01-001-(0-0.5)	20608043101
FWPSE01-001-(0-0.5) MS	20608043102
FWPSE01-001-(0-0.5) MSD	20608043103
SE-501-(0-0.5)	20608043104
FWPSE04-004-(0-0.5)	20608043105
FWPSE02-002-(0-0.5)	20608043106
FWPSE03-003-(0-0.5)	20608043107
FWPSE05-005-(0-0.5)	20608043108
FWPSE-006-EB	20608043109

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

001338

167799

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE01-001-(0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 58.03 | Lab Sample ID: 20608043101

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1350

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	7990	mg/kg		1.25	13.8	SW-846 6010B	P
Antimony	4.14	mg/kg	U	0.33	4.14	SW-846 6010B	P
Arsenic	2.76	mg/kg	U	0.28	2.76	SW-846 6010B	P
Barium	108	mg/kg		0.028	0.69	SW-846 6010B	P
Beryllium	0.58	mg/kg		0.0052	0.34	SW-846 6010B	P
Boron	11.0	mg/kg		1.62	6.89	SW-846 6010B	P
Cadmium	0.23	mg/kg	B	0.028	0.34	SW-846 6010B	P
Chromium	8.29	mg/kg		0.071	0.69	SW-846 6010B	P
Cobalt	5.19	mg/kg		0.038	0.69	SW-846 6010B	P
Copper	8.33	mg/kg		0.098	0.69	SW-846 6010B	P
Iron	11300	mg/kg		1.58	6.89	SW-846 6010B	P
Lead	10.6	mg/kg		0.11	1.03	SW-846 6010B	P
Lithium	13.5	mg/kg		0.24	3.45	SW-846 6010B	P
Manganese	423	mg/kg		0.050	1.03	SW-846 6010B	P
Mercury	0.017	mg/kg	U	0.0034	0.017	SW-846 7471A	AV
Molybdenum	2.07	mg/kg	U	0.11	2.07	SW-846 6010B	P
Nickel	12.3	mg/kg		0.10	2.76	SW-846 6010B	P
Selenium	2.76	mg/kg	U	0.73	2.76	SW-846 6010B	P
Silver	0.69	mg/kg	U	0.081	0.69	SW-846 6010B	P
Strontium	63.3	mg/kg		0.038	0.69	SW-846 6010B	P
Thallium	1.38	mg/kg	U	0.13	1.38	SW-846 6010B	P
Tin	6.89	mg/kg	U	0.77	6.89	SW-846 6010B	P
Titanium	37.8	mg/kg		0.022	6.89	SW-846 6010B	P
Vanadium	16.8	mg/kg		0.025	1.38	SW-846 6010B	P
Zinc	38.2	mg/kg		0.31	1.38	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE01-001-(0-0.5) MS

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 58.03 | Lab Sample ID: 20608043102

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1350

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	11000	mg/kg		1.25	13.8	SW-846 6010B	P
Antimony	8.39	mg/kg		0.33	4.14	SW-846 6010B	P
Arsenic	35.3	mg/kg		0.28	2.76	SW-846 6010B	P
Barium	140	mg/kg		0.028	0.69	SW-846 6010B	P
Beryllium	36.8	mg/kg		0.0052	0.34	SW-846 6010B	P
Boron	164	mg/kg		1.62	6.89	SW-846 6010B	P
Cadmium	35.7	mg/kg		0.028	0.34	SW-846 6010B	P
Chromium	45.3	mg/kg		0.071	0.69	SW-846 6010B	P
Cobalt	40.0	mg/kg		0.038	0.69	SW-846 6010B	P
Copper	44.2	mg/kg		0.098	0.69	SW-846 6010B	P
Iron	13100	mg/kg		1.58	6.89	SW-846 6010B	P
Lead	45.9	mg/kg		0.11	1.03	SW-846 6010B	P
Lithium	50.8	mg/kg		0.24	3.45	SW-846 6010B	P
Manganese	475	mg/kg		0.050	1.03	SW-846 6010B	P
Mercury	0.42	mg/kg		0.0034	0.017	SW-846 7471A	AV
Molybdenum	29.3	mg/kg		0.11	2.07	SW-846 6010B	P
Nickel	48.1	mg/kg		0.10	2.76	SW-846 6010B	P
Selenium	34.9	mg/kg		0.73	2.76	SW-846 6010B	P
Silver	32.6	mg/kg		0.081	0.69	SW-846 6010B	P
Strontium	104	mg/kg		0.038	0.69	SW-846 6010B	P
Thallium	33.1	mg/kg		0.13	1.38	SW-846 6010B	P
Tin	37.2	mg/kg		0.77	6.89	SW-846 6010B	P
Titanium	60.0	mg/kg		0.022	6.89	SW-846 6010B	P
Vanadium	54.0	mg/kg		0.025	1.38	SW-846 6010B	P
Zinc	77.4	mg/kg		0.31	1.38	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: FWPSE01-001-(0-0.5) MSD

Lab Code: LA024 Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 206080431

Level: (low / med)
% Solids: 58.03
Lab Sample ID: 20608043103

Date Received: 08/04/06 Time: 0950
Date Collected: 08/02/06 Time: 1350

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	11100	mg/kg		1.25	13.8	SW-846 6010B	P
Antimony	8.94	mg/kg		0.33	4.14	SW-846 6010B	P
Arsenic	34.7	mg/kg		0.28	2.76	SW-846 6010B	P
Barium	142	mg/kg		0.028	0.69	SW-846 6010B	P
Beryllium	36.7	mg/kg		0.0052	0.34	SW-846 6010B	P
Boron	165	mg/kg		1.62	6.89	SW-846 6010B	P
Cadmium	35.6	mg/kg		0.028	0.34	SW-846 6010B	P
Chromium	45.3	mg/kg		0.071	0.69	SW-846 6010B	P
Cobalt	39.7	mg/kg		0.038	0.69	SW-846 6010B	P
Copper	43.8	mg/kg		0.098	0.69	SW-846 6010B	P
Iron	13500	mg/kg		1.58	6.89	SW-846 6010B	P
Lead	45.4	mg/kg		0.11	1.03	SW-846 6010B	P
Lithium	49.2	mg/kg		0.24	3.45	SW-846 6010B	P
Manganese	473	mg/kg		0.050	1.03	SW-846 6010B	P
Mercury	0.42	mg/kg		0.0034	0.017	SW-846 7471A	AV
Molybdenum	29.0	mg/kg		0.11	2.07	SW-846 6010B	P
Nickel	48.4	mg/kg		0.10	2.76	SW-846 6010B	P
Selenium	35.2	mg/kg		0.73	2.76	SW-846 6010B	P
Silver	32.6	mg/kg		0.081	0.69	SW-846 6010B	P
Strontium	103	mg/kg		0.038	0.69	SW-846 6010B	P
Thallium	32.6	mg/kg		0.13	1.38	SW-846 6010B	P
Tin	36.8	mg/kg		0.77	6.89	SW-846 6010B	P
Titanium	58.3	mg/kg		0.022	6.89	SW-846 6010B	P
Vanadium	53.8	mg/kg		0.025	1.38	SW-846 6010B	P
Zinc	77.6	mg/kg		0.31	1.38	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: SE-501-(0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 56.82 | Lab Sample ID: 20608043104

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1405

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	7800	mg/kg		1.26	14.0	SW-846 6010B	P
Antimony	4.19	mg/kg	U	0.34	4.19	SW-846 6010B	P
Arsenic	2.79	mg/kg	U	0.28	2.79	SW-846 6010B	P
Barium	99.7	mg/kg		0.028	0.70	SW-846 6010B	P
Beryllium	0.58	mg/kg		0.0052	0.35	SW-846 6010B	P
Boron	9.64	mg/kg		1.64	6.98	SW-846 6010B	P
Cadmium	0.18	mg/kg	B	0.028	0.35	SW-846 6010B	P
Chromium	8.26	mg/kg		0.072	0.70	SW-846 6010B	P
Cobalt	5.27	mg/kg		0.038	0.70	SW-846 6010B	P
Copper	8.45	mg/kg		0.10	0.70	SW-846 6010B	P
Iron	11300	mg/kg		1.60	6.98	SW-846 6010B	P
Lead	10.8	mg/kg		0.11	1.05	SW-846 6010B	P
Lithium	13.8	mg/kg		0.25	3.49	SW-846 6010B	P
Manganese	431	mg/kg		0.051	1.05	SW-846 6010B	P
Mercury	0.018	mg/kg	U	0.0035	0.018	SW-846 7471A	AV
Molybdenum	2.09	mg/kg	U	0.11	2.09	SW-846 6010B	P
Nickel	12.4	mg/kg		0.10	2.79	SW-846 6010B	P
Selenium	2.79	mg/kg	U	0.74	2.79	SW-846 6010B	P
Silver	0.70	mg/kg	U	0.082	0.70	SW-846 6010B	P
Strontium	65.2	mg/kg		0.038	0.70	SW-846 6010B	P
Thallium	1.40	mg/kg	U	0.13	1.40	SW-846 6010B	P
Tin	6.98	mg/kg	U	0.78	6.98	SW-846 6010B	P
Titanium	32.0	mg/kg		0.023	6.98	SW-846 6010B	P
Vanadium	17.0	mg/kg		0.025	1.40	SW-846 6010B	P
Zinc	38.4	mg/kg		0.31	1.40	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE04-004-(0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 57.52 | Lab Sample ID: 20608043105

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1420

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	8270	mg/kg		1.25	13.8	SW-846 6010B	P
Antimony	4.14	mg/kg	U	0.33	4.14	SW-846 6010B	P
Arsenic	2.76	mg/kg	U	0.28	2.76	SW-846 6010B	P
Barium	111	mg/kg		0.028	0.69	SW-846 6010B	P
Beryllium	0.61	mg/kg		0.0052	0.34	SW-846 6010B	P
Boron	8.52	mg/kg		1.62	6.90	SW-846 6010B	P
Cadmium	0.19	mg/kg	B	0.028	0.34	SW-846 6010B	P
Chromium	8.81	mg/kg		0.071	0.69	SW-846 6010B	P
Cobalt	5.57	mg/kg		0.038	0.69	SW-846 6010B	P
Copper	8.84	mg/kg		0.098	0.69	SW-846 6010B	P
Iron	11900	mg/kg		1.58	6.90	SW-846 6010B	P
Lead	11.4	mg/kg		0.11	1.03	SW-846 6010B	P
Lithium	14.6	mg/kg		0.24	3.45	SW-846 6010B	P
Manganese	440	mg/kg		0.050	1.03	SW-846 6010B	P
Mercury	0.017	mg/kg	U	0.0034	0.017	SW-846 7471A	AV
Molybdenum	2.07	mg/kg	U	0.11	2.07	SW-846 6010B	P
Nickel	13.2	mg/kg		0.10	2.76	SW-846 6010B	P
Selenium	2.76	mg/kg	U	0.73	2.76	SW-846 6010B	P
Silver	0.69	mg/kg	U	0.081	0.69	SW-846 6010B	P
Strontium	68.3	mg/kg		0.038	0.69	SW-846 6010B	P
Thallium	1.38	mg/kg	U	0.13	1.38	SW-846 6010B	P
Tin	6.90	mg/kg	U	0.77	6.90	SW-846 6010B	P
Titanium	33.6	mg/kg		0.022	6.90	SW-846 6010B	P
Vanadium	17.7	mg/kg		0.025	1.38	SW-846 6010B	P
Zinc	40.3	mg/kg		0.31	1.38	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE02-002-(0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 43.98 | Lab Sample ID: 20608043106

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1500

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12300	mg/kg		1.64	18.2	SW-846 6010B	P
Antimony	5.46	mg/kg	U	0.44	5.46	SW-846 6010B	P
Arsenic	3.64	mg/kg	U	0.37	3.64	SW-846 6010B	P
Barium	140	mg/kg		0.037	0.91	SW-846 6010B	P
Beryllium	0.94	mg/kg		0.0068	0.45	SW-846 6010B	P
Boron	13.8	mg/kg		2.13	9.09	SW-846 6010B	P
Cadmium	0.27	mg/kg	B	0.037	0.45	SW-846 6010B	P
Chromium	12.3	mg/kg		0.093	0.91	SW-846 6010B	P
Cobalt	7.81	mg/kg		0.050	0.91	SW-846 6010B	P
Copper	13.6	mg/kg		0.13	0.91	SW-846 6010B	P
Iron	17100	mg/kg		2.08	9.09	SW-846 6010B	P
Lead	16.7	mg/kg		0.15	1.36	SW-846 6010B	P
Lithium	21.0	mg/kg		0.32	4.55	SW-846 6010B	P
Manganese	711	mg/kg		0.066	1.36	SW-846 6010B	P
Mercury	0.023	mg/kg	U	0.0045	0.023	SW-846 7471A	AV
Molybdenum	2.73	mg/kg	U	0.14	2.73	SW-846 6010B	P
Nickel	18.6	mg/kg		0.13	3.64	SW-846 6010B	P
Selenium	3.64	mg/kg	U	0.96	3.64	SW-846 6010B	P
Silver	0.91	mg/kg	U	0.11	0.91	SW-846 6010B	P
Strontium	98.5	mg/kg		0.050	0.91	SW-846 6010B	P
Thallium	1.82	mg/kg	U	0.18	1.82	SW-846 6010B	P
Tin	9.09	mg/kg	U	1.02	9.09	SW-846 6010B	P
Titanium	40.5	mg/kg		0.030	9.09	SW-846 6010B	P
Vanadium	25.1	mg/kg		0.033	1.82	SW-846 6010B	P
Zinc	61.1	mg/kg		0.40	1.82	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE03-003-(0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 55.62 | Lab Sample ID: 20608043107

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1525

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	10800	mg/kg		1.30	14.4	SW-846 6010B	P
Antimony	4.31	mg/kg	U	0.35	4.31	SW-846 6010B	P
Arsenic	2.88	mg/kg	U	0.29	2.88	SW-846 6010B	P
Barium	117	mg/kg		0.029	0.72	SW-846 6010B	P
Beryllium	0.80	mg/kg		0.0054	0.36	SW-846 6010B	P
Boron	9.61	mg/kg		1.69	7.19	SW-846 6010B	P
Cadmium	0.25	mg/kg	B	0.029	0.36	SW-846 6010B	P
Chromium	10.8	mg/kg		0.074	0.72	SW-846 6010B	P
Cobalt	6.80	mg/kg		0.040	0.72	SW-846 6010B	P
Copper	11.5	mg/kg		0.10	0.72	SW-846 6010B	P
Iron	14800	mg/kg		1.64	7.19	SW-846 6010B	P
Lead	14.3	mg/kg		0.12	1.08	SW-846 6010B	P
Lithium	17.7	mg/kg		0.25	3.60	SW-846 6010B	P
Manganese	572	mg/kg		0.052	1.08	SW-846 6010B	P
Mercury	0.018	mg/kg	U	0.0035	0.018	SW-846 7471A	AV
Molybdenum	2.16	mg/kg	U	0.11	2.16	SW-846 6010B	P
Nickel	16.2	mg/kg		0.11	2.88	SW-846 6010B	P
Selenium	2.88	mg/kg	U	0.76	2.88	SW-846 6010B	P
Silver	0.72	mg/kg	U	0.084	0.72	SW-846 6010B	P
Strontium	80.4	mg/kg		0.039	0.72	SW-846 6010B	P
Thallium	1.44	mg/kg	U	0.14	1.44	SW-846 6010B	P
Tin	7.19	mg/kg	U	0.81	7.19	SW-846 6010B	P
Titanium	32.7	mg/kg		0.023	7.19	SW-846 6010B	P
Vanadium	22.2	mg/kg		0.026	1.44	SW-846 6010B	P
Zinc	50.2	mg/kg		0.32	1.44	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE05-005-(0-0.5)

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

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206080431

Level: (low / med) | % Solids: 53.24 | Lab Sample ID: 20608043108

Date Received: 08/04/06 | Time: 0950 | Date Collected: 08/02/06 | Time: 1550

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	8520	mg/kg		1.35	14.9	SW-846 6010B	P
Antimony	4.47	mg/kg	U	0.36	4.47	SW-846 6010B	P
Arsenic	2.98	mg/kg	U	0.30	2.98	SW-846 6010B	P
Barium	111	mg/kg		0.030	0.75	SW-846 6010B	P
Beryllium	0.65	mg/kg		0.0056	0.37	SW-846 6010B	P
Boron	9.89	mg/kg		1.75	7.45	SW-846 6010B	P
Cadmium	0.19	mg/kg	B	0.030	0.37	SW-846 6010B	P
Chromium	8.86	mg/kg		0.076	0.75	SW-846 6010B	P
Cobalt	5.74	mg/kg		0.041	0.75	SW-846 6010B	P
Copper	9.22	mg/kg		0.11	0.75	SW-846 6010B	P
Iron	12400	mg/kg		1.70	7.45	SW-846 6010B	P
Lead	11.9	mg/kg		0.12	1.12	SW-846 6010B	P
Lithium	14.2	mg/kg		0.26	3.73	SW-846 6010B	P
Manganese	580	mg/kg		0.054	1.12	SW-846 6010B	P
Mercury	0.019	mg/kg	U	0.0038	0.019	SW-846 7471A	AV
Molybdenum	2.24	mg/kg	U	0.12	2.24	SW-846 6010B	P
Nickel	13.4	mg/kg		0.11	2.98	SW-846 6010B	P
Selenium	2.98	mg/kg	U	0.79	2.98	SW-846 6010B	P
Silver	0.75	mg/kg	U	0.088	0.75	SW-846 6010B	P
Strontium	73.3	mg/kg		0.041	0.75	SW-846 6010B	P
Thallium	1.49	mg/kg	U	0.14	1.49	SW-846 6010B	P
Tin	7.45	mg/kg	U	0.83	7.45	SW-846 6010B	P
Titanium	32.6	mg/kg		0.024	7.45	SW-846 6010B	P
Vanadium	17.9	mg/kg		0.027	1.49	SW-846 6010B	P
Zinc	42.7	mg/kg		0.33	1.49	SW-846 6010B	P

001346

167807

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: FWPSE-006-EB
Lab Code: LA024 Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.: SDG No.: 206080431
Level: (low / med) % Solids:
Lab Sample ID: 20608043109
Date Received: 08/04/06 Time: 0950
Date Collected: 08/02/06 Time: 1615

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.20	mg/L	U	0.023	0.20	SW-846 6010B	P
Antimony	0.060	mg/L	U	0.0025	0.060	SW-846 6010B	P
Arsenic	0.010	mg/L	U	0.0030	0.010	SW-846 6010B	P
Barium	0.00065	mg/L	B	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	mg/L	U	0.00010	0.0050	SW-846 6010B	P
Boron	0.030	mg/L	B	0.013	1.00	SW-846 6010B	P
Cadmium	0.0050	mg/L	U	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	mg/L	U	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	mg/L	U	0.00050	0.010	SW-846 6010B	P
Copper	0.010	mg/L	U	0.0030	0.010	SW-846 6010B	P
Iron	0.10	mg/L	U	0.026	0.10	SW-846 6010B	P
Lead	0.0017	mg/L	B	0.0012	0.015	SW-846 6010B	P
Lithium	0.050	mg/L	U	0.0035	0.050	SW-846 6010B	P
Manganese	0.0020	mg/L	B	0.00060	0.015	SW-846 6010B	P
Mercury	0.00020	mg/L	U	0.00005	0.00020	SW-846 7470A	AV
Molybdenum	0.050	mg/L	U	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	mg/L	U	0.00060	0.040	SW-846 6010B	P
Selenium	0.0086	mg/L	B	0.0045	0.040	SW-846 6010B	P
Silver	0.010	mg/L	U	0.00060	0.010	SW-846 6010B	P
Strontium	0.0023	mg/L	B	0.00090	0.050	SW-846 6010B	P
Thallium	0.0019	mg/L	B	0.0013	0.020	SW-846 6010B	P
Tin	0.025	mg/L	U	0.0062	0.025	SW-846 6010B	P
Titanium	0.10	mg/L	U	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	mg/L	U	0.00070	0.020	SW-846 6010B	P
Zinc	0.0044	mg/L	B	0.0024	0.020	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-53-4 CPI/EXAXOL Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1314

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.83	98	mg/L	SW-846 6010B	P
Antimony	1.00	0.990	99	mg/L	SW-846 6010B	P
Arsenic	1.00	0.970	97	mg/L	SW-846 6010B	P
Barium	1.00	0.990	99	mg/L	SW-846 6010B	P
Beryllium	1.00	0.980	98	mg/L	SW-846 6010B	P
Boron	5.00	4.97	99	mg/L	SW-846 6010B	P
Cadmium	1.00	0.960	96	mg/L	SW-846 6010B	P
Calcium	10.0	9.73	97	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	10.1	101	mg/L	SW-846 6010B	P
Lead	1.00	0.980	98	mg/L	SW-846 6010B	P
Lithium	1.00	0.990	99	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	0.950	95	mg/L	SW-846 6010B	P
Nickel	1.00	0.960	96	mg/L	SW-846 6010B	P
Potassium	10.0	10.1	101	mg/L	SW-846 6010B	P
Selenium	1.00	0.970	97	mg/L	SW-846 6010B	P
Silver	1.00	0.980	98	mg/L	SW-846 6010B	P
Sodium	10.0	9.96	100	mg/L	SW-846 6010B	P
Strontium	1.00	0.980	98	mg/L	SW-846 6010B	P
Thallium	1.00	0.990	99	mg/L	SW-846 6010B	P
Tin	1.00	0.990	99	mg/L	SW-846 6010B	P
Titanium	1.00	0.970	97	mg/L	SW-846 6010B	P
Vanadium	1.00	0.960	96	mg/L	SW-846 6010B	P
Zinc	1.00	0.930	93	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.: 206080431

Calibration Source: 160-56-2 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1333

CRDL STANDARD

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	0.200	0.210	105	mg/L	SW-846 6010B	P
Antimony	0.0600	0.0640	106	mg/L	SW-846 6010B	P
Arsenic	0.0100	0.0120	120	mg/L	SW-846 6010B	P
Barium	0.0100	0.0100	100	mg/L	SW-846 6010B	P
Beryllium	0.00500	0.00480	95	mg/L	SW-846 6010B	P
Boron	0.500	0.480	96	mg/L	SW-846 6010B	P
Cadmium	0.00500	0.00450	91	mg/L	SW-846 6010B	P
Calcium	0.100	0.0970	97	mg/L	SW-846 6010B	P
Chromium	0.0100	0.00970	97	mg/L	SW-846 6010B	P
Cobalt	0.0100	0.00930	93	mg/L	SW-846 6010B	P
Copper	0.0100	0.00910	91	mg/L	SW-846 6010B	P
Iron	0.100	0.0950	95	mg/L	SW-846 6010B	P
Lead	0.0150	0.0160	104	mg/L	SW-846 6010B	P
Lithium	0.0500	0.0500	99	mg/L	SW-846 6010B	P
Magnesium	0.100	0.100	100	mg/L	SW-846 6010B	P
Manganese	0.0150	0.0150	99	mg/L	SW-846 6010B	P
Molybdenum	0.0500	0.0470	95	mg/L	SW-846 6010B	P
Nickel	0.0400	0.0380	95	mg/L	SW-846 6010B	P
Potassium	0.500	0.470	93	mg/L	SW-846 6010B	P
Selenium	0.0400	0.0410	103	mg/L	SW-846 6010B	P
Sodium	1.00	0.860	86	mg/L	SW-846 6010B	P
Strontium	0.0500	0.0500	99	mg/L	SW-846 6010B	P
Thallium	0.0100	0.00920	92	mg/L	SW-846 6010B	P
Tin	0.100	0.0960	96	mg/L	SW-846 6010B	P
Titanium	0.100	0.0980	98	mg/L	SW-846 6010B	P
Vanadium	0.0200	0.0200	102	mg/L	SW-846 6010B	P
Zinc	0.0200	0.0190	95	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-56-9 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1340

CRDL STANDARD

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Silver	0.0100	0.0110	113	mg/L	SW-846 6010B	P

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167811

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1359

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.99	100	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	0.500	101	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	4.95	99	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	100	mg/L	SW-846 6010B	P
Iron	5.00	4.91	98	mg/L	SW-846 6010B	P
Lead	0.500	0.500	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	100	mg/L	SW-846 6010B	P
Magnesium	5.00	4.99	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	101	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	101	mg/L	SW-846 6010B	P
Nickel	0.500	0.510	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.0	100	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	101	mg/L	SW-846 6010B	P
Silicon	0.500	0.490	97	mg/L	SW-846 6010B	P
Silver	0.500	0.500	101	mg/L	SW-846 6010B	P
Sodium	20.0	20.3	101	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	102	mg/L	SW-846 6010B	P
Tin	0.500	0.500	100	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	100	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-58-1 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1504

CRDL STANDARD

Analyte	True	Found	CAL %R	Units	Method	Type
Antimony	0.00600	0.00940	156	mg/L	SW-846 6010B	P
Cobalt	0.00500	0.00460	92	mg/L	SW-846 6010B	P
Lead	0.00500	0.00540	108	mg/L	SW-846 6010B	P
Molybdenum	0.0200	0.0200	98	mg/L	SW-846 6010B	P
Nickel	0.00500	0.00440	88	mg/L	SW-846 6010B	P
Thallium	0.00200	0.00250	124	mg/L	SW-846 6010B	P
Tin	0.0250	0.0230	91	mg/L	SW-846 6010B	P
Vanadium	0.00500	0.00550	110	mg/L	SW-846 6010B	P

001352

167813

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1542

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	0.500	100	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	101	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	4.96	99	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	100	mg/L	SW-846 6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 6010B	P
Iron	5.00	4.92	98	mg/L	SW-846 6010B	P
Lead	0.500	0.500	100	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	101	mg/L	SW-846 6010B	P
Magnesium	5.00	4.99	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	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.3	103	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 6010B	P
Silicon	0.500	0.490	98	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	21.2	106	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	101	mg/L	SW-846 6010B	P
Tin	0.500	0.500	100	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	99	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	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.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1707

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	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	98	mg/L	SW-846 6010B	P
Barium	0.500	0.500	99	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	99	mg/L	SW-846 6010B	P
Boron	2.50	2.43	97	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	98	mg/L	SW-846 6010B	P
Calcium	5.00	4.96	99	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	99	mg/L	SW-846 6010B	P
Copper	0.500	0.490	99	mg/L	SW-846 6010B	P
Iron	5.00	4.94	99	mg/L	SW-846 6010B	P
Lead	0.500	0.490	98	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	101	mg/L	SW-846 6010B	P
Magnesium	5.00	5.00	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	100	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	99	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	99	mg/L	SW-846 6010B	P
Potassium	10.0	10.3	103	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	0.500	0.490	97	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	20.5	103	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	99	mg/L	SW-846 6010B	P
Tin	0.500	0.490	97	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	98	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	98	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1829

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	0.490	97	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	98	mg/L	SW-846 6010B	P
Barium	0.500	0.490	99	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	99	mg/L	SW-846 6010B	P
Boron	2.50	2.41	97	mg/L	SW-846 6010B	P
Cadmium	0.500	0.490	97	mg/L	SW-846 6010B	P
Calcium	5.00	4.97	99	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	100	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	97	mg/L	SW-846 6010B	P
Copper	0.500	0.490	99	mg/L	SW-846 6010B	P
Iron	5.00	4.91	98	mg/L	SW-846 6010B	P
Lead	0.500	0.480	97	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	100	mg/L	SW-846 6010B	P
Magnesium	5.00	5.01	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	99	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	98	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	97	mg/L	SW-846 6010B	P
Silicon	0.500	0.510	102	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	20.2	101	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.490	97	mg/L	SW-846 6010B	P
Tin	0.500	0.480	96	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	99	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	99	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	100	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 1950

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.10	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.480	97	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	99	mg/L	SW-846 6010B	P
Boron	2.50	2.44	98	mg/L	SW-846 6010B	P
Cadmium	0.500	0.480	96	mg/L	SW-846 6010B	P
Calcium	5.00	4.99	100	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	99	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	98	mg/L	SW-846 6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 6010B	P
Iron	5.00	4.97	99	mg/L	SW-846 6010B	P
Lead	0.500	0.490	97	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.00	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	99	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	98	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.500	100	mg/L	SW-846 6010B	P
Silicon	0.500	0.510	102	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	19.9	100	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.490	98	mg/L	SW-846 6010B	P
Tin	0.500	0.480	96	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	0.490	98	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.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 2111

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.19	104	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	100	mg/L	SW-846 6010B	P
Arsenic	0.500	0.480	96	mg/L	SW-846 6010B	P
Barium	0.500	0.490	98	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Boron	2.50	2.39	96	mg/L	SW-846 6010B	P
Cadmium	0.500	0.470	95	mg/L	SW-846 6010B	P
Calcium	5.00	5.03	101	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	99	mg/L	SW-846 6010B	P
Cobalt	0.500	0.490	98	mg/L	SW-846 6010B	P
Copper	0.500	0.490	99	mg/L	SW-846 6010B	P
Iron	5.00	5.03	101	mg/L	SW-846 6010B	P
Lead	0.500	0.480	97	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.04	101	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	98	mg/L	SW-846 6010B	P
Nickel	0.500	0.490	98	mg/L	SW-846 6010B	P
Potassium	10.0	10.2	102	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	99	mg/L	SW-846 6010B	P
Silicon	0.500	0.510	101	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	20.5	102	mg/L	SW-846 6010B	P
Strontium	0.500	0.530	105	mg/L	SW-846 6010B	P
Thallium	0.500	0.490	97	mg/L	SW-846 6010B	P
Tin	0.500	0.480	96	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	97	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	98	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.: 206080431

Calibration Source: 160-57-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 3

Date Analyzed: 08/08/06 Time: 2232

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	0.470	94	mg/L	SW-846 6010B	P
Barium	0.500	0.490	97	mg/L	SW-846 6010B	P
Beryllium	0.500	0.490	98	mg/L	SW-846 6010B	P
Boron	2.50	2.38	95	mg/L	SW-846 6010B	P
Cadmium	0.500	0.470	94	mg/L	SW-846 6010B	P
Calcium	5.00	4.89	98	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	98	mg/L	SW-846 6010B	P
Cobalt	0.500	0.480	97	mg/L	SW-846 6010B	P
Copper	0.500	0.490	99	mg/L	SW-846 6010B	P
Iron	5.00	4.88	98	mg/L	SW-846 6010B	P
Lead	0.500	0.480	95	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	100	mg/L	SW-846 6010B	P
Magnesium	5.00	4.90	98	mg/L	SW-846 6010B	P
Manganese	0.500	0.490	98	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	97	mg/L	SW-846 6010B	P
Nickel	0.500	0.480	97	mg/L	SW-846 6010B	P
Potassium	10.0	9.98	100	mg/L	SW-846 6010B	P
Selenium	0.500	0.490	98	mg/L	SW-846 6010B	P
Silicon	0.500	0.480	96	mg/L	SW-846 6010B	P
Silver	0.500	0.500	100	mg/L	SW-846 6010B	P
Sodium	20.0	19.9	100	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.480	96	mg/L	SW-846 6010B	P
Tin	0.500	0.470	94	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.480	96	mg/L	SW-846 6010B	P
Zinc	0.500	0.490	97	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.: 206080431

Calibration Source: 160-58-3 CPI/EXAXOL Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 0931

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	10.0	100	mg/L	SW-846 6010B	P
Antimony	1.00	1.04	104	mg/L	SW-846 6010B	P
Arsenic	1.00	0.980	98	mg/L	SW-846 6010B	P
Barium	1.00	1.00	100	mg/L	SW-846 6010B	P
Beryllium	1.00	1.00	100	mg/L	SW-846 6010B	P
Boron	5.00	5.04	101	mg/L	SW-846 6010B	P
Cadmium	1.00	0.970	97	mg/L	SW-846 6010B	P
Calcium	10.0	10.1	101	mg/L	SW-846 6010B	P
Chromium	1.00	0.980	98	mg/L	SW-846 6010B	P
Cobalt	1.00	0.960	96	mg/L	SW-846 6010B	P
Copper	1.00	0.970	97	mg/L	SW-846 6010B	P
Iron	10.0	10.3	103	mg/L	SW-846 6010B	P
Lead	1.00	0.980	98	mg/L	SW-846 6010B	P
Lithium	1.00	0.990	99	mg/L	SW-846 6010B	P
Magnesium	10.0	10.1	101	mg/L	SW-846 6010B	P
Manganese	1.00	0.980	98	mg/L	SW-846 6010B	P
Molybdenum	1.00	0.970	97	mg/L	SW-846 6010B	P
Nickel	1.00	0.970	97	mg/L	SW-846 6010B	P
Potassium	10.0	9.92	99	mg/L	SW-846 6010B	P
Selenium	1.00	0.980	98	mg/L	SW-846 6010B	P
Silver	1.00	0.990	99	mg/L	SW-846 6010B	P
Sodium	10.0	9.73	97	mg/L	SW-846 6010B	P
Strontium	1.00	0.980	98	mg/L	SW-846 6010B	P
Thallium	1.00	1.00	100	mg/L	SW-846 6010B	P
Tin	1.00	1.02	102	mg/L	SW-846 6010B	P
Titanium	1.00	0.990	99	mg/L	SW-846 6010B	P
Vanadium	1.00	0.970	97	mg/L	SW-846 6010B	P
Zinc	1.00	0.980	98	mg/L	SW-846 6010B	P

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

001359

167820

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-56-4 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 0951

CRDL STANDARD

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	0.200	0.240	120	mg/L	SW-846 6010B	P
Antimony	0.0600	0.0660	111	mg/L	SW-846 6010B	P
Arsenic	0.0100	0.0130	127	mg/L	SW-846 6010B	P
Barium	0.0100	0.0100	101	mg/L	SW-846 6010B	P
Beryllium	0.00500	0.00500	99	mg/L	SW-846 6010B	P
Boron	0.500	0.520	105	mg/L	SW-846 6010B	P
Cadmium	0.00500	0.00490	98	mg/L	SW-846 6010B	P
Calcium	0.100	0.150	149	mg/L	SW-846 6010B	P
Chromium	0.0100	0.0110	107	mg/L	SW-846 6010B	P
Cobalt	0.0100	0.00960	96	mg/L	SW-846 6010B	P
Copper	0.0100	0.0100	102	mg/L	SW-846 6010B	P
Iron	0.100	0.110	106	mg/L	SW-846 6010B	P
Lead	0.0150	0.0140	93	mg/L	SW-846 6010B	P
Lithium	0.0500	0.0530	107	mg/L	SW-846 6010B	P
Magnesium	0.100	0.120	117	mg/L	SW-846 6010B	P
Manganese	0.0150	0.0170	114	mg/L	SW-846 6010B	P
Molybdenum	0.0500	0.0510	101	mg/L	SW-846 6010B	P
Nickel	0.0400	0.0390	98	mg/L	SW-846 6010B	P
Potassium	0.500	0.370	74	mg/L	SW-846 6010B	P
Selenium	0.0400	0.0310	79	mg/L	SW-846 6010B	P
Sodium	1.00	0.920	92	mg/L	SW-846 6010B	P
Strontium	0.0500	0.0510	102	mg/L	SW-846 6010B	P
Thallium	0.0100	0.00950	95	mg/L	SW-846 6010B	P
Tin	0.100	0.100	102	mg/L	SW-846 6010B	P
Titanium	0.100	0.100	101	mg/L	SW-846 6010B	P
Vanadium	0.0200	0.0200	101	mg/L	SW-846 6010B	P
Zinc	0.0200	0.0200	102	mg/L	SW-846 6010B	P

001360

167821

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-56-9 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 0956

CRDL STANDARD

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Silver	0.0100	0.0120	117	mg/L	SW-846 6010B	P

001361

167822

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-58-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1018

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.21	104	mg/L	SW-846 6010B	P
Antimony	0.500	0.520	105	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	105	mg/L	SW-846 6010B	P
Barium	0.500	0.520	104	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	103	mg/L	SW-846 6010B	P
Boron	2.50	2.59	104	mg/L	SW-846 6010B	P
Cadmium	0.500	0.520	104	mg/L	SW-846 6010B	P
Calcium	5.00	5.32	106	mg/L	SW-846 6010B	P
Chromium	0.500	0.520	104	mg/L	SW-846 6010B	P
Cobalt	0.500	0.520	103	mg/L	SW-846 6010B	P
Copper	0.500	0.520	104	mg/L	SW-846 6010B	P
Iron	5.00	5.37	107	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	101	mg/L	SW-846 6010B	P
Magnesium	5.00	5.27	105	mg/L	SW-846 6010B	P
Manganese	0.500	0.520	104	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.520	103	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	104	mg/L	SW-846 6010B	P
Potassium	10.0	9.98	100	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	103	mg/L	SW-846 6010B	P
Silicon	0.500	0.580	117	mg/L	SW-846 6010B	P
Silver	0.500	0.510	103	mg/L	SW-846 6010B	P
Sodium	20.0	20.5	103	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	104	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	105	mg/L	SW-846 6010B	P
Tin	0.500	0.520	105	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	103	mg/L	SW-846 6010B	P
Vanadium	0.500	0.520	103	mg/L	SW-846 6010B	P
Zinc	0.500	0.530	106	mg/L	SW-846 6010B	P
Zirconium	0.500	0.520	103	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.: 206080431

Calibration Source: 160-58-5 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1039

CRDL STANDARD

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Boron	0.100	0.120	116	mg/L	SW-846 6010B	P
Molybdenum	0.0200	0.0210	106	mg/L	SW-846 6010B	P
Tin	0.0250	0.0270	109	mg/L	SW-846 6010B	P
Vanadium	0.00500	0.00450	89	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-58-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1205

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.92	98	mg/L	SW-846 6010B	P
Antimony	0.500	0.510	103	mg/L	SW-846 6010B	P
Arsenic	0.500	0.520	104	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.500	101	mg/L	SW-846 6010B	P
Boron	2.50	2.59	103	mg/L	SW-846 6010B	P
Cadmium	0.500	0.530	105	mg/L	SW-846 6010B	P
Calcium	5.00	5.10	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 6010B	P
Cobalt	0.500	0.520	104	mg/L	SW-846 6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 6010B	P
Iron	5.00	5.13	103	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.490	98	mg/L	SW-846 6010B	P
Magnesium	5.00	5.31	106	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.520	104	mg/L	SW-846 6010B	P
Potassium	10.0	9.99	100	mg/L	SW-846 6010B	P
Selenium	0.500	0.530	105	mg/L	SW-846 6010B	P
Silicon	0.500	0.470	94	mg/L	SW-846 6010B	P
Silver	0.500	0.490	99	mg/L	SW-846 6010B	P
Sodium	20.0	20.2	101	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	101	mg/L	SW-846 6010B	P
Thallium	0.500	0.520	103	mg/L	SW-846 6010B	P
Tin	0.500	0.520	104	mg/L	SW-846 6010B	P
Titanium	0.500	0.490	99	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	101	mg/L	SW-846 6010B	P
Zinc	0.500	0.520	104	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.: 206080431

Calibration Source: 160-58-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1238

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.93	99	mg/L	SW-846 6010B	P
Antimony	0.500	0.520	104	mg/L	SW-846 6010B	P
Arsenic	0.500	0.530	106	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	2.62	105	mg/L	SW-846 6010B	P
Cadmium	0.500	0.530	106	mg/L	SW-846 6010B	P
Calcium	5.00	5.18	104	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	103	mg/L	SW-846 6010B	P
Cobalt	0.500	0.520	105	mg/L	SW-846 6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 6010B	P
Iron	5.00	5.08	102	mg/L	SW-846 6010B	P
Lead	0.500	0.520	104	mg/L	SW-846 6010B	P
Lithium	0.500	0.500	101	mg/L	SW-846 6010B	P
Magnesium	5.00	5.30	106	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	0.530	105	mg/L	SW-846 6010B	P
Potassium	10.0	10.1	101	mg/L	SW-846 6010B	P
Selenium	0.500	0.530	107	mg/L	SW-846 6010B	P
Silicon	0.500	0.460	91	mg/L	SW-846 6010B	P
Silver	0.500	0.490	99	mg/L	SW-846 6010B	P
Sodium	20.0	20.4	102	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.530	105	mg/L	SW-846 6010B	P
Tin	0.500	0.530	106	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	100	mg/L	SW-846 6010B	P
Vanadium	0.500	0.510	102	mg/L	SW-846 6010B	P
Zinc	0.500	0.520	104	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.: 206080431

Calibration Source: 160-58-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1356

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.12	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.540	109	mg/L	SW-846 6010B	P
Arsenic	0.500	0.550	110	mg/L	SW-846 6010B	P
Barium	0.500	0.530	106	mg/L	SW-846 6010B	P
Beryllium	0.500	0.530	106	mg/L	SW-846 6010B	P
Boron	2.50	2.69	108	mg/L	SW-846 6010B	P
Cadmium	0.500	0.540	109	mg/L	SW-846 6010B	P
Calcium	5.00	5.46	109	mg/L	SW-846 6010B	P
Chromium	0.500	0.530	106	mg/L	SW-846 6010B	P
Cobalt	0.500	0.540	108	mg/L	SW-846 6010B	P
Copper	0.500	0.520	104	mg/L	SW-846 6010B	P
Iron	5.00	5.29	106	mg/L	SW-846 6010B	P
Lead	0.500	0.540	107	mg/L	SW-846 6010B	P
Lithium	0.500	0.540	107	mg/L	SW-846 6010B	P
Magnesium	5.00	5.58	112	mg/L	SW-846 6010B	P
Manganese	0.500	0.530	106	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.530	105	mg/L	SW-846 6010B	P
Nickel	0.500	0.540	108	mg/L	SW-846 6010B	P
Potassium	10.0	10.6	106	mg/L	SW-846 6010B	P
Selenium	0.500	0.540	109	mg/L	SW-846 6010B	P
Silicon	0.500	0.540	108	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	mg/L	SW-846 6010B	P
Sodium	20.0	21.6	108	mg/L	SW-846 6010B	P
Strontium	0.500	0.540	109	mg/L	SW-846 6010B	P
Thallium	0.500	0.540	108	mg/L	SW-846 6010B	P
Tin	0.500	0.550	110	mg/L	SW-846 6010B	P
Titanium	0.500	0.520	104	mg/L	SW-846 6010B	P
Vanadium	0.500	0.530	106	mg/L	SW-846 6010B	P
Zinc	0.500	0.540	108	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	103	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.: 206080431

Calibration Source: 160-58-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1534

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	4.91	98	mg/L	SW-846 6010B	P
Antimony	0.500	0.530	107	mg/L	SW-846 6010B	P
Arsenic	0.500	0.540	108	mg/L	SW-846 6010B	P
Barium	0.500	0.520	103	mg/L	SW-846 6010B	P
Beryllium	0.500	0.520	105	mg/L	SW-846 6010B	P
Boron	2.50	2.67	107	mg/L	SW-846 6010B	P
Cadmium	0.500	0.540	108	mg/L	SW-846 6010B	P
Calcium	5.00	5.46	109	mg/L	SW-846 6010B	P
Chromium	0.500	0.520	104	mg/L	SW-846 6010B	P
Cobalt	0.500	0.550	109	mg/L	SW-846 6010B	P
Copper	0.500	0.510	101	mg/L	SW-846 6010B	P
Iron	5.00	5.18	104	mg/L	SW-846 6010B	P
Lead	0.500	0.530	106	mg/L	SW-846 6010B	P
Lithium	0.500	0.540	107	mg/L	SW-846 6010B	P
Magnesium	5.00	5.55	111	mg/L	SW-846 6010B	P
Manganese	0.500	0.520	104	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.520	104	mg/L	SW-846 6010B	P
Nickel	0.500	0.550	110	mg/L	SW-846 6010B	P
Potassium	10.0	10.6	106	mg/L	SW-846 6010B	P
Selenium	0.500	0.540	108	mg/L	SW-846 6010B	P
Silicon	0.500	0.510	101	mg/L	SW-846 6010B	P
Silver	0.500	0.500	99	mg/L	SW-846 6010B	P
Sodium	20.0	21.3	106	mg/L	SW-846 6010B	P
Strontium	0.500	0.530	107	mg/L	SW-846 6010B	P
Thallium	0.500	0.530	106	mg/L	SW-846 6010B	P
Tin	0.500	0.540	109	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.530	106	mg/L	SW-846 6010B	P
Zinc	0.500	0.530	106	mg/L	SW-846 6010B	P
Zirconium	0.500	0.500	101	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-58-2 INORGANIC VENTURES Instrument ID: ICP5 ICAL ID: 4

Date Analyzed: 08/09/06 Time: 1716

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.18	104	mg/L	SW-846 6010B	P
Antimony	0.500	0.540	108	mg/L	SW-846 6010B	P
Arsenic	0.500	0.550	109	mg/L	SW-846 6010B	P
Barium	0.500	0.530	106	mg/L	SW-846 6010B	P
Beryllium	0.500	0.540	107	mg/L	SW-846 6010B	P
Boron	2.50	2.69	108	mg/L	SW-846 6010B	P
Cadmium	0.500	0.550	110	mg/L	SW-846 6010B	P
Calcium	5.00	5.67	113	mg/L	SW-846 6010B	P
Chromium	0.500	0.530	107	mg/L	SW-846 6010B	P
Cobalt	0.500	0.540	109	mg/L	SW-846 6010B	P
Copper	0.500	0.520	104	mg/L	SW-846 6010B	P
Iron	5.00	5.46	109	mg/L	SW-846 6010B	P
Lead	0.500	0.540	108	mg/L	SW-846 6010B	P
Lithium	0.500	0.520	105	mg/L	SW-846 6010B	P
Magnesium	5.00	5.73	115	mg/L	SW-846 6010B	P
Manganese	0.500	0.530	106	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.530	106	mg/L	SW-846 6010B	P
Nickel	0.500	0.550	109	mg/L	SW-846 6010B	P
Potassium	10.0	10.4	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.550	110	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	21.2	106	mg/L	SW-846 6010B	P
Strontium	0.500	0.550	110	mg/L	SW-846 6010B	P
Thallium	0.500	0.540	108	mg/L	SW-846 6010B	P
Tin	0.500	0.550	110	mg/L	SW-846 6010B	P
Titanium	0.500	0.520	105	mg/L	SW-846 6010B	P
Vanadium	0.500	0.530	106	mg/L	SW-846 6010B	P
Zinc	0.500	0.540	108	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	103	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.: 206080431

Calibration Source: 160-52-9 CPI Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 08/08/06 Time: 1438

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00518	104	mg/L	SW-846 7470A	AV

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

001369

167830

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 08/08/06 Time: 1441

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00510	102	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

001370

167831

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 08/08/06 Time: 1536

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00513	103	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

001371

167832

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 08/08/06 Time: 1556

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00513	103	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

001372

167833

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 08/08/06 Time: 1616

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00518	104	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 08/08/06 Time: 1631

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00520	104	mg/L	SW-846 7470A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-9 CPI Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 08/08/06 Time: 1647

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00496	99	mg/L	SW-846 7471A	AV

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

001375

167836

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 08/08/06 Time: 1650

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00495	99	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

001376

167837

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 08/08/06 Time: 1710

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00487	97	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.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 08/08/06 Time: 1730

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00493	99	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Calibration Source: 160-52-8 EXAXOL Instrument ID: FIMS1 ICAL ID: 2

Date Analyzed: 08/08/06 Time: 1748

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00493	99	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.: 206080431

Lab Sample ID: ICB ICAL ID: 3

Lab Sample DESC: ICB FOR HBN 329771 [ICP/3810] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6 Date Analyzed: 08/08/06 Time: 1327

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00079	B	mg/L	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 08/08/06 Time: 1406

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00076	B	mg/L	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: 397829 ICAL ID: 3

Lab Sample DESC: MB397829 Preparation Blank Matrix: (soil / water) Water

Instrument ID: ICP6 Date Analyzed: 08/08/06 Time: 1432

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.013	1.00	SW-846 6010B	P
Cadmium	0.00026	B	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.026	0.10	SW-846 6010B	P
Lead	0.0017	B	mg/L	0.0012	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.0013	B	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.0027	B	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 08/08/06 Time: 1549

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.0042	B	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.035	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.0055	B	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

001383

167844

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 08/08/06 Time: 1714

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.0053	B	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.033	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.0079	B	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

001384

167845

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6 Date Analyzed: 08/08/06 Time: 1836

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.0038	B	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.029	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.0054	B	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

001385

167846

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6 Date Analyzed: 08/08/06 Time: 1956

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.0039	B	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.045	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.0060	B	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6 Date Analyzed: 08/08/06 Time: 2117

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.0029	B	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.021	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.0070	B	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 3

Lab Sample DESC: CCB FOR HBN 329771 [ICP/3810] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6 Date Analyzed: 08/08/06 Time: 2239

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.0026	B	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.021	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.0013	B	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.0091	B	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: ICB ICAL ID: 4

Lab Sample DESC: ICB FOR HBN 329836 [ICP/3811] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 0938

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.0063	B	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.068	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.0023	B	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

001389

167850

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 4

Lab Sample DESC: CCB FOR HBN 329836 [ICP/3811] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 1025

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.044	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.00059	B	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431
Lab Sample ID: CCB
ICAL ID: 4
Lab Sample DESC: CCB FOR HBN 329836 [ICP/3811]
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP5
Date Analyzed: 08/09/06 Time: 1211

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.025	B	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.040	U	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.043	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0020	B	mg/L	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.0055	B	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

001391

167852

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 4

Lab Sample DESC: CCB FOR HBN 329836 [ICP/3811] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 1246

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.036	B	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.0098	B	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.048	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 4

Lab Sample DESC: CCB FOR HBN 329836 [ICP/3811] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 1402

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.034	B	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.011	B	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.050	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.0015	B	mg/L	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 4

Lab Sample DESC: CCB FOR HBN 329836 [ICP/3811] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 1541

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.0064	B	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.046	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.0013	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	0.0020	B	mg/L	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

001394

167855

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: 397835 ICAL ID: 4

Lab Sample DESC: MB397835 Preparation Blank Matrix: (soil / water) Soil

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 1552

PREPARATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	1.45	B	mg/kg	0.72	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	0.13	B	mg/kg	0.016	0.40	SW-846 6010B	P
Beryllium	0.20	U	mg/kg	0.0030	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	0.016	0.20	SW-846 6010B	P
Chromium	0.40	U	mg/kg	0.041	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	0.057	0.40	SW-846 6010B	P
Iron	1.04	B	mg/kg	0.92	4.00	SW-846 6010B	P
Lead	0.60	U	mg/kg	0.065	0.60	SW-846 6010B	P
Lithium	2.00	U	mg/kg	0.14	2.00	SW-846 6010B	P
Manganese	0.60	U	mg/kg	0.029	0.60	SW-846 6010B	P
Molybdenum	1.20	U	mg/kg	0.062	1.20	SW-846 6010B	P
Nickel	1.60	U	mg/kg	0.059	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	0.077	0.80	SW-846 6010B	P
Tin	0.51	B	mg/kg	0.45	4.00	SW-846 6010B	P
Titanium	0.015	B	mg/kg	0.013	4.00	SW-846 6010B	P
Vanadium	0.074	B	mg/kg	0.014	0.80	SW-846 6010B	P
Zinc	0.43	B	mg/kg	0.18	0.80	SW-846 6010B	P

BLANKS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Lab Sample ID: CCB ICAL ID: 4

Lab Sample DESC: CCB FOR HBN 329836 [ICP/3811] Preparation Blank Matrix: (soil / water)

Instrument ID: ICP5 Date Analyzed: 08/09/06 Time: 1723

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.023	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0025	0.060	SW-846 6010B	P
Arsenic	0.0047	B	mg/L	0.0030	0.040	SW-846 6010B	P
Barium	0.010	U	mg/L	0.00040	0.010	SW-846 6010B	P
Beryllium	0.0050	U	mg/L	0.00010	0.0050	SW-846 6010B	P
Boron	0.039	B	mg/L	0.012	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00020	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.00090	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00050	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0030	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.025	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0012	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	0.0018	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00060	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0045	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	0.00090	0.050	SW-846 6010B	P
Thallium	0.0030	B	mg/L	0.0013	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	0.0013	B	mg/L	0.00070	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0024	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: ICB
ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 329699 [HG/2990]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1439

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

001397

167858

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 329699 [HG/2990]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1442

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

001398

167859

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 329699 [HG/2990]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1538

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 329699 [HG/2990]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1558

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

001400

167861

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: 397831
ICAL ID: 1

Lab Sample DESC: MB397831
Preparation Blank Matrix: (soil / water) Water

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1603

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 329699 [HG/2990]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1618

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 329699 [HG/2990]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1632

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.00005	0.00020	SW-846 7470A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: ICB
ICAL ID: 2

Lab Sample DESC: ICB FOR HBN 329715 [HG/2991]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1649

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000050	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 329715 [HG/2991]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1652

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000050	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: 397837
ICAL ID: 2

Lab Sample DESC: MB397837
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1654

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.010	U	mg/kg	0.0020	0.010	SW-846 7471A	AV

001406

167867

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 329715 [HG/2991]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1712

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000050	0.00020	SW-846 7471A	AV

001407

167868

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 329715 [HG/2991]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1732

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000050	0.00020	SW-846 7471A	AV

001408

167869

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206080431

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 329715 [HG/2991]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 08/08/06 Time: 1750

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000050	0.00020	SW-846 7471A	AV

001409

167870

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

ICP ID Number: ICP6 ICS Source: 160-52-3 SPEX~160-57-4 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	213	203	102			
Antimony	0	1.00		1.04	104			
Arsenic	0	1.00		0.99	99			
Barium	0	0.50		0.52	104			
Beryllium	0	0.50		0.51	102			
Boron	0	1.00		1.03	103			
Cadmium	0	1.00		0.98	98			
Calcium	200	200	206	193	96			
Chromium	0	0.50		0.50	100			
Cobalt	0	0.50		0.49	98			
Copper	0	0.50		0.52	104			
Iron	80.0	80.0	81.5	77.1	96			
Lead	0	1.00		0.98	98			
Magnesium	200	200	209	198	99			
Manganese	0	0.50		0.50	100			
Molybdenum	0	1.00		1.00	100			
Nickel	0	1.00		0.96	96			
Selenium	0	1.00		1.00	100			
Silver	0	1.00		1.05	105			
Thallium	0	1.00		1.07	107			
Vanadium	0	0.50		0.50	100			
Zinc	0	1.00		0.98	98			

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

ICP ID Number: ICP5 ICS Source: 160-58-4 SPEX~160-57-4 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	207	209	104			
Antimony	0	1.00		1.03	103			
Arsenic	0	1.00		0.97	97			
Barium	0	0.50		0.52	104			
Beryllium	0	0.50		0.52	104			
Boron	0	1.00		1.01	101			
Cadmium	0	1.00		0.99	99			
Calcium	200	200	205	203	102			
Chromium	0	0.50		0.50	100			
Cobalt	0	0.50		0.46	92			
Copper	0	0.50		0.51	102			
Iron	80.0	80.0	79.7	81.5	102			
Lead	0	1.00		0.97	97			
Magnesium	200	200	200	203	102			
Manganese	0	0.50		0.51	102			
Molybdenum	0	1.00		0.99	99			
Nickel	0	1.00		0.94	94			
Selenium	0	1.00		1.06	106			
Silver	0	1.00		1.10	110			
Thallium	0	1.00		1.04	104			
Vanadium	0	0.50		0.52	104			
Zinc	0	1.00		1.02	102			

001411

167872

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix Spike - EPA Sample No: FWPSW01-001 Method SW-846 6010B

SAMPLE NO. : 20608042802

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Aluminum	mg/L	5	0	5.17	103		75 - 125
Antimony	mg/L	.5	.012	.54	106		75 - 125
Arsenic	mg/L	.5	0	.48	95		75 - 125
Barium	mg/L	.5	.12	.6	97		75 - 125
Beryllium	mg/L	.5	0	.47	95		75 - 125
Boron	mg/L	2.5	3.17	5.8	105		75 - 125
Cadmium	mg/L	.5	0	.47	93		75 - 125
Chromium	mg/L	.5	.077	.54	93		75 - 125
Cobalt	mg/L	.5	0	.46	93		75 - 125
Copper	mg/L	.5	0	.55	110		75 - 125
Iron	mg/L	5	.067	4.89	96		75 - 125
Lead	mg/L	.5	0	.46	92		75 - 125
Lithium	mg/L	.5	.21	.92	143	N	75 - 125
Manganese	mg/L	.5	.066	.55	96		75 - 125
Mercury	mg/L	.005	0	.00406	81		75 - 125
Molybdenum	mg/L	.5	0	.49	98		75 - 125
Nickel	mg/L	.5	0	.46	92		75 - 125
Selenium	mg/L	.5	0	.52	104		75 - 125
Silver	mg/L	.5	.0027	.55	110		75 - 125
Strontium	mg/L	.5	6.74	7.25	103		75 - 125
Thallium	mg/L	.5	0	.46	93		75 - 125
Tin	mg/L	.5	0	.46	91		75 - 125
Titanium	mg/L	.5	0	.48	96		75 - 125
Vanadium	mg/L	.5	.0032	.5	99		75 - 125
Zinc	mg/L	.5	0	.47	94		75 - 125

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

* Values outside of QC limits

RPD : 0 out of 24 outside limits

Spike Recovery: 2 out of 49 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix Spike - EPA Sample No: FWPSW01-001 Method SW-846 6010B

SAMPLE NO. : 20608042803

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
Aluminum	mg/L	5	5.18	103		.2		75 - 125	0 - 20
Antimony	mg/L	.5	.55	107		2		75 - 125	0 - 20
Arsenic	mg/L	.5	.49	98		2		75 - 125	0 - 20
Barium	mg/L	.5	.61	98		2		75 - 125	0 - 20
Beryllium	mg/L	.5	.48	96		2		75 - 125	0 - 20
Boron	mg/L	2.5	5.89	109		2		75 - 125	0 - 20
Cadmium	mg/L	.5	.47	94		0		75 - 125	0 - 20
Chromium	mg/L	.5	.55	94		2		75 - 125	0 - 20
Cobalt	mg/L	.5	.47	94		2		75 - 125	0 - 20
Copper	mg/L	.5	.56	111		2		75 - 125	0 - 20
Iron	mg/L	5	4.94	97		1		75 - 125	0 - 20
Lead	mg/L	.5	.47	93		2		75 - 125	0 - 20
Lithium	mg/L	.5	.95	149	N	3		75 - 125	0 - 20
Manganese	mg/L	.5	.55	98		0		75 - 125	0 - 20
Mercury	mg/L	.005	.00386	77		5		75 - 125	0 - 20
Molybdenum	mg/L	.5	.5	99		2		75 - 125	0 - 20
Nickel	mg/L	.5	.47	93		2		75 - 125	0 - 20
Selenium	mg/L	.5	.54	107		4		75 - 125	0 - 20
Silver	mg/L	.5	.56	112		2		75 - 125	0 - 20
Strontium	mg/L	.5	7.27	107		.3		75 - 125	0 - 20
Thallium	mg/L	.5	.47	94		2		75 - 125	0 - 20
Tin	mg/L	.5	.46	92		0		75 - 125	0 - 20
Titanium	mg/L	.5	.49	97		2		75 - 125	0 - 20
Vanadium	mg/L	.5	.5	100		0		75 - 125	0 - 20
Zinc	mg/L	.5	.48	95		2		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: 2 out of 50 outside limits

167874

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix Spike - EPA Sample No: FWPSE01-001-(0-0.5) Method SW-846 6010B

SAMPLE NO. : 20608043102

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Aluminum	mg/kg	345	7990	11000	866	N	75 - 125
Antimony	mg/kg	34.5	0	8.39	24	N	75 - 125
Arsenic	mg/kg	34.5	0	35.3	102		75 - 125
Barium	mg/kg	34.5	108	140	93		75 - 125
Beryllium	mg/kg	34.5	.58	36.8	105		75 - 125
Boron	mg/kg	172	11	164	89		75 - 125
Cadmium	mg/kg	34.5	.23	35.7	103		75 - 125
Chromium	mg/kg	34.5	8.29	45.3	107		75 - 125
Cobalt	mg/kg	34.5	5.19	40	101		75 - 125
Copper	mg/kg	34.5	8.33	44.2	104		75 - 125
Iron	mg/kg	345	11300	13100	523	N	75 - 125
Lead	mg/kg	34.5	10.6	45.9	102		75 - 125
Lithium	mg/kg	34.5	13.5	50.8	108		75 - 125
Manganese	mg/kg	34.5	423	475	149	N	75 - 125
Mercury	mg/kg	.43	0	.42	98		75 - 125
Molybdenum	mg/kg	34.5	0	29.3	85		75 - 125
Nickel	mg/kg	34.5	12.3	48.1	104		75 - 125
Selenium	mg/kg	34.5	0	34.9	101		75 - 125
Silver	mg/kg	34.5	0	32.6	95		75 - 125
Strontium	mg/kg	34.5	63.3	104	117		75 - 125
Thallium	mg/kg	34.5	0	33.1	96		75 - 125
Tin	mg/kg	34.5	0	37.2	108		75 - 125
Titanium	mg/kg	34.5	37.8	60	64	N	75 - 125
Vanadium	mg/kg	34.5	16.8	54	108		75 - 125
Zinc	mg/kg	34.5	38.2	77.4	114		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: 10 out of 50 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Matrix Spike - EPA Sample No: FWPSE01-001-(0-0.5) Method SW-846 6010B

SAMPLE NO. : 20608043103

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
Aluminum	mg/kg	345	11100	910	N	1		75 - 125	0 - 20
Antimony	mg/kg	34.5	8.94	26	N	6		75 - 125	0 - 20
Arsenic	mg/kg	34.5	34.7	101		2		75 - 125	0 - 20
Barium	mg/kg	34.5	142	99		1		75 - 125	0 - 20
Beryllium	mg/kg	34.5	36.7	105		.5		75 - 125	0 - 20
Boron	mg/kg	172	165	89		.5		75 - 125	0 - 20
Cadmium	mg/kg	34.5	35.6	103		0		75 - 125	0 - 20
Chromium	mg/kg	34.5	45.3	107		0		75 - 125	0 - 20
Cobalt	mg/kg	34.5	39.7	100		.9		75 - 125	0 - 20
Copper	mg/kg	34.5	43.8	103		.8		75 - 125	0 - 20
Iron	mg/kg	345	13500	654	N	3		75 - 125	0 - 20
Lead	mg/kg	34.5	45.4	101		1		75 - 125	0 - 20
Lithium	mg/kg	34.5	49.2	104		3		75 - 125	0 - 20
Manganese	mg/kg	34.5	473	143	N	.7		75 - 125	0 - 20
Mercury	mg/kg	.43	.42	97		4		75 - 125	0 - 20
Molybdenum	mg/kg	34.5	29	84		1		75 - 125	0 - 20
Nickel	mg/kg	34.5	48.4	105		.7		75 - 125	0 - 20
Selenium	mg/kg	34.5	35.2	102		.5		75 - 125	0 - 20
Silver	mg/kg	34.5	32.6	94		0		75 - 125	0 - 20
Strontium	mg/kg	34.5	103	114		1		75 - 125	0 - 20
Thallium	mg/kg	34.5	32.6	95		2		75 - 125	0 - 20
Tin	mg/kg	34.5	36.8	107		.9		75 - 125	0 - 20
Titanium	mg/kg	34.5	58.3	59	N	3		75 - 125	0 - 20
Vanadium	mg/kg	34.5	53.8	107		.3		75 - 125	0 - 20
Zinc	mg/kg	34.5	77.6	114		.2		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: 10 out of 50 outside limits

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: FWPSE01-001-(0-0.5)PDS

Lab Code: LA024 Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 206080431

Level: (low / med)
Lab Sample ID: 398760

Orig Lab Sample ID: 20608043101

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	9000		7990		345	292	N	mg/kg	SW-846 6010B	P
Antimony	75	125	32.6		0	U	34.5	95		mg/kg	SW-846 6010B	P
Arsenic	75	125	36.5		0	U	34.5	106		mg/kg	SW-846 6010B	P
Barium	75	125	144		108		34.5	105		mg/kg	SW-846 6010B	P
Beryllium	75	125	36.2		.58		34.5	103		mg/kg	SW-846 6010B	P
Boron	75	125	189		11		172	103		mg/kg	SW-846 6010B	P
Cadmium	75	125	34.9		.23	B	34.5	101		mg/kg	SW-846 6010B	P
Chromium	75	125	43.5		8.29		34.5	102		mg/kg	SW-846 6010B	P
Cobalt	75	125	39.2		5.19		34.5	99		mg/kg	SW-846 6010B	P
Copper	75	125	43.4		8.33		34.5	102		mg/kg	SW-846 6010B	P
Iron	75	125	11500		11300		345	79		mg/kg	SW-846 6010B	P
Lead	75	125	44.6		10.6		34.5	99		mg/kg	SW-846 6010B	P
Lithium	75	125	49.2		13.5		34.5	104		mg/kg	SW-846 6010B	P
Manganese	75	125	458		423		34.5	101		mg/kg	SW-846 6010B	P
Molybdenum	75	125	33.7		0	U	34.5	98		mg/kg	SW-846 6010B	P
Nickel	75	125	46.6		12.3		34.5	100		mg/kg	SW-846 6010B	P
Selenium	75	125	36.3		0	U	34.5	105		mg/kg	SW-846 6010B	P
Silver	75	125	31.1		0	U	34.5	90		mg/kg	SW-846 6010B	P
Strontium	75	125	101		63.3		34.5	109		mg/kg	SW-846 6010B	P
Thallium	75	125	31.9		0	U	34.5	92		mg/kg	SW-846 6010B	P
Tin	75	125	35.4		0	U	34.5	103		mg/kg	SW-846 6010B	P
Titanium	75	125	104		37.8		34.5	191	N	mg/kg	SW-846 6010B	P
Vanadium	75	125	53.8		16.8		34.5	107		mg/kg	SW-846 6010B	P
Zinc	75	125	74.1		38.2		34.5	104		mg/kg	SW-846 6010B	P

001416

167877

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: FWPSW01-001PDS
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 206080431
Level: (low / med)
Lab Sample ID: 398865
Orig Lab Sample ID: 20608042801

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	10.1		0	U	10	101		mg/L	SW-846 6010B	P
Antimony	75	125	1.05		.012	B	1	104		mg/L	SW-846 6010B	P
Arsenic	75	125	.98		0	U	1	98		mg/L	SW-846 6010B	P
Barium	75	125	1.06		.12		1	94		mg/L	SW-846 6010B	P
Beryllium	75	125	.92		0	U	1	92		mg/L	SW-846 6010B	P
Boron	75	125	8.22		3.17		5	101		mg/L	SW-846 6010B	P
Cadmium	75	125	.91		0	U	1	91		mg/L	SW-846 6010B	P
Chromium	75	125	.98		.077		1	91		mg/L	SW-846 6010B	P
Cobalt	75	125	.91		0	U	1	91		mg/L	SW-846 6010B	P
Copper	75	125	1.08		0	U	1	108		mg/L	SW-846 6010B	P
Iron	75	125	9.58		.067	B	10	95		mg/L	SW-846 6010B	P
Lead	75	125	.9		0	U	1	90		mg/L	SW-846 6010B	P
Lithium	75	125	1.64		.21		1	144	N	mg/L	SW-846 6010B	P
Manganese	75	125	1.01		.066		1	94		mg/L	SW-846 6010B	P
Molybdenum	75	125	.95		0	U	1	95		mg/L	SW-846 6010B	P
Nickel	75	125	.9		0	U	1	90		mg/L	SW-846 6010B	P
Selenium	75	125	1.06		0	U	1	106		mg/L	SW-846 6010B	P
Silver	75	125	1.08		.0027	B	1	108		mg/L	SW-846 6010B	P
Strontium	75	125	7.68		6.74		1	94		mg/L	SW-846 6010B	P
Thallium	75	125	.91		0	U	1	91		mg/L	SW-846 6010B	P
Tin	75	125	.9		0	U	1	90		mg/L	SW-846 6010B	P
Titanium	75	125	.94		0	U	1	94		mg/L	SW-846 6010B	P
Vanadium	75	125	.97		.0032	B	1	96		mg/L	SW-846 6010B	P
Zinc	75	125	.96		0	U	1	96		mg/L	SW-846 6010B	P

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS397830
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 206080431
Lab Sample ID: 397830
LCS Source: 334-58-12 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	5.00	4.71	94	80	120	mg/L	SW-846 6010B	P
Antimony	0.50	0.47	95	80	120	mg/L	SW-846 6010B	P
Arsenic	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Barium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Beryllium	0.50	0.47	95	80	120	mg/L	SW-846 6010B	P
Boron	2.50	2.36	95	80	120	mg/L	SW-846 6010B	P
Cadmium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Chromium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Cobalt	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Copper	0.50	0.47	94	80	120	mg/L	SW-846 6010B	P
Iron	5.00	4.64	93	80	120	mg/L	SW-846 6010B	P
Lead	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Lithium	0.50	0.47	94	80	120	mg/L	SW-846 6010B	P
Manganese	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Molybdenum	0.50	0.48	95	80	120	mg/L	SW-846 6010B	P
Nickel	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Selenium	0.50	0.49	98	80	120	mg/L	SW-846 6010B	P
Silver	0.50	0.48	95	80	120	mg/L	SW-846 6010B	P
Strontium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Thallium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Tin	0.50	0.47	95	80	120	mg/L	SW-846 6010B	P
Titanium	0.50	0.48	96	80	120	mg/L	SW-846 6010B	P
Vanadium	0.50	0.48	95	80	120	mg/L	SW-846 6010B	P
Zinc	0.50	0.47	94	80	120	mg/L	SW-846 6010B	P

FORM VII - IN

LABORATORY CONTROL SAMPLE

Lab Name: GCAL Sample ID: LCS397836

Lab Code: LA024 Case No.: Contract:

Matrix: (soil / water) Soil SAS No.: SDG No.: 206080431

Lab Sample ID: 397836 LCS Source: 334-58-12 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	200	200	100	80	120	mg/kg	SW-846 6010B	P
Antimony	20.0	21.2	106	80	120	mg/kg	SW-846 6010B	P
Arsenic	20.0	21.4	107	80	120	mg/kg	SW-846 6010B	P
Barium	20.0	20.9	104	80	120	mg/kg	SW-846 6010B	P
Beryllium	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Boron	100	102	102	80	120	mg/kg	SW-846 6010B	P
Cadmium	20.0	21.3	106	80	120	mg/kg	SW-846 6010B	P
Chromium	20.0	20.8	104	80	120	mg/kg	SW-846 6010B	P
Cobalt	20.0	21.4	107	80	120	mg/kg	SW-846 6010B	P
Copper	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Iron	200	203	102	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	20.4	102	80	120	mg/kg	SW-846 6010B	P
Manganese	20.0	20.7	104	80	120	mg/kg	SW-846 6010B	P
Molybdenum	20.0	20.8	104	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	21.7	108	80	120	mg/kg	SW-846 6010B	P
Silver	20.0	19.7	99	80	120	mg/kg	SW-846 6010B	P
Strontium	20.0	20.7	104	80	120	mg/kg	SW-846 6010B	P
Thallium	20.0	21.1	106	80	120	mg/kg	SW-846 6010B	P
Tin	20.0	22.6	113	80	120	mg/kg	SW-846 6010B	P
Titanium	20.0	20.5	102	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	21.2	106	80	120	mg/kg	SW-846 6010B	P

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS397832
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Water
SAS No.:
SDG No.: 206080431
Lab Sample ID: 397832
LCS Source: 160-52-8 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.00500	0.00510	102	80	120	mg/L	SW-846 7470A	AV

FORM VII - IN

001420

167881

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS397838
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 206080431
Lab Sample ID: 397838
LCS Source: 160-52-8 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.25	0.24	98	80	120	mg/kg	SW-846 7471A	AV

FORM VII - IN

001421

167882

METHOD DETECTION LIMITS

Lab Name: GCAL
Sample ID:
Lab Code: LA024
SDG No.: 206080431
Study Date: (P) 09/30/05, 3/29/06 (AV)10/07/05
Instrument ID: (P) ICP5;ICP6 (AV) FIMS1

Analyte	*MDL*	*Units*	*Type*
Aluminium	0.0230	mg/L	P
Antimony	0.0025	mg/L	P
Arsenic	0.0030	mg/L	P
Barium	0.0004	mg/L	P
Beryllium	0.0001	mg/L	P
Boron	0.0130	mg/L	P
Cadmium	0.0002	mg/L	P
Calcium	0.0120	mg/L	P
Chromium	0.0009	mg/L	P
Cobalt	0.0005	mg/L	P
Copper	0.0030	mg/L	P
Iron	0.0260	mg/L	P
Lead	0.0012	mg/L	P
Lithium	0.0035	mg/L	P
Magnesium	0.0230	mg/L	P
Manganese	0.0006	mg/L	P
Mercury	0.00005	mg/L	AV
Molybdenum	0.0018	mg/L	P
Nickel	0.0006	mg/L	P
Potassium	0.0300	mg/L	P
Selenium	0.0045	mg/L	P
Silicon	0.0169	mg/L	P
Silver	0.0006	mg/L	P
Sodium	0.0420	mg/L	P
Strontium	0.0009	mg/L	P
Thallium	0.0013	mg/L	P
Tin	0.0062	mg/L	P
Titanium	0.0005	mg/L	P
Vanadium	0.0007	mg/L	P
Zinc	0.0024	mg/L	P
Zirconium	0.0005	mg/L	P

001422

167883

METHOD DETECTION LIMITS

Lab Name: GCAL

Lab Code: LA024 SDG No.: 206072601

Study Date: (P) 09/30/05;03/29/06 (AV) 10/07/05 Instrument ID: (P)ICP5;ICP6 (AV) FIMS1

Analyte	*MDL*	*Units*	*Type*
Aluminium	0.72	mg/kg	P
Antimony	0.19	mg/kg	P
Arsenic	0.16	mg/kg	P
Barium	0.016	mg/kg	P
Beryllium	0.003	mg/kg	P
Boron	0.940	mg/kg	P
Cadmium	0.016	mg/kg	P
Calcium	1.67	mg/kg	P
Chromium	0.041	mg/kg	P
Cobalt	0.022	mg/kg	P
Copper	0.057	mg/kg	P
Iron	0.92	mg/kg	P
Lead	0.065	mg/kg	P
Lithium	0.141	mg/kg	P
Magnesium	0.58	mg/kg	P
Manganese	0.029	mg/kg	P
Mercury	0.0020	mg/kg	AV
Molybdenum	0.062	mg/kg	P
Nickel	0.059	mg/kg	P
Potassium	2.68	mg/kg	P
Selenium	0.42	mg/kg	P
Silicon	1.695	mg/kg	P
Silver	0.047	mg/kg	P
Sodium	1.71	mg/kg	P
Strontium	0.022	mg/kg	P
Thallium	0.077	mg/kg	P
Tin	0.45	mg/kg	P
Titanium	0.013	mg/kg	P
Vanadium	0.014	mg/kg	P
Zinc	0.18	mg/kg	P
Zirconium	0.019	mg/kg	P

001423

167884

IEC File Name: 2060720 IEC

IEC File Last Saved: 7/22/2006 8:51:04 AM
Printed On: 7/22/2006 8:51:24 AM

ICP5

Results Data Set Name: 2060720 IEC-LR
Method Name: ICP5Combine
Results Library: C:\pe\localbox\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	0.00548345	0.0140402	0.467958
2	Antimony,7440-36-0	-0.0297873	-0.00942748	-20.3883	0.294378
5	Arsenic,7440-38-2	-0.0822485	0.0290038	1.32011	0.0423213
6	Barium,7440-39-3	0	-0.00181527	0.0228916	0.125634
7	Beryllium,7440-41-7	0	-0.00101549	-0.0537058	0.275995
8	Boron,7440-42-8	0.00233615	-0.00839843	-0.324097	-0.0768389
9	Cadmium,7440-43-9	-0.00423295	0.0014263	0.163994	0.717545
10	Calcium,7440-70-2	-0.0293574	n/a	-4.00445	-0.528509
11	Chromium,7440-47-3	-0.00998739	0	n/a	0.123742
12	Cobalt,7440-48-4	0	0	0.123796	1.48597
13	Copper,7440-50-8	-0.00789302	0.0019953	-1.79522	n/a
14	Iron,7439-89-6	-0.0073241	0.0202345	-0.0480133	-0.24558
15	Lead,7439-92-1	0.0158444	-0.00505065	0.0149569	0.320734
16	Lithium,7439-93-2	0	0.0015937	0.0345935	0.0349258
17	Magnesium,7439-95-4	0	-0.0242654	-0.0185253	0.249568
18	Manganese,7439-96-5	-0.00270973	0	-0.0393801	-0.0236875
19	Molybdenum,7439-98-7	0.0148834	0	-0.00938084	0.103216
20	Nickel,7440-02-0	-0.00192353	0.00119157	-0.0155137	0.0396643
21	Potassium,7440-09-7	0.0751794	0.128741	0.898311	0.551484
23	Selenium,7782-49-2	-0.185178	0.00953592	-0.0673573	0.0171444
24	Silicon,7440-21-3	-0.00406269	-0.00326303	-0.00784685	0.1916
25	Silver,7440-22-4	0	0	0.0195184	0.0160752
26	Sodium,7440-23-5	0.318245	0.305412	5.84133	5.58478
27	Strontium,7440-24-6	0	-0.00143962	-0.00346336	0.0112508
28	Thallium,7440-28-0	-0.0064642	0.00198799	-0.00297433	0.0412154
29	Tin,7440-31-5	0.0318583	-0.0126201	0.00312424	0.0320475
30	Titanium,7440-32-6	0	0	0.00403708	0.0374534
31	Vanadium,7440-62-2	0	0	-0.176039	0.0890597
34	Zinc,7440-66-6	-0.00207533	-0.00748571	0	1.37483
35	Zirconium,7440-67-7	0	0	0.0531474	0.0682073

001424

167885

IEC File Name: 2060720 IEC

IEC File Last Saved: 7/22/2006 8:51:04 AM
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Results Data Set Name: 2060720 IEC-LR
Method Name: ICP5Combine
Results Library: C:\pe\localbox\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**	0.0348637	0.00256935	-0.865306	0.146562
2	**Antimony,7440-36-0**	-0.00279044	-0.00674428	-0.0347678	-1.32883
5	**Arsenic,7440-38-2**	-0.220477	0	0.109655	0.0569313
6	**Barium,7440-39-3**	0.0015152	0	-0.0289949	-0.0477877
7	**Beryllium,7440-41-7**	0.00187636	0	-0.0275918	-0.00678599
8	**Boron,7440-42-8**	0.907819	-0.00616364	-0.948121	-0.28199
9	**Cadmium,7440-43-9**	0.00977907	0.00237081	0.109541	0.111803
10	**Calcium,7440-70-2**	-0.225036	-0.0797314	-1.37985	-1.10176
11	**Chromium,7440-47-3**	0.254364	-0.0244732	-0.5741	-0.0181133
12	**Cobalt,7440-48-4**	0.00266732	0.00180423	-0.00534447	-0.00593406
13	**Copper,7440-50-8**	-0.00505201	0.0145394	-0.46046	-0.208905
14	**Iron,7439-89-6**	n/a	0.0562546	-1.38811	-0.468307
15	**Lead,7439-92-1**	-0.22113	0	-0.00775782	0.0676198
16	**Lithium,7439-93-2**	0.0045427	0.00616615	0.0800647	0.0413484
17	**Magnesium,7439-95-4**	0.297862	n/a	-1.83706	-0.308836
18	**Manganese,7439-96-5**	0.00134066	0.00469144	n/a	-0.252357
19	**Molybdenum,7439-98-7**	-0.00810639	0.00148966	-0.159947	-0.0253
20	**Nickel,7440-02-0**	0.00543358	0	0.0762634	n/a
21	**Potassium,7440-09-7**	0.0790244	0.202826	1.52634	0.791086
23	**Selenium,7782-49-2**	-0.24972	0.00395101	-0.246144	0.0915507
24	**Silicon,7440-21-3**	-0.0498743	0.0303544	0.350302	0.398626
25	**Silver,7440-22-4**	-0.0718448	0	0.045833	0.043046
26	**Sodium,7440-23-5**	0.707751	0.553244	16.773	10.9288
27	**Strontium,7440-24-6**	0	0	-0.0167411	-0.00823079
28	**Thallium,7440-28-0**	-0.0215424	-0.0263237	0.426537	-0.160947
29	**Tin,7440-31-5**	0.0109481	-0.00193087	-0.0679598	-0.00482632
30	**Titanium,7440-32-6**	0.00124312	0	-0.00240006	0.00433724
31	**Vanadium,7440-62-2**	-0.00200416	0.00106528	0.0693232	0.0545458
34	**Zinc,7440-66-6**	-0.0135579	-0.00109496	-0.106017	-1.20605
35	**Zirconium,7440-67-7**	0.0161767	0	-0.00343073	0.0135803

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167886

IEC File Last Saved: 7/22/2006 8:51:04 AM
Printed On: 7/22/2006 8:51:24 AM

Results Data Set Name: 2060720 IEC-LR
Method Name: ICP5Combine
Results Library: C:\pe\localbox\Results\Results.md

Interfering Analytes

	Analytes	Titanium,7440-32-6	Vanadium,7440-62-2
1	**Aluminum,7429-90-5**	-0.913192	-7.27364
2	**Antimony,7440-36-0**	-0.987617	4.24828
5	**Arsenic,7440-38-2**	0.0857296	1.39838
6	**Barium,7440-39-3**	-0.0350341	1.46432
7	**Beryllium,7440-41-7**	0.608807	0.0174187
8	**Boron,7440-42-8**	-0.811576	0.293467
9	**Cadmium,7440-43-9**	0.0370052	0.00589941
10	**Calcium,7440-70-2**	-1.3399	-0.199049
11	**Chromium,7440-47-3**	-0.0159225	-0.198548
12	**Cobalt,7440-48-4**	-0.0147297	-0.00417886
13	**Copper,7440-50-8**	-0.167661	-0.0581305
14	**Iron,7439-89-6**	-0.665633	-0.0663697
15	**Lead,7439-92-1**	0.280003	0.0283104
16	**Lithium,7439-93-2**	0.0968304	0.0372762
17	**Magnesium,7439-95-4**	-0.150121	0.0492173
18	**Manganese,7439-96-5**	-0.174652	0.206402
19	**Molybdenum,7439-98-7**	-0.0850585	-0.039384
20	**Nickel,7440-02-0**	-0.475461	-0.0763281
21	**Potassium,7440-09-7**	2.79419	0.325933
23	**Selenium,7782-49-2**	-0.0793552	0.0784027
24	**Silicon,7440-21-3**	0	0.269513
25	**Silver,7440-22-4**	0.0934659	8.26452
26	**Sodium,7440-23-5**	14.6291	5.58007
27	**Strontium,7440-24-6**	-0.00573823	-0.00122225
28	**Thallium,7440-28-0**	-6.90494	-0.62397
29	**Tin,7440-31-5**	-0.411274	-0.0212385
30	**Titanium,7440-32-6**	n/a	-0.0499603
31	**Vanadium,7440-62-2**	0.136598	n/a
34	**Zinc,7440-66-6**	0.284867	-2.5288
35	**Zirconium,7440-67-7**	-2.29187	0.0216368

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167887

IEC File Name: Untitled

IEC File Last Saved: 3/29/2006 2:50:51 PM
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ICP 6

Results Data Set Name: 2060329 IEC
Method Name: ICP
Results Library: C:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Aluminum,7429-90-5	Calcium,7440-70-2	Chromium,7440-47-3	Copper,7440-50-8
	Aluminum,7429-90-5	**n/a**	0.0123308	0.0134981	0.127794
2	**Antimony,7440-36-0**	-0.0204557	-0.00251079	1.76334	-0.012085
5	**Arsenic,7440-38-2**	-0.143701	0.00216482	0.331533	-0.0334821
6	**Barium,7440-39-3**	0.00120626	0.00205679	0.0110499	0.0106558
7	**Beryllium,7440-41-7**	0	0	0	0.0215647
8	**Boron,7440-42-8**	0.0319194	0.00808138	0.604272	0.0922982
9	**Cadmium,7440-43-9**	-0.00362198	0.00024292	0.0129709	0.0314426
10	**Calcium,7440-70-2**	0.0886183	**n/a**	-1.43983	0.409011
11	**Chromium,7440-47-3**	0.133832	0	**n/a**	0.0329311
12	**Cobalt,7440-48-4**	0.00676037	0	0.16936	0.0331008
13	**Copper,7440-50-8**	0	-0.00716585	-0.260146	**n/a**
14	**Iron,7439-89-6**	0.0791171	-0.00567582	0.136325	-0.0476223
15	**Lead,7439-92-1**	-0.0920686	-0.00819015	-0.211171	1.88803
16	**Lithium,7439-93-2**	0	0	-0.00740478	-0.00443044
17	**Magnesium,7439-95-4**	0.0137443	-0.0149077	0.055759	-0.106196
18	**Manganese,7439-96-5**	0.00135592	-0.00277543	-0.021335	-0.0319439
19	**Molybdenum,7439-98-7**	-0.00311178	0.00302317	0.0634645	0.00325547
20	**Nickel,7440-02-0**	0.00414653	0	-0.00409498	0
21	**Potassium,7440-09-7**	-0.00360616	0.143052	1.88501	2.27907
23	**Selenium,7782-49-2**	0.0133439	-0.0189871	-0.00737413	-0.0472364
24	**Silicon,7440-21-3**	0.0104505	0.00103308	-0.0156638	0.0311883
25	**Silver,7440-22-4**	0.0010283	0.00100468	0.0142573	0.0923164
26	**Sodium,7440-23-5**	0.161143	0.00193086	0.400192	0.08656
27	**Strontium,7440-24-6**	0	0.0201778	0.00591594	0.00518558
28	**Thallium,7440-28-0**	-0.0066932	0.00256899	0.172347	0.0329321
	Tin,7440-31-5	0.01872	-0.0251252	-0.0713659	-0.0423653
30	**Titanium,7440-32-6**	0	0	0.00346787	0.00677836
31	**Vanadium,7440-62-2**	-0.00152485	-0.0010204	0.00288791	-0.0167389
34	**Zinc,7440-66-6**	0.00284377	0.0183291	0.396971	1.29517
35	**Zirconium,7440-67-7**	0	-0.00810189	-0.0342691	0.00352669

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167888

IEC File Name: Untitled

IEC File Last Saved: 3/29/2006 2:50:51 PM
Printed On: 3/29/2006 2:50:51 PM

Results Data Set Name: 2060329 IEC
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
	Aluminum,7429-90-5	-0.012566	0.00421436	1.01317	0.171326
2	**Antimony,7440-36-0**	0.0415014	0	0.00316625	-0.0345877
5	**Arsenic,7440-38-2**	-0.184252	0.0167986	-0.0896271	0.0147684
6	**Barium,7440-39-3**	0.0266476	0.00129674	0.0354008	0.0801798
7	**Beryllium,7440-41-7**	-0.00260461	0	0.0997934	0.0128102
8	**Boron,7440-42-8**	-0.72917	0.019737	0.191509	0.0771236
9	**Cadmium,7440-43-9**	0.0455069	0	0.0383372	0.0446128
10	**Calcium,7440-70-2**	0.0134883	0.199012	1.63083	0.841557
11	**Chromium,7440-47-3**	-0.00337423	0.0530803	0.2707	0.021935
12	**Cobalt,7440-48-4**	0.0202631	0	0.0165192	0.214867
13	**Copper,7440-50-8**	-0.0631912	0.00746372	0.494984	0.330251
14	**Iron,7439-89-6**	**n/a**	-0.0799823	-0.319212	-0.275711
15	**Lead,7439-92-1**	0.013658	0.00146183	0.122853	0.21899
16	**Lithium,7439-93-2**	-0.0035988	-0.00402614	-0.0480923	-0.0234478
17	**Magnesium,7439-95-4**	-0.709027	**n/a**	1.90232	-0.29235
18	**Manganese,7439-96-5**	0.00449785	-0.00960538	**n/a**	0.441293
19	**Molybdenum,7439-98-7**	-0.00868101	0	-0.0793559	-0.00258496
20	**Nickel,7440-02-0**	0.00830899	-0.000540748	0.128012	**n/a**
21	**Potassium,7440-09-7**	0.173794	0.267696	1.69637	0.854984
23	**Selenium,7782-49-2**	-0.622758	0.0094916	1.07998	0.0167388
24	**Silicon,7440-21-3**	-0.0909431	0.261636	0.176715	0.0490619
25	**Silver,7440-22-4**	-0.213177	0	0.132355	-0.0473103
26	**Sodium,7440-23-5**	-0.0716131	0.0154946	0.116336	-0.044575
27	**Strontium,7440-24-6**	0.00142855	0	0.00424833	0.0045275
28	**Thallium,7440-28-0**	0.0141249	0.00708253	-2.75299	0.0680736
7	**Tin,7440-31-5**	0.0213734	-0.0156739	-0.166139	-0.10342
30	**Titanium,7440-32-6**	0.00228034	-0.000307449	0.0200502	0.00656746
31	**Vanadium,7440-62-2**	0.0754292	-0.0246588	0.00710775	-0.0229141
34	**Zinc,7440-66-6**	0.102354	0.0290111	0.646518	6.42934
35	**Zirconium,7440-67-7**	0.00350387	-0.000200724	0.106235	-0.00620961

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167889

IEC File Name: Untitled

IEC File Last Saved: 3/29/2006 2:50:51 PM
Printed On: 3/29/2006 2:50:51 PM

Results Data Set Name: 2060329 IEC
Method Name: ICP
Results Library: C:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Titanium,7440-32-6	Vanadium,7440-62-2
1	**Aluminum,7429-90-5**	1.3065	-17.8011
2	**Antimony,7440-36-0**	0.0780827	0.0367952
5	**Arsenic,7440-38-2**	-0.0478749	-2.3834
6	**Barium,7440-39-3**	0.00804636	0.660567
7	**Beryllium,7440-41-7**	0.249735	0.0324753
8	**Boron,7440-42-8**	0.296862	-0.784923
9	**Cadmium,7440-43-9**	0.00406456	-0.00996603
10	**Calcium,7440-70-2**	0.420508	-0.0795221
11	**Chromium,7440-47-3**	0.0612212	-1.33268
12	**Cobalt,7440-48-4**	2.07383	0.0066009
13	**Copper,7440-50-8**	0.312487	0.02792
14	**Iron,7439-89-6**	-0.546182	0.162456
15	**Lead,7439-92-1**	-0.0166799	-0.036804
16	**Lithium,7439-93-2**	-0.0250156	-0.00869345
17	**Magnesium,7439-95-4**	-2.86238	0.196711
18	**Manganese,7439-96-5**	0.0722091	-0.17741
19	**Molybdenum,7439-98-7**	0.0134459	0.110785
20	**Nickel,7440-02-0**	0.264492	0.0341466
21	**Potassium,7440-09-7**	4.27204	0.228776
23	**Selenium,7782-49-2**	0.0269116	-2.02701
24	**Silicon,7440-21-3**	0	0.373856
25	**Silver,7440-22-4**	-0.112919	-0.933985
26	**Sodium,7440-23-5**	-1.83783	-0.363948
27	**Strontium,7440-24-6**	0.00710799	0.00328738
28	**Thallium,7440-28-0**	-5.53189	-3.95685
29	**Tin,7440-31-5**	0.252436	-0.024349
30	**Titanium,7440-32-6**	n/a	0.036677
31	**Vanadium,7440-62-2**	-0.0795672	n/a
34	**Zinc,7440-66-6**	0.0334525	0.0464484
35	**Zirconium,7440-67-7**	0.178183	-0.0101357

001429

167890

ICP LINEAR RANGES

Lab Name: GCAL
Sample ID:
Lab Code: LA024
SDG No.: 206080431
Study Date: 03/27/06
Instrument ID: ICP6

Analyte	*Concentration*	*% Recovery*	*Units*	*Type*
Aluminum	1500	98	mg/L	P
Antimony	40	97	mg/L	P
Arsenic	25	102	mg/L	P
Barium	25	103	mg/L	P
Beryllium	5	97	mg/L	P
Boron	50	96	mg/L	P
Cadmium	25	101	mg/L	P
Calcium	2000	103	mg/L	P
Chromium	120	98	mg/L	P
Cobalt	150	105	mg/L	P
Copper	100	96	mg/L	P
Iron	800	105	mg/L	P
Lead	500	96	mg/L	P
Lithium	20	95	mg/L	P
Magnesium	750	101	mg/L	P
Manganese	35	97	mg/L	P
Molybdenum	100	90	mg/L	P
Nickel	50	96	mg/L	P
Potassium	150	98	mg/L	P
Selenium	15	98	mg/L	P
Silver	20	97	mg/L	P
Sodium	500	95	mg/L	P
Thallium	20	98	mg/L	P
Tin	50	100	mg/L	P
Titanium	40	99	mg/L	P
Vanadium	100	96	mg/L	P
Zinc	20	97	mg/L	P

ICP LINEAR RANGES

Lab Name: GCAL Sample ID:

Lab Code: LA024 SDG No.: 206080431

Study Date: 07/20/06 Instrument ID: ICP5

Analyte	*Concentration*	*% Recovery*	*Units*	*Type*
Aluminum	60000	99	mg/kg	P
Antimony	1200	99	mg/kg	P
Arsenic	1000	95	mg/kg	P
Barium	1000	100	mg/kg	P
Beryllium	200	100	mg/kg	P
Boron	2000	96	mg/kg	P
Cadmium	600	101	mg/kg	P
Calcium	80000	100	mg/kg	P
Chromium	4000	103	mg/kg	P
Cobalt	6000	103	mg/kg	P
Copper	4000	104	mg/kg	P
Iron	32000	104	mg/kg	P
Lead	20000	102	mg/kg	P
Lithium	800	93	mg/kg	P
Magnesium	36000	95	mg/kg	P
Manganese	1400	99	mg/kg	P
Molybdenum	3200	93	mg/kg	P
Nickel	2400	105	mg/kg	P
Potassium	6000	101	mg/kg	P
Selenium	600	98	mg/kg	P
Silver	400	95	mg/kg	P
Sodium	24000	97	mg/kg	P
Thallium	800	103	mg/kg	P
Tin	2000	96	mg/kg	P
Titanium	1600	98	mg/kg	P
Vanadium	4000	97	mg/kg	P
Zinc	600	96	mg/kg	P

001431

167892

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: FWPSE01-001-(0-0.5)SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 206080431

Level: (low / med)
Org Lab Sample ID: 20608043101

Lab Sample ID: 398761

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum	0	10	7990		8680		8.6		mg/kg	SW-846 6010B	P
Antimony			0	U	0	U			mg/kg	SW-846 6010B	P
Arsenic			0	U	1.97	B			mg/kg	SW-846 6010B	P
Barium	0	10	108		116		7.4		mg/kg	SW-846 6010B	P
Beryllium	0	10	0.58		0.60	B	3.4		mg/kg	SW-846 6010B	P
Boron			11.0		31.0	B	182		mg/kg	SW-846 6010B	P
Cadmium			0.23	B	0.17	B	26.1		mg/kg	SW-846 6010B	P
Chromium	0	10	8.29		9.32		12.4	E	mg/kg	SW-846 6010B	P
Cobalt	0	10	5.19		5.62		8.3		mg/kg	SW-846 6010B	P
Copper	0	10	8.33		8.04		3.5		mg/kg	SW-846 6010B	P
Iron	0	10	11300		11900		5.3		mg/kg	SW-846 6010B	P
Lead	0	10	10.6		10.8		1.9		mg/kg	SW-846 6010B	P
Lithium	0	10	13.5		14.6	B	8.1		mg/kg	SW-846 6010B	P
Manganese	0	10	423		448		5.9		mg/kg	SW-846 6010B	P
Molybdenum			0	U	0	U			mg/kg	SW-846 6010B	P
Nickel	0	10	12.3		13.6	B	10.6	E	mg/kg	SW-846 6010B	P
Selenium			0	U	0	U			mg/kg	SW-846 6010B	P
Silver			0	U	0	U			mg/kg	SW-846 6010B	P
Strontium	0	10	63.3		65.6		3.6		mg/kg	SW-846 6010B	P
Thallium			0	U	0	U			mg/kg	SW-846 6010B	P
Tin			0	U	0	U			mg/kg	SW-846 6010B	P
Titanium	0	10	37.8		68.7		81.7	E	mg/kg	SW-846 6010B	P
Vanadium	0	10	16.8		18.4		9.5		mg/kg	SW-846 6010B	P
Zinc	0	10	38.2		37.1		2.9		mg/kg	SW-846 6010B	P

001432

167893

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: FWPSW01-001SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 206080431

Level: (low / med)
Org Lab Sample ID: 20608042801

Lab Sample ID: 398866

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum			0	U	0	U			mg/L	SW-846 6010B	P
Antimony			0.012	B	0.068	B	467		mg/L	SW-846 6010B	P
Arsenic			0	U	0	U			mg/L	SW-846 6010B	P
Barium	0	10	0.12		0.12		0		mg/L	SW-846 6010B	P
Beryllium			0	U	0	U			mg/L	SW-846 6010B	P
Boron	0	10	3.17		3.50	B	10.4	E	mg/L	SW-846 6010B	P
Cadmium			0	U	0	U			mg/L	SW-846 6010B	P
Chromium	0	10	0.077		0.14		81.8	E	mg/L	SW-846 6010B	P
Cobalt			0	U	0	U			mg/L	SW-846 6010B	P
Copper			0	U	0.035	B			mg/L	SW-846 6010B	P
Iron			0.067	B	0	U	100		mg/L	SW-846 6010B	P
Lead			0	U	0	U			mg/L	SW-846 6010B	P
Lithium			0.21		0.12	B	42.9		mg/L	SW-846 6010B	P
Manganese	0	10	0.066		0.069	B	4.5		mg/L	SW-846 6010B	P
Molybdenum			0	U	0	U			mg/L	SW-846 6010B	P
Nickel			0	U	0	U			mg/L	SW-846 6010B	P
Selenium			0	U	0	U			mg/L	SW-846 6010B	P
Silver			0.0027	B	0	U	100		mg/L	SW-846 6010B	P
Strontium	0	10	6.74		6.55		2.8		mg/L	SW-846 6010B	P
Thallium			0	U	0.026	B			mg/L	SW-846 6010B	P
Tin			0	U	0	U			mg/L	SW-846 6010B	P
Titanium			0	U	0	U			mg/L	SW-846 6010B	P
Vanadium			0.0032	B	0	U	100		mg/L	SW-846 6010B	P
Zinc			0	U	0	U			mg/L	SW-846 6010B	P

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: FWPSW01-001SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 206080431

Level: (low / med)
Org Lab Sample ID: 20608042801

Lab Sample ID: 398470

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Mercury			0	U	0	U			mg/L	SW-846 7470A	AV

FORM IX - IN

167895

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: FWPSE01-001-(0-0.5)SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 206080431

Level: (low / med)
Org Lab Sample ID: 20608043101

Lab Sample ID: 398568

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Mercury			0	U	0	U			mg/kg	SW-846 7471A	AV

FORM IX - IN

001435

167896

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
FWPSE-006-EB	08/07/06			50	mL
FWPSW01-001 MS	08/07/06			50	mL
FWPSW01-001 MSD	08/07/06			50	mL
LCS397830	08/07/06			50	mL
MB397829	08/07/06			50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
FWPSE01-001-(0-0.5)	08/07/06	1.25	g	50	mL
FWPSE01-001-(0-0.5) MS	08/07/06	1.25	g	50	mL
FWPSE01-001-(0-0.5) MSD	08/07/06	1.25	g	50	mL
FWPSE02-002-(0-0.5)	08/07/06	1.25	g	50	mL
FWPSE03-003-(0-0.5)	08/07/06	1.25	g	50	mL
FWPSE04-004-(0-0.5)	08/07/06	1.26	g	50	mL
FWPSE05-005-(0-0.5)	08/07/06	1.26	g	50	mL
LCS397836	08/07/06	1.25	g	50	mL
MB397835	08/07/06	1.25	g	50	mL
SE-501-(0-0.5)	08/07/06	1.26	g	50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 7470A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
FWPSE-006-EB	08/07/06			20	mL
FWPSW01-001 MS	08/07/06			20	mL
FWPSW01-001 MSD	08/07/06			20	mL
LCS397832	08/07/06			20	mL
MB397831	08/07/06			20	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431

Method: SW-846 7471A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
FWPSE01-001-(0-0.5)	08/07/06	0.6	g	30	mL
FWPSE01-001-(0-0.5) MS	08/07/06	0.6	g	30	mL
FWPSE01-001-(0-0.5) MSD	08/07/06	0.6	g	30	mL
FWPSE02-002-(0-0.5)	08/07/06	0.6	g	30	mL
FWPSE03-003-(0-0.5)	08/07/06	0.61	g	30	mL
FWPSE04-004-(0-0.5)	08/07/06	0.61	g	30	mL
FWPSE05-005-(0-0.5)	08/07/06	0.6	g	30	mL
LCS397838	08/07/06	0.6	g	30	mL
MB397837	08/07/06	0.6	g	30	mL
SE-501-(0-0.5)	08/07/06	0.6	g	30	mL

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

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	1314	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	1320																																
ICB	*	1	1327	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	1333	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	1340																							X									
ICSA	*	1	1346	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	1353	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	1359	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	1406	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1412																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		10	1419																																
MB397829	*	1	1432	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	1504		X								X			X					X	X							X	X		X		
LCS397830	*	1	1510	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		2	1517																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	2	1524	X	X	X	X	X	X	X		X	X	X	X		X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	2	1531	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	1549	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	*	2	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	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	10	1602	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		2	1609																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		2	1616																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		2	1623																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1630																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1637																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1644																																

001440

FORM XIV - IN

167901

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

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
FWPSE-006-EB	*	1	1654	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	1707	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	1714	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1721																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1728																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1735																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1742																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		25	1749																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1802																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1809																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1816																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1823																															
CCV	*	1	1829	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	1836	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	1843																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1849																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1856																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1903																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1910																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1916																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1923																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1930																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1937																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1943																															
CCV	*	1	1950	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	1956	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	2003																															

001141

FORM XIV - IN

167902

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

Instrument ID Number: ICP6 Method: SW-846 6010B Method Type: P

Sample No.	PF	D/F	Time	Analyte Symbols: Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	2010																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2016																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2023																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2030																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2037																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2044																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2050																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2057																															
CCV	*	1	2111	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	2117	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	2124																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2131																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2138																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2145																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2151																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2158																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2205																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	2212																															
CCV	*	1	2232	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	2239	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	

001242

FORM XIV - IN

167903

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/09/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/09/06

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

				Analyte Symbols																													
Sample No.	**PF**	**D/F**	**Time**	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	0931	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ICB	*	1	0938	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	0951	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	0956																							X								
ICSA	*	1	1003	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	1011	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	1018	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	1025	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	1039						X												X									X		X		
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1047																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1054																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1102																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1109																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1117																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1124																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1132																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1139																															
CCV	*	1	1205	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	1211	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	1218																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1226																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1233																															
CCV	*	1	1238	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	1246	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
LCS397836	*	1	1300	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE01-001-(0-0.5)	*	1	1307	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE01-001-(0-0.5) MS	*	1	1314	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/09/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/09/06

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

Sample No.	PF	D/F	Time	Analyte Symbols																														
				Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
FWPSE01-001-(0-0.5) MSD	*	1	1320	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE01-001-(0-0.5)PDS	*	1	1326	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE01-001-(0-0.5)SD	*	5	1332	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SE-501-(0-0.5)	*	1	1338	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE04-004-(0-0.5)	*	1	1344	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE02-002-(0-0.5)	*	1	1350	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
CCV	*	1	1356	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	1402	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE03-003-(0-0.5)	*	1	1417	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
FWPSE05-005-(0-0.5)	*	1	1423	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1429																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1437																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1444																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1450																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1456																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1503																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1509																															
CCV	*	1	1534	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	1541	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
MB397835	*	1	1552	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	1559																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1605																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1611																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1618																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1624																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1630																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1637																															

FORM XIV - IN

167905

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/09/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/09/06

Instrument ID Number: ICP5 Method: SW-846 6010B Method Type: P

Sample No.	PF	D/F	Time	Analyte Symbols																														
				Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1643																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1649																															
CCV	*	1	1716	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	1723	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	

001445

FORM XIV - IN

167906

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

Instrument ID Number: FIMS1 Method: SW-846 7470A Method Type: AV

Sample No.	PF	D/F	Time	Analyte Symbols: Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ICV	*	1	1438																	X														
ICB	*	1	1439																	X														
CCV	*	1	1441																	X														
CCB	*	1	1442																	X														
CCV	*	1	1536																	X														
CCB	*	1	1538																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1540																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1542																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1543																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1545																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1546																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	5	1548																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1550																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1551																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1553																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1555																															
CCV	*	1	1556																	X														
CCB	*	1	1558																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1559																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1601																															
MB397831	*	1	1603																	X														
LCS397832	*	1	1605																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1606																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1608																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ	*	1	1609																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1611																															
FWPSE-006-EB	*	1	1613																	X														

FORM XIV - IN

001446

167907

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

Instrument ID Number: FIMS1 Method: SW-846 7470A Method Type: AV

				Analyte Symbols																																
Sample No.	**PF**	**D/F**	**Time**	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Li	Mg	Mn	Hg	Mo	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	Ti	V	Zn	Zr
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1614																															
CCV	*	1	1616																	X														
CCB	*	1	1618																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1619																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1621																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1622																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1624																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1626																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1627																															
CCV	*	1	1631																	X														
CCB	*	1	1632																	X														

001447

FORM XIV - IN

167908

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

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	1647																	X														
ICB	*	1	1649																	X														
CCV	*	1	1650																	X														
CCB	*	1	1652																	X														
MB397837	*	1	1654																	X														
LCS397838	*	1	1655																	X														
FWPSE01-001-(0-0.5)	*	1	1657																	X														
FWPSE01-001-(0-0.5) MS	*	1	1659																	X														
FWPSE01-001-(0-0.5) MSD	*	1	1700																	X														
FWPSE01-001-(0-0.5)SD	*	5	1702																	X														
SE-501-(0-0.5)	*	1	1703																	X														
FWPSE04-004-(0-0.5)	*	1	1705																	X														
FWPSE02-002-(0-0.5)	*	1	1707																	X														
FWPSE03-003-(0-0.5)	*	1	1708																	X														
CCV	*	1	1710																	X														
CCB	*	1	1712																	X														
FWPSE05-005-(0-0.5)	*	1	1713																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1715																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1717																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1718																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1720																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1722																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1723																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1725																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1727																															
ZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1728																															
CCV	*	1	1730																	X														

001748

FORM XIV - IN

167909

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 08/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206080431 End Date: 08/08/06

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
CCB	*	1	1732																	X														
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1733																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1735																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1737																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1738																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1740																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1741																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1743																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1745																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1747																															
CCV	*	1	1748																	X														
CCB	*	1	1750																	X														

001449

FORM XIV - IN

167910

ICP ANALYSIS

ICP6

ANALYST CLB
DATE 08/08/2006
TIME 13:01

AS#	SAMPLE ID		Dilution
1	CALIBRATION BLANK		
2	STANDARD 1	160-57-3	
200.7 11	ICV-1600	160-53-4	
12	ICV2-1601 F:Si	160-56-3	
1	ICB-1700		
3	CRDL-2300	160-56-2	
4	CRDL-2301	160-56-9	
5	ICSA-2000 F:Si	160-52-3	
6	ICSAB-2100	160-57-4	
200.7 7	CCV-1800		
1	CCB-1900		
17		ⁿ 20608042408 R/R @ 25x Na	5 X
18		° 20608020418 Na	10 X
19		---	
20	397829	MB for HBN 329578 W	
21	~~160-58-1~~	~~CRDL 2301~~ data not used CLB 8/9/06	
22	160-58-1	CRDL 2301	
23	397830	LCS for HBN 329578 W	
24	--- 4482 ---	ⁿ 20608042801 D	2 X
25		ⁿ 20608042802 MS D	2 X
26		ⁿ 20608042803 MSD D	2 X
5	CCV-1800		
1	CCB-1900		
27	398865	ⁿ 20608042801 PDS D	2 X
28	398866	ⁿ 20608042801 SD D	10 X
29		ⁿ 20608042804 D	2 X
30		ⁿ 20608042805 D	2 X
31		ⁿ 20608042806 D	2 X
32		ⁿ 20608042808 D	
33		ⁿ 20608042809 D	
34		ⁿ 20608042810 D	
35		ⁿ 20608043109 EQBLK	
36		---	
5	CCV-1800		
1	CCB-1900		
37	--- 4482 ---	ⁿ 20608030204	5 X
38	397281	ⁿ 20608030204 MS	5 X
39	397293	ⁿ 20608030204 MSD	5 X
40	398901	ⁿ 20608030204 PDS	5 X
41	398902	ⁿ 20608030204 SD	25 X
42		---	
43	398508	MB for HBN 329704 W	
44	398509	LCS for HBN 329704 W	
45	--- 0176 ---	20608070601	
46	398510	20608070601 DUP	

AS#	SAMPLE ID		Dilution
5	CCV-1800		
1	CCB-1900		
47	398511	20608070601 MS	
48	398969	20608070601 PDS	
49	398970	20608070601 SD	5 X
50		20608060501	
51		20607254201	
52	398374	MB for HBN 329659 W	
53	398375	LCS for HBN 329659 W	
54	--- 4565 ---	20608045701	
55	398377	20608045701 MS	
56	398770	20608045701 MSD	
5	CCV-1800		
1	CCB-1900		
57	398974	20608045701 PDS	
58	398975	20608045701 SD	5 X
59		ⁿ 20608045211 FLDBLK	
60		ⁿ 20608045212 EQBLK	
61		20608045702	
62		20608045501	
63		20608045502	
64		20608045503	
65		20608045504	
66		---	
5	CCV-1800		
1	CCB-1900		
67		20608045505	
68		20608045506	
69		20608045507	
70		20608045508	
71		20608045509	
72		20608071001	
73		20608071002	
74		20608071003	
75		---	
76		---	
5	CCV-1800		
1	CCB-1900		

ANALYST QC REV: CLB
SECONDARY REV: MAP

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS: 3810, 329771

QC: all acceptable qc noted with a checkmark; failures as indicated.

167911

Reprocessing Begun
Logged In Analyst: met Technique: ICP Continuous

Results Data Set (original): 2060808 B
Results Library (original): C:\pe\met\Results\Results.mdb
Results Data Set (reprocessed): 3810
Results Library (reprocessed): C:\pe\met\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank 1 Date Collected: 8/8/2006 1:01:52 PM
Analyst: Data Type: Reprocessed on 8/9/2006 8:14:16 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	84701.2	222.64	0.26%	100.00	%
Ar 420.067 R	929504.1	4179.14	0.45%	100.00	%
Scandium-IS	2790574.2	29932.85	1.07%	100.000	%
Yttrium,7440-65-5A	1509479.4	15662.85	1.04%	100.00	%
Yttrium,7440-65-5R	72254.9	793.73	1.10%	100.00	%
Aluminum,7429-90-5†	59.3	9.74	16.41%	[0.00]	mg/L
Antimony,7440-36-0†	-1.3	10.51	806.70%	[0.00]	mg/L
Arsenic,7440-38-2†	-10.7	3.09	28.78%	[0.00]	mg/L
Barium,7440-39-3†	265.9	7.84	2.95%	[0.00]	mg/L
Beryllium,7440-41-7†	1111.8	123.76	11.13%	[0.00]	mg/L
Boron,7440-42-8†	255.1	12.94	5.07%	[0.00]	mg/L
Cadmium,7440-43-9†	-891.3	16.16	1.81%	[0.00]	mg/L
Calcium,7440-70-2†	16.7	8.22	49.27%	[0.00]	mg/L
Chromium,7440-47-3†	856.1	4.25	0.50%	[0.00]	mg/L
Cobalt,7440-48-4†	-632.1	13.01	2.06%	[0.00]	mg/L
Copper,7440-50-8†	7625.1	88.35	1.16%	[0.00]	mg/L
Iron,7439-89-6†	11.2	0.76	6.81%	[0.00]	mg/L
Lead,7439-92-1†	-56.5	8.08	14.30%	[0.00]	mg/L
Lithium,7439-93-2†	317.7	49.88	15.70%	[0.00]	mg/L
Magnesium,7439-95-4†	-8.4	5.47	64.82%	[0.00]	mg/L
Manganese,7439-96-5†	1929.2	30.18	1.56%	[0.00]	mg/L
Molybdenum,7439-98-7†	-61.3	5.67	9.26%	[0.00]	mg/L
Nickel,7440-02-0†	-19.3	5.16	26.78%	[0.00]	mg/L
Potassium,7440-09-7†	-488.7	38.43	7.86%	[0.00]	mg/L
Selenium,7782-49-2†	-59.3	2.47	4.16%	[0.00]	mg/L
Silicon,7440-21-3†	128.7	5.92	4.60%	[0.00]	mg/L
Silver,7440-22-4†	-417.7	3.59	0.86%	[0.00]	mg/L
Sodium,7440-23-5†	4502.3	363.54	8.07%	[0.00]	mg/L
Strontium,7440-24-6†	1579.4	16.87	1.07%	[0.00]	mg/L
Thallium,7440-28-0†	-120.1	13.05	10.86%	[0.00]	mg/L
Tin,7440-31-5†	49.1	13.61	27.72%	[0.00]	mg/L
Titanium,7440-32-6†	480.9	14.94	3.11%	[0.00]	mg/L
Vanadium,7440-62-2†	2918.3	38.07	1.30%	[0.00]	mg/L
Zinc,7440-66-6†	342.6	7.52	2.19%	[0.00]	mg/L
Zirconium,7440-67-7†	589.4	21.41	3.63%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 2
Sample ID: Calib Std 1 Date Collected: 8/8/2006 1:08:34 PM
Analyst: Data Type: Reprocessed on 8/9/2006 8:14:18 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	83796.4	327.92	0.39%	98.932	%

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Ar 420.067 R	924611.5	2973.67	0.32%	99.474	%
Scandium-IS	2724166.9	7466.82	0.27%	97.620	%
Yttrium,7440-65-5A	1443627.7	3557.91	0.25%	95.637	%
Yttrium,7440-65-5R	70033.4	197.40	0.28%	96.926	%
Aluminum,7429-90-5†	5174.1	20.10	0.39%	[10.00000]	mg/L
Antimony,7440-36-0†	3074.9	52.41	1.70%	[1.000000]	mg/L
Arsenic,7440-38-2†	3076.9	74.96	2.44%	[1.000000]	mg/L
Barium,7440-39-3†	177467.6	426.56	0.24%	[1.000000]	mg/L
Beryllium,7440-41-7†	4046431.3	7264.93	0.18%	[1.000000]	mg/L
Boron,7440-42-8†	325156.0	644.49	0.20%	[5.00]	mg/L
Cadmium,7440-43-9†	246920.4	650.75	0.26%	[1.000000]	mg/L
Calcium,7440-70-2†	13926.4	67.87	0.49%	[10.00000]	mg/L
Chromium,7440-47-3†	166171.1	361.17	0.22%	[1.000000]	mg/L
Cobalt,7440-48-4†	53980.2	782.93	1.45%	[1.000000]	mg/L
Copper,7440-50-8†	364666.8	299.87	0.08%	[1.000000]	mg/L
Iron,7439-89-6†	9782.3	56.13	0.57%	[10.00000]	mg/L
Lead,7439-92-1†	11458.4	174.08	1.52%	[1.000000]	mg/L
Lithium,7439-93-2†	49603.7	157.67	0.32%	[1.00]	mg/L
Magnesium,7439-95-4†	2077.3	4.05	0.19%	[10.00000]	mg/L
Manganese,7439-96-5†	816263.7	1690.19	0.21%	[1.000000]	mg/L
Molybdenum,7439-98-7†	29442.5	386.62	1.31%	[1.00]	mg/L
Nickel,7440-02-0†	53244.4	791.65	1.49%	[1.000000]	mg/L
Potassium,7440-09-7†	41473.1	138.71	0.33%	[20.00000]	mg/L
Selenium,7782-49-2†	1818.2	36.06	1.98%	[1.000000]	mg/L
Silicon,7440-21-3†	541.0	1.27	0.24%	[1.0]	mg/L
Silver,7440-22-4†	299299.2	205.73	0.07%	[1.000000]	mg/L
Sodium,7440-23-5†	143616.8	983.90	0.69%	[40.00000]	mg/L
Strontium,7440-24-6†	320047.4	1707.22	0.53%	[1.00]	mg/L
Thallium,7440-28-0†	6252.2	52.92	0.85%	[1.000000]	mg/L
Tin,7440-31-5†	9848.3	137.71	1.40%	[1.00]	mg/L
Titanium,7440-32-6†	537887.5	630.84	0.12%	[1.000000]	mg/L
Vanadium,7440-62-2†	108848.5	363.91	0.33%	[1.000000]	mg/L
Zinc,7440-66-6†	190380.3	378.25	0.20%	[1.000000]	mg/L
Zirconium,7440-67-7†	419396.3	363.50	0.09%	[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	517.4	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	3075	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	3077	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	177500	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	4046000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	65030	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	246900	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	1393	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	166200	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	53980	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	364700	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	978.2	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	11460	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	49600	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	207.7	0.00000	1.000000	
Manganese,7439-96-5	1	Lin, Calc Int	0.0	816300	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	29440	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	53240	0.00000	1.000000	
Potassium,7440-09-7	1	Lin, Calc Int	0.0	2074	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	1818	0.00000	1.000000	
Silicon,7440-21-3	1	Lin, Calc Int	0.0	541.0	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	299300	0.00000	1.000000	
Sodium,7440-23-5	1	Lin, Calc Int	0.0	3590	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	320000	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	6252	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	9848	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	537900	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	108800	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	190400	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	419400	0.00000	1.000000	

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001452

167913

Sequence No.: 3
Sample ID: 1600
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 8/8/2006 1:14:27 PM
Data Type: Reprocessed on 8/9/2006 8:14:22 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	83851.3	98.997	%	0.1344				0.14%
Ar 420.067 R	928524.5	99.895	%	0.2763				0.28%
Scandium-IS	2743152.5	98.301	%	0.6631				0.67%
Yttrium,7440-65-5A	1458514.1	96.624	%	0.6099				0.63%
Yttrium,7440-65-5R	71307.5	98.689	%	0.4024				0.41%
Aluminum,7429-90-5†	5077.4	9.828	mg/L	0.1243	9.828	mg/L	0.1243	1.26%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.28%								
Antimony,7440-36-0†	3053.5	0.9911	mg/L	0.00690	0.9911	mg/L	0.00690	0.70%
QC value within limits for Antimony,7440-36-0 Recovery = 99.11%								
Arsenic,7440-38-2†	2957.4	0.9664	mg/L	0.01248	0.9664	mg/L	0.01248	1.29%
QC value within limits for Arsenic,7440-38-2 Recovery = 96.64%								
Barium,7440-39-3†	176053.1	0.9909	mg/L	0.00035	0.9909	mg/L	0.00035	0.03%
QC value within limits for Barium,7440-39-3 Recovery = 99.09%								
Beryllium,7440-41-7†	3947202.7	0.9751	mg/L	0.00088	0.9751	mg/L	0.00088	0.09%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.51%								
Boron,7440-42-8†	322789.2	4.9699	mg/L	0.00557	4.9699	mg/L	0.00557	0.11%
QC value within limits for Boron,7440-42-8 Recovery = 99.40%								
Cadmium,7440-43-9†	236602.8	0.9577	mg/L	0.00110	0.9577	mg/L	0.00110	0.11%
QC value within limits for Cadmium,7440-43-9 Recovery = 95.77%								
Calcium,7440-70-2†	13550.1	9.725	mg/L	0.1015	9.725	mg/L	0.1015	1.04%
QC value within limits for Calcium,7440-70-2 Recovery = 97.25%								
Chromium,7440-47-3†	161222.1	0.9698	mg/L	0.00085	0.9698	mg/L	0.00085	0.09%
QC value within limits for Chromium,7440-47-3 Recovery = 96.98%								
Cobalt,7440-48-4†	51697.5	0.9550	mg/L	0.00714	0.9550	mg/L	0.00714	0.75%
QC value within limits for Cobalt,7440-48-4 Recovery = 95.50%								
Copper,7440-50-8†	347063.6	0.9508	mg/L	0.00050	0.9508	mg/L	0.00050	0.05%
QC value within limits for Copper,7440-50-8 Recovery = 95.08%								
Iron,7439-89-6†	9873.2	10.094	mg/L	0.1199	10.094	mg/L	0.1199	1.19%
QC value within limits for Iron,7439-89-6 Recovery = 100.94%								
Lead,7439-92-1†	11186.4	0.9752	mg/L	0.00590	0.9752	mg/L	0.00590	0.61%
QC value within limits for Lead,7439-92-1 Recovery = 97.52%								
Lithium,7439-93-2†	49175.4	0.9916	mg/L	0.01011	0.9916	mg/L	0.01011	1.02%
QC value within limits for Lithium,7439-93-2 Recovery = 99.16%								
Magnesium,7439-95-4†	2075.2	9.9981	mg/L	0.15960	9.9981	mg/L	0.15960	1.60%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.98%								
Manganese,7439-96-5†	785724.2	0.9624	mg/L	0.00039	0.9624	mg/L	0.00039	0.04%
QC value within limits for Manganese,7439-96-5 Recovery = 96.24%								
Molybdenum,7439-98-7†	28029.1	0.9520	mg/L	0.00552	0.9520	mg/L	0.00552	0.58%
QC value within limits for Molybdenum,7439-98-7 Recovery = 95.20%								
Nickel,7440-02-0†	51196.0	0.9610	mg/L	0.00672	0.9610	mg/L	0.00672	0.70%
QC value within limits for Nickel,7440-02-0 Recovery = 96.10%								
Potassium,7440-09-7†	20967.7	10.095	mg/L	0.0689	10.095	mg/L	0.0689	0.68%
QC value within limits for Potassium,7440-09-7 Recovery = 100.95%								
Selenium,7782-49-2†	1746.9	0.9680	mg/L	0.00464	0.9680	mg/L	0.00464	0.48%
QC value within limits for Selenium,7782-49-2 Recovery = 96.80%								
Silicon,7440-21-3†	20.6	0.0545	mg/L	0.00574	0.0545	mg/L	0.00574	10.53%
Silver,7440-22-4†	293255.8	0.9828	mg/L	0.00100	0.9828	mg/L	0.00100	0.10%
QC value within limits for Silver,7440-22-4 Recovery = 98.28%								
Sodium,7440-23-5†	35748.7	9.9573	mg/L	0.14062	9.9573	mg/L	0.14062	1.41%
QC value within limits for Sodium,7440-23-5 Recovery = 99.57%								
Strontium,7440-24-6†	314298.1	0.9818	mg/L	0.01356	0.9818	mg/L	0.01356	1.38%
QC value within limits for Strontium,7440-24-6 Recovery = 98.18%								
Thallium,7440-28-0†	6110.5	0.9887	mg/L	0.00692	0.9887	mg/L	0.00692	0.70%
QC value within limits for Thallium,7440-28-0 Recovery = 98.87%								
Tin,7440-31-5†	9721.4	0.9873	mg/L	0.00472	0.9873	mg/L	0.00472	0.48%
QC value within limits for Tin,7440-31-5 Recovery = 98.73%								
Titanium,7440-32-6†	522164.5	0.9707	mg/L	0.00104	0.9707	mg/L	0.00104	0.11%
QC value within limits for Titanium,7440-32-6 Recovery = 97.07%								
Vanadium,7440-62-2†	104918.5	0.9635	mg/L	0.00079	0.9635	mg/L	0.00079	0.08%
QC value within limits for Vanadium,7440-62-2 Recovery = 96.35%								

Zinc,7440-66-6†	178998.4	0.9302 mg/L	0.00094	0.9302 mg/L	0.00094	0.10%
QC value within limits for Zinc,7440-66-6 Recovery = 93.02%						
Zirconium,7440-67-7†	361.5	0.0007 mg/L	0.00023	0.0007 mg/L	0.00023	33.99%

All analyte(s) passed QC.

Sequence No.: 4 **Autosampler Location: 12**
Sample ID: 1601 **Date Collected: 8/8/2006 1:20:35 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:24 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	84467.3	99.724	%	0.3680				0.37%
Ar 420.067 R	931119.9	100.17	%	0.190				0.19%
Scandium-IS	2823880.1	101.19	%	1.049				1.04%
Yttrium,7440-65-5A	1513721.1	100.28	%	1.022				1.02%
Yttrium,7440-65-5R	72204.0	99.930	%	0.7968				0.80%
Aluminum,7429-90-5†	4.7	0.009	mg/L	0.0122	0.009	mg/L	0.0122	134.84%
Antimony,7440-36-0†	0.2	0.0001	mg/L	0.00441	0.0001	mg/L	0.00441	>999.9%
Arsenic,7440-38-2†	27.6	0.0090	mg/L	0.00142	0.0090	mg/L	0.00142	15.87%
Barium,7440-39-3†	32.3	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	84.67%
Beryllium,7440-41-7†	705.4	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	10.96%
Boron,7440-42-8†	1603.4	0.0247	mg/L	0.00265	0.0247	mg/L	0.00265	10.74%
Cadmium,7440-43-9†	-25.0	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	24.52%
Calcium,7440-70-2†	45.5	0.033	mg/L	0.0047	0.033	mg/L	0.0047	14.27%
Chromium,7440-47-3†	-39.0	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	55.75%
Cobalt,7440-48-4†	13.8	0.0003	mg/L	0.00023	0.0003	mg/L	0.00023	88.81%
Copper,7440-50-8†	86.4	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	28.23%
Iron,7439-89-6†	6.7	0.0068	mg/L	0.00209	0.0068	mg/L	0.00209	30.59%
Lead,7439-92-1†	-6.4	-0.0006	mg/L	0.00093	-0.0006	mg/L	0.00093	166.36%
Lithium,7439-93-2†	201.0	0.0041	mg/L	0.00059	0.0041	mg/L	0.00059	14.51%
Magnesium,7439-95-4†	2.7	0.0131	mg/L	0.00535	0.0131	mg/L	0.00535	40.67%
Manganese,7439-96-5†	471.2	0.0006	mg/L	0.00002	0.0006	mg/L	0.00002	4.10%
Molybdenum,7439-98-7†	8.4	0.0003	mg/L	0.00024	0.0003	mg/L	0.00024	83.03%
Nickel,7440-02-0†	121.7	0.0023	mg/L	0.00018	0.0023	mg/L	0.00018	7.89%
Potassium,7440-09-7†	86.0	0.0415	mg/L	0.00949	0.0415	mg/L	0.00949	22.89%
Selenium,7782-49-2†	7.9	0.0044	mg/L	0.00346	0.0044	mg/L	0.00346	79.26%
Silicon,7440-21-3†	460.7	0.8516	mg/L	0.01745	0.8516	mg/L	0.01745	2.05%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 85.16%								
Silver,7440-22-4†	2117.3	0.0071	mg/L	0.00035	0.0071	mg/L	0.00035	4.91%
Sodium,7440-23-5†	-729.8	-0.2033	mg/L	0.06461	-0.2033	mg/L	0.06461	31.78%
Strontium,7440-24-6†	79.8	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	35.48%
Thallium,7440-28-0†	14.6	0.0023	mg/L	0.00260	0.0023	mg/L	0.00260	111.40%
Tin,7440-31-5†	29.8	0.0030	mg/L	0.00087	0.0030	mg/L	0.00087	28.71%
Titanium,7440-32-6†	333.4	0.0006	mg/L	0.00004	0.0006	mg/L	0.00004	6.43%
Vanadium,7440-62-2†	1.0	0.0000	mg/L	0.00024	0.0000	mg/L	0.00024	>999.9%
Zinc,7440-66-6†	911.1	0.0048	mg/L	0.00008	0.0048	mg/L	0.00008	1.67%
Zirconium,7440-67-7†	406281.1	0.9687	mg/L	0.00198	0.9687	mg/L	0.00198	0.20%
QC value within limits for Zirconium,7440-67-7 Recovery = 96.87%								

QC Failed. Continue with analysis.

Sequence No.: 5 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 8/8/2006 1:27:09 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:25 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	84302.4	99.529	%	0.1185				0.12%
Ar 420.067 R	927422.3	99.776	%	0.2474				0.25%
Scandium-IS	2753553.4	98.673	%	1.3875				1.41%

Yttrium,7440-65-5A	1489481.1	98.675 %		1.3989			1.42%
Yttrium,7440-65-5R	72393.6	100.19 %		0.417			0.42%
Aluminum,7429-90-5†	0.4	0.001 mg/L		0.0082	0.001 mg/L	0.0082	>999.9%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	3.9	0.0013 mg/L		0.00235	0.0013 mg/L	0.00235	186.39%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	3.3	0.0011 mg/L		0.00231	0.0011 mg/L	0.00231	216.22%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	3.9	0.0000 mg/L		0.00005	0.0000 mg/L	0.00005	219.09%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	-47.6	0.0000 mg/L		0.00002	0.0000 mg/L	0.00002	169.09%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	433.6	0.0067 mg/L		0.00041	0.0067 mg/L	0.00041	6.18%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	12.9	0.0001 mg/L		0.00001	0.0001 mg/L	0.00001	19.83%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	-1.0	-0.001 mg/L		0.0042	-0.001 mg/L	0.0042	595.58%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	11.6	0.0001 mg/L		0.00008	0.0001 mg/L	0.00008	117.82%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	-14.0	-0.0003 mg/L		0.00045	-0.0003 mg/L	0.00045	173.58%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	-3.7	0.0000 mg/L		0.00004	0.0000 mg/L	0.00004	408.01%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	1.5	0.0015 mg/L		0.00448	0.0015 mg/L	0.00448	289.40%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	2.7	0.0002 mg/L		0.00046	0.0002 mg/L	0.00046	193.47%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	54.9	0.0011 mg/L		0.00050	0.0011 mg/L	0.00050	44.78%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	-0.2	-0.0009 mg/L		0.02148	-0.0009 mg/L	0.02148	>999.9%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	17.0	0.0000 mg/L		0.00004	0.0000 mg/L	0.00004	190.82%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	-12.8	-0.0004 mg/L		0.00084	-0.0004 mg/L	0.00084	194.56%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	-9.5	-0.0002 mg/L		0.00009	-0.0002 mg/L	0.00009	52.04%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	32.0	0.0154 mg/L		0.02407	0.0154 mg/L	0.02407	156.17%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	8.1	0.0045 mg/L		0.00118	0.0045 mg/L	0.00118	26.45%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	7.0	0.0130 mg/L		0.00645	0.0130 mg/L	0.00645	49.74%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-30.3	-0.0001 mg/L		0.00029	-0.0001 mg/L	0.00029	285.58%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-553.2	-0.1541 mg/L		0.03759	-0.1541 mg/L	0.03759	24.40%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	65.1	0.0002 mg/L		0.00026	0.0002 mg/L	0.00026	126.05%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	2.1	0.0003 mg/L		0.00115	0.0003 mg/L	0.00115	336.51%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	5.5	0.0006 mg/L		0.00050	0.0006 mg/L	0.00050	89.56%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	7.0	0.0000 mg/L		0.00007	0.0000 mg/L	0.00007	557.97%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	86.1	0.0008 mg/L		0.00047	0.0008 mg/L	0.00047	59.92%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	3.4	0.0000 mg/L		0.00008	0.0000 mg/L	0.00008	428.13%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	1248.3	0.0030 mg/L		0.00028	0.0030 mg/L	0.00028	9.55%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 6
Sample ID: 2300
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 8/8/2006 1:33:41 PM
Data Type: Reprocessed on 8/9/2006 8:14:26 AM

Initial Sample Vol:
Sample Prep Vol:

001455

Mean Data: 2300

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	84582.6	99.860	%	0.2289				0.23%
Ar 420.067 R	933550.3	100.44	%	0.165				0.16%
Scandium-IS	2766696.7	99.144	%	0.2750				0.28%
Yttrium,7440-65-5A	1489543.7	98.679	%	0.2821				0.29%
Yttrium,7440-65-5R	71737.3	99.284	%	0.6702				0.68%
Aluminum,7429-90-5†	108.8	0.210	mg/L	0.0078	0.210	mg/L	0.0078	3.69%
QC value within limits for Aluminum,7429-90-5 Recovery = 105.22%								
Antimony,7440-36-0†	196.1	0.0638	mg/L	0.00224	0.0638	mg/L	0.00224	3.52%
QC value within limits for Antimony,7440-36-0 Recovery = 106.26%								
Arsenic,7440-38-2†	36.6	0.0120	mg/L	0.00333	0.0120	mg/L	0.00333	27.77%
QC value within limits for Arsenic,7440-38-2 Recovery = 119.91%								
Barium,7440-39-3†	1778.9	0.0100	mg/L	0.00012	0.0100	mg/L	0.00012	1.21%
QC value within limits for Barium,7440-39-3 Recovery = 100.03%								
Beryllium,7440-41-7†	19356.7	0.0048	mg/L	0.00001	0.0048	mg/L	0.00001	0.29%
QC value within limits for Beryllium,7440-41-7 Recovery = 95.13%								
Boron,7440-42-8†	31315.3	0.4816	mg/L	0.00238	0.4816	mg/L	0.00238	0.49%
QC value within limits for Boron,7440-42-8 Recovery = 96.32%								
Cadmium,7440-43-9†	1123.7	0.0045	mg/L	0.00005	0.0045	mg/L	0.00005	1.05%
QC value within limits for Cadmium,7440-43-9 Recovery = 90.89%								
Calcium,7440-70-2†	135.3	0.097	mg/L	0.0035	0.097	mg/L	0.0035	3.65%
QC value within limits for Calcium,7440-70-2 Recovery = 97.04%								
Chromium,7440-47-3†	1617.5	0.0097	mg/L	0.00007	0.0097	mg/L	0.00007	0.67%
QC value within limits for Chromium,7440-47-3 Recovery = 97.21%								
Cobalt,7440-48-4†	511.2	0.0093	mg/L	0.00025	0.0093	mg/L	0.00025	2.67%
QC value within limits for Cobalt,7440-48-4 Recovery = 92.52%								
Copper,7440-50-8†	3335.3	0.0091	mg/L	0.00004	0.0091	mg/L	0.00004	0.39%
QC value within limits for Copper,7440-50-8 Recovery = 90.97%								
Iron,7439-89-6†	92.5	0.0946	mg/L	0.00205	0.0946	mg/L	0.00205	2.17%
QC value within limits for Iron,7439-89-6 Recovery = 94.63%								
Lead,7439-92-1†	178.2	0.0155	mg/L	0.00048	0.0155	mg/L	0.00048	3.12%
QC value within limits for Lead,7439-92-1 Recovery = 103.65%								
Lithium,7439-93-2†	2457.8	0.0496	mg/L	0.00076	0.0496	mg/L	0.00076	1.53%
QC value within limits for Lithium,7439-93-2 Recovery = 99.11%								
Magnesium,7439-95-4†	20.6	0.0997	mg/L	0.00667	0.0997	mg/L	0.00667	6.69%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.65%								
Manganese,7439-96-5†	12103.0	0.0148	mg/L	0.00007	0.0148	mg/L	0.00007	0.45%
QC value within limits for Manganese,7439-96-5 Recovery = 98.72%								
Molybdenum,7439-98-7†	1391.6	0.0473	mg/L	0.00020	0.0473	mg/L	0.00020	0.43%
QC value within limits for Molybdenum,7439-98-7 Recovery = 94.52%								
Nickel,7440-02-0†	2028.1	0.0381	mg/L	0.00054	0.0381	mg/L	0.00054	1.41%
QC value within limits for Nickel,7440-02-0 Recovery = 95.15%								
Potassium,7440-09-7†	968.0	0.4662	mg/L	0.02259	0.4662	mg/L	0.02259	4.85%
QC value within limits for Potassium,7440-09-7 Recovery = 93.25%								
Selenium,7782-49-2†	74.8	0.0412	mg/L	0.00430	0.0412	mg/L	0.00430	10.44%
QC value within limits for Selenium,7782-49-2 Recovery = 103.00%								
Silicon,7440-21-3†	3.1	0.0058	mg/L	0.00386	0.0058	mg/L	0.00386	66.55%
Silver,7440-22-4†	860.0	0.0029	mg/L	0.00013	0.0029	mg/L	0.00013	4.37%
Sodium,7440-23-5†	3091.4	0.8612	mg/L	0.04930	0.8612	mg/L	0.04930	5.73%
QC value within limits for Sodium,7440-23-5 Recovery = 86.12%								
Strontium,7440-24-6†	15874.2	0.0496	mg/L	0.00039	0.0496	mg/L	0.00039	0.78%
QC value within limits for Strontium,7440-24-6 Recovery = 99.19%								
Thallium,7440-28-0†	53.4	0.0092	mg/L	0.00127	0.0092	mg/L	0.00127	13.85%
QC value within limits for Thallium,7440-28-0 Recovery = 92.02%								
Tin,7440-31-5†	950.4	0.0965	mg/L	0.00031	0.0965	mg/L	0.00031	0.33%
QC value within limits for Tin,7440-31-5 Recovery = 96.49%								
Titanium,7440-32-6†	52935.1	0.0984	mg/L	0.00007	0.0984	mg/L	0.00007	0.07%
QC value within limits for Titanium,7440-32-6 Recovery = 98.41%								
Vanadium,7440-62-2†	2217.8	0.0204	mg/L	0.00003	0.0204	mg/L	0.00003	0.16%
QC value within limits for Vanadium,7440-62-2 Recovery = 101.90%								
Zinc,7440-66-6†	3680.0	0.0190	mg/L	0.00006	0.0190	mg/L	0.00006	0.29%
QC value within limits for Zinc,7440-66-6 Recovery = 95.20%								
Zirconium,7440-67-7†	6070.3	0.0145	mg/L	0.00068	0.0145	mg/L	0.00068	4.67%

All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 4**

001456

167917

Sample ID: 2301 **Date Collected: 8/8/2006 1:40:16 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:29 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	84093.9	99.283	%	0.3199				0.32%
Ar 420.067 R	934380.1	100.52	%	0.312				0.31%
Scandium-IS	2730998.1	97.865	%	0.7662				0.78%
Yttrium,7440-65-5A	1478348.8	97.938	%	0.7562				0.77%
Yttrium,7440-65-5R	72046.2	99.711	%	0.0499				0.05%
Aluminum,7429-90-5†	39.5	0.076	mg/L	0.0054	0.076	mg/L	0.0054	7.10%
Antimony,7440-36-0†	11.8	0.0038	mg/L	0.00242	0.0038	mg/L	0.00242	62.83%
Arsenic,7440-38-2†	-2.4	-0.0008	mg/L	0.00282	-0.0008	mg/L	0.00282	367.00%
Barium,7440-39-3†	44.1	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	35.97%
Beryllium,7440-41-7†	-22.4	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	132.57%
Boron,7440-42-8†	247.7	0.0038	mg/L	0.00067	0.0038	mg/L	0.00067	17.49%
Cadmium,7440-43-9†	-32.2	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	77.93%
Calcium,7440-70-2†	53.2	0.038	mg/L	0.0030	0.038	mg/L	0.0030	7.92%
Chromium,7440-47-3†	34.5	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	53.00%
Cobalt,7440-48-4†	-18.4	-0.0003	mg/L	0.00024	-0.0003	mg/L	0.00024	70.00%
Copper,7440-50-8†	893.0	0.0024	mg/L	0.00022	0.0024	mg/L	0.00022	8.80%
Iron,7439-89-6†	32.5	0.0332	mg/L	0.00482	0.0332	mg/L	0.00482	14.51%
Lead,7439-92-1†	2.1	0.0002	mg/L	0.00023	0.0002	mg/L	0.00023	125.38%
Lithium,7439-93-2†	77.7	0.0016	mg/L	0.00067	0.0016	mg/L	0.00067	42.56%
Magnesium,7439-95-4†	3.5	0.0169	mg/L	0.04687	0.0169	mg/L	0.04687	277.76%
Manganese,7439-96-5†	812.7	0.0010	mg/L	0.00001	0.0010	mg/L	0.00001	0.99%
Molybdenum,7439-98-7†	-5.1	-0.0002	mg/L	0.00044	-0.0002	mg/L	0.00044	251.11%
Nickel,7440-02-0†	50.5	0.0009	mg/L	0.00015	0.0009	mg/L	0.00015	15.60%
Potassium,7440-09-7†	-115.8	-0.0559	mg/L	0.01376	-0.0559	mg/L	0.01376	24.62%
Selenium,7782-49-2†	5.9	0.0033	mg/L	0.00605	0.0033	mg/L	0.00605	184.28%
Silicon,7440-21-3†	7.7	0.0144	mg/L	0.00938	0.0144	mg/L	0.00938	65.36%
Silver,7440-22-4†	3383.3	0.0113	mg/L	0.00039	0.0113	mg/L	0.00039	3.45%
QC value within limits for Silver,7440-22-4 Recovery = 113.12%								
Sodium,7440-23-5†	-417.7	-0.1164	mg/L	0.04608	-0.1164	mg/L	0.04608	39.60%
Strontium,7440-24-6†	156.4	0.0005	mg/L	0.00011	0.0005	mg/L	0.00011	22.26%
Thallium,7440-28-0†	-4.0	-0.0006	mg/L	0.00048	-0.0006	mg/L	0.00048	75.90%
Tin,7440-31-5†	0.4	0.0000	mg/L	0.00102	0.0000	mg/L	0.00102	>999.9%
Titanium,7440-32-6†	-40.6	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	225.36%
Vanadium,7440-62-2†	140.2	0.0013	mg/L	0.00019	0.0013	mg/L	0.00019	14.82%
Zinc,7440-66-6†	701.4	0.0037	mg/L	0.00006	0.0037	mg/L	0.00006	1.58%
Zirconium,7440-67-7†	146.6	0.0003	mg/L	0.00026	0.0003	mg/L	0.00026	74.63%

All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 5**
Sample ID: 2000 **Date Collected: 8/8/2006 1:46:51 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:31 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **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	75990.5	89.716	%	0.2619				0.29%
Ar 420.067 R	889983.4	95.748	%	0.2217				0.23%
Scandium-IS	2532415.8	90.749	%	0.8519				0.94%
Yttrium,7440-65-5A	1339762.7	88.757	%	0.8339				0.94%
Yttrium,7440-65-5R	66734.1	92.359	%	0.9580				1.04%
Aluminum,7429-90-5†	110356.2	213.3	mg/L	0.80	213.3	mg/L	0.80	0.38%
QC value within limits for Aluminum,7429-90-5 Recovery = 106.64%								
Antimony,7440-36-0†	-23.5	-0.0062	mg/L	0.00156	-0.0062	mg/L	0.00156	25.30%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-267.0	-0.0451	mg/L	0.00434	-0.0451	mg/L	0.00434	9.63%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								

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Barium,7440-39-3†	630.6	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	3.26%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated						
Beryllium,7440-41-7†	-1032.0	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	94.62%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated						
Boron,7440-42-8†	-3078.2	-0.0005 mg/L	0.00095	-0.0005 mg/L	0.00095	182.27%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated						
Cadmium,7440-43-9†	26.4	-0.0029 mg/L	0.00005	-0.0029 mg/L	0.00005	1.59%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated						
Calcium,7440-70-2†	287527.2	206.4 mg/L	1.65	206.4 mg/L	1.65	0.80%
QC value within limits for Calcium,7440-70-2 Recovery = 103.20%						
Chromium,7440-47-3†	3633.7	-0.0085 mg/L	0.00032	-0.0085 mg/L	0.00032	3.84%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4†	67.9	-0.0018 mg/L	0.00023	-0.0018 mg/L	0.00023	12.67%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8†	328.6	-0.0079 mg/L	0.00019	-0.0079 mg/L	0.00019	2.39%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6†	79728.8	81.504 mg/L	0.2535	81.504 mg/L	0.2535	0.31%
QC value within limits for Iron,7439-89-6 Recovery = 101.88%						
Lead,7439-92-1†	-466.2	-0.0208 mg/L	0.00102	-0.0208 mg/L	0.00102	4.91%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2†	-13.3	0.0009 mg/L	0.00218	0.0009 mg/L	0.00218	251.92%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4†	43407.7	209.02 mg/L	0.641	209.02 mg/L	0.641	0.31%
QC value within limits for Magnesium,7439-95-4 Recovery = 104.51%						
Manganese,7439-96-5†	-4521.9	-0.0036 mg/L	0.00005	-0.0036 mg/L	0.00005	1.48%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7†	-4.9	0.0006 mg/L	0.00044	0.0006 mg/L	0.00044	75.37%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0†	83.7	0.0001 mg/L	0.00005	0.0001 mg/L	0.00005	40.79%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7†	-49.5	-0.1228 mg/L	0.01930	-0.1228 mg/L	0.01930	15.72%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2†	-110.8	-0.0111 mg/L	0.00403	-0.0111 mg/L	0.00403	36.41%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	65.0	0.2219 mg/L	0.00812	0.2219 mg/L	0.00812	3.66%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	-9133.7	-0.0136 mg/L	0.00015	-0.0136 mg/L	0.00015	1.09%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	1737.6	0.4518 mg/L	0.07900	0.4518 mg/L	0.07900	17.49%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	2476.1	0.0035 mg/L	0.00004	0.0035 mg/L	0.00004	1.23%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	-23.5	-0.0055 mg/L	0.00120	-0.0055 mg/L	0.00120	21.75%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	-162.1	-0.0137 mg/L	0.00146	-0.0137 mg/L	0.00146	10.62%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	122.3	0.0001 mg/L	0.00011	0.0001 mg/L	0.00011	104.12%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-551.7	-0.0055 mg/L	0.00028	-0.0055 mg/L	0.00028	5.04%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	4046.8	0.0024 mg/L	0.00040	0.0024 mg/L	0.00040	16.17%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	-5548.7	-0.0118 mg/L	0.00010	-0.0118 mg/L	0.00010	0.81%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

QC Failed. Continue with analysis.

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Sequence No.: 9 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 8/8/2006 1:53:31 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:33 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 2100

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	76392.5	90.191	%	0.3632				0.40%
Ar 420.067 R	884896.2	95.201	%	0.0393				0.04%
Scandium-IS	2554262.8	91.532	%	0.2533				0.28%

Yttrium,7440-65-5A	1351780.7	89.553 %	0.2950				0.33%
Yttrium,7440-65-5R	67214.2	93.024 %	0.2448				0.26%
Aluminum,7429-90-5†	104796.8	202.5 mg/L	0.67	202.5 mg/L	0.67		0.33%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.27%							
Antimony,7440-36-0†	3185.2	1.0364 mg/L	0.00948	1.0364 mg/L	0.00948		0.91%
QC value within limits for Antimony,7440-36-0 Recovery = 103.64%							
Arsenic,7440-38-2†	2930.3	0.9930 mg/L	0.02072	0.9930 mg/L	0.02072		2.09%
QC value within limits for Arsenic,7440-38-2 Recovery = 99.30%							
Barium,7440-39-3†	92278.4	0.5166 mg/L	0.00101	0.5166 mg/L	0.00101		0.20%
QC value within limits for Barium,7440-39-3 Recovery = 103.32%							
Beryllium,7440-41-7†	2062769.7	0.5099 mg/L	0.00049	0.5099 mg/L	0.00049		0.10%
QC value within limits for Beryllium,7440-41-7 Recovery = 101.98%							
Boron,7440-42-8†	63869.7	1.0263 mg/L	0.00101	1.0263 mg/L	0.00101		0.10%
QC value within limits for Boron,7440-42-8 Recovery = 102.63%							
Cadmium,7440-43-9†	242624.8	0.9797 mg/L	0.00217	0.9797 mg/L	0.00217		0.22%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.97%							
Calcium,7440-70-2†	269550.3	193.5 mg/L	2.38	193.5 mg/L	2.38		1.23%
QC value within limits for Calcium,7440-70-2 Recovery = 96.75%							
Chromium,7440-47-3†	87422.2	0.4978 mg/L	0.00071	0.4978 mg/L	0.00071		0.14%
QC value within limits for Chromium,7440-47-3 Recovery = 99.56%							
Cobalt,7440-48-4†	26356.5	0.4850 mg/L	0.00606	0.4850 mg/L	0.00606		1.25%
QC value within limits for Cobalt,7440-48-4 Recovery = 97.00%							
Copper,7440-50-8†	192909.1	0.5203 mg/L	0.00024	0.5203 mg/L	0.00024		0.05%
QC value within limits for Copper,7440-50-8 Recovery = 104.06%							
Iron,7439-89-6†	75443.4	77.124 mg/L	0.2320	77.124 mg/L	0.2320		0.30%
QC value within limits for Iron,7439-89-6 Recovery = 96.40%							
Lead,7439-92-1†	11001.4	0.9779 mg/L	0.01553	0.9779 mg/L	0.01553		1.59%
QC value within limits for Lead,7439-92-1 Recovery = 97.79%							
Lithium,7439-93-2†	-235.8	-0.0036 mg/L	0.00101	-0.0036 mg/L	0.00101		27.88%
Magnesium,7439-95-4†	41116.4	197.98 mg/L	0.291	197.98 mg/L	0.291		0.15%
QC value within limits for Magnesium,7439-95-4 Recovery = 98.99%							
Manganese,7439-96-5†	404702.1	0.4973 mg/L	0.00067	0.4973 mg/L	0.00067		0.13%
QC value within limits for Manganese,7439-96-5 Recovery = 99.46%							
Molybdenum,7439-98-7†	29392.2	0.9990 mg/L	0.01186	0.9990 mg/L	0.01186		1.19%
QC value within limits for Molybdenum,7439-98-7 Recovery = 99.90%							
Nickel,7440-02-0†	51387.4	0.9637 mg/L	0.01150	0.9637 mg/L	0.01150		1.19%
QC value within limits for Nickel,7440-02-0 Recovery = 96.37%							
Potassium,7440-09-7†	61.1	-0.0679 mg/L	0.02704	-0.0679 mg/L	0.02704		39.85%
Selenium,7782-49-2†	1736.5	1.0027 mg/L	0.01176	1.0027 mg/L	0.01176		1.17%
QC value within limits for Selenium,7782-49-2 Recovery = 100.27%							
Silicon,7440-21-3†	112.8	0.3044 mg/L	0.00523	0.3044 mg/L	0.00523		1.72%
Silver,7440-22-4†	309508.7	1.0505 mg/L	0.00101	1.0505 mg/L	0.00101		0.10%
QC value within limits for Silver,7440-22-4 Recovery = 105.05%							
Sodium,7440-23-5†	5382.8	1.4686 mg/L	0.05497	1.4686 mg/L	0.05497		3.74%
Strontium,7440-24-6†	2347.2	0.0033 mg/L	0.00006	0.0033 mg/L	0.00006		1.83%
Thallium,7440-28-0†	6653.3	1.0657 mg/L	0.01476	1.0657 mg/L	0.01476		1.39%
QC value within limits for Thallium,7440-28-0 Recovery = 106.57%							
Tin,7440-31-5†	-180.5	-0.0156 mg/L	0.00230	-0.0156 mg/L	0.00230		14.81%
Titanium,7440-32-6†	-54.3	-0.0003 mg/L	0.00006	-0.0003 mg/L	0.00006		25.32%
Vanadium,7440-62-2†	54842.8	0.5034 mg/L	0.00126	0.5034 mg/L	0.00126		0.25%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.69%							
Zinc,7440-66-6†	191304.8	0.9797 mg/L	0.00087	0.9797 mg/L	0.00087		0.09%
QC value within limits for Zinc,7440-66-6 Recovery = 97.97%							
Zirconium,7440-67-7†	-4746.5	-0.0100 mg/L	0.00026	-0.0100 mg/L	0.00026		2.59%

All analyte(s) passed QC.

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Sequence No.: 10 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/8/2006 1:59:23 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:35 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	83651.1	98.760	%	0.3478				0.35%
Ar 420.067 R	921059.7	99.092	%	0.0189				0.02%
Scandium-IS	2735248.5	98.017	%	0.8296				0.85%

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Yttrium,7440-65-5A	1454066.1	96.329 %	0.8014				0.83%
Yttrium,7440-65-5R	70194.9	97.149 %	1.5782				1.62%
Aluminum,7429-90-5†	2575.5	4.985 mg/L	0.0233	4.985 mg/L	0.0233		0.47%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.71%							
Antimony,7440-36-0†	1545.2	0.5015 mg/L	0.00776	0.5015 mg/L	0.00776		1.55%
QC value within limits for Antimony,7440-36-0 Recovery = 100.30%							
Arsenic,7440-38-2†	1556.1	0.5084 mg/L	0.00495	0.5084 mg/L	0.00495		0.97%
QC value within limits for Arsenic,7440-38-2 Recovery = 101.67%							
Barium,7440-39-3†	89632.9	0.5045 mg/L	0.00159	0.5045 mg/L	0.00159		0.32%
QC value within limits for Barium,7440-39-3 Recovery = 100.90%							
Beryllium,7440-41-7†	2029266.3	0.5013 mg/L	0.00124	0.5013 mg/L	0.00124		0.25%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.26%							
Boron,7440-42-8†	161712.1	2.4897 mg/L	0.01167	2.4897 mg/L	0.01167		0.47%
QC value within limits for Boron,7440-42-8 Recovery = 99.59%							
Cadmium,7440-43-9†	124119.2	0.5024 mg/L	0.00238	0.5024 mg/L	0.00238		0.47%
QC value within limits for Cadmium,7440-43-9 Recovery = 100.48%							
Calcium,7440-70-2†	6901.0	4.953 mg/L	0.0235	4.953 mg/L	0.0235		0.47%
QC value within limits for Calcium,7440-70-2 Recovery = 99.06%							
Chromium,7440-47-3†	83846.7	0.5044 mg/L	0.00161	0.5044 mg/L	0.00161		0.32%
QC value within limits for Chromium,7440-47-3 Recovery = 100.87%							
Cobalt,7440-48-4†	27305.9	0.5045 mg/L	0.00560	0.5045 mg/L	0.00560		1.11%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.89%							
Copper,7440-50-8†	182243.0	0.4993 mg/L	0.00099	0.4993 mg/L	0.00099		0.20%
QC value within limits for Copper,7440-50-8 Recovery = 99.85%							
Iron,7439-89-6†	4806.7	4.9141 mg/L	0.02320	4.9141 mg/L	0.02320		0.47%
QC value within limits for Iron,7439-89-6 Recovery = 98.28%							
Lead,7439-92-1†	5786.4	0.5044 mg/L	0.00628	0.5044 mg/L	0.00628		1.25%
QC value within limits for Lead,7439-92-1 Recovery = 100.89%							
Lithium,7439-93-2†	24699.6	0.4980 mg/L	0.01225	0.4980 mg/L	0.01225		2.46%
QC value within limits for Lithium,7439-93-2 Recovery = 99.61%							
Magnesium,7439-95-4†	1034.8	4.9856 mg/L	0.02362	4.9856 mg/L	0.02362		0.47%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.71%							
Manganese,7439-96-5†	413090.1	0.5060 mg/L	0.00162	0.5060 mg/L	0.00162		0.32%
QC value within limits for Manganese,7439-96-5 Recovery = 101.19%							
Molybdenum,7439-98-7†	14845.5	0.5042 mg/L	0.00513	0.5042 mg/L	0.00513		1.02%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.84%							
Nickel,7440-02-0†	26923.5	0.5054 mg/L	0.00565	0.5054 mg/L	0.00565		1.12%
QC value within limits for Nickel,7440-02-0 Recovery = 101.08%							
Potassium,7440-09-7†	20810.4	10.027 mg/L	0.2360	10.027 mg/L	0.2360		2.35%
QC value within limits for Potassium,7440-09-7 Recovery = 100.27%							
Selenium,7782-49-2†	913.4	0.5059 mg/L	0.00737	0.5059 mg/L	0.00737		1.46%
QC value within limits for Selenium,7782-49-2 Recovery = 101.18%							
Silicon,7440-21-3†	259.4	0.4875 mg/L	0.00276	0.4875 mg/L	0.00276		0.57%
QC value within limits for Silicon,7440-21-3 Recovery = 97.49%							
Silver,7440-22-4†	150328.4	0.5037 mg/L	0.00136	0.5037 mg/L	0.00136		0.27%
QC value within limits for Silver,7440-22-4 Recovery = 100.75%							
Sodium,7440-23-5†	72843.1	20.288 mg/L	0.2182	20.288 mg/L	0.2182		1.08%
QC value within limits for Sodium,7440-23-5 Recovery = 101.44%							
Strontium,7440-24-6†	164958.8	0.5153 mg/L	0.00600	0.5153 mg/L	0.00600		1.16%
QC value within limits for Strontium,7440-24-6 Recovery = 103.06%							
Thallium,7440-28-0†	3158.1	0.5111 mg/L	0.00744	0.5111 mg/L	0.00744		1.46%
QC value within limits for Thallium,7440-28-0 Recovery = 102.21%							
Tin,7440-31-5†	4946.8	0.5024 mg/L	0.00652	0.5024 mg/L	0.00652		1.30%
QC value within limits for Tin,7440-31-5 Recovery = 100.48%							
Titanium,7440-32-6†	270948.4	0.5037 mg/L	0.00094	0.5037 mg/L	0.00094		0.19%
QC value within limits for Titanium,7440-32-6 Recovery = 100.74%							
Vanadium,7440-62-2†	54625.5	0.5017 mg/L	0.00220	0.5017 mg/L	0.00220		0.44%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.33%							
Zinc,7440-66-6†	96328.2	0.5008 mg/L	0.00156	0.5008 mg/L	0.00156		0.31%
QC value within limits for Zinc,7440-66-6 Recovery = 100.15%							
Zirconium,7440-67-7†	210830.6	0.5026 mg/L	0.00086	0.5026 mg/L	0.00086		0.17%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.52%							

All analyte(s) passed QC.

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Sequence No.: 11
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/8/2006 2:06:04 PM
Data Type: Reprocessed on 8/9/2006 8:14:37 AM

Initial Sample Vol:
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	83935.2	99.096	%	0.3131				0.32%
Ar 420.067 R	923241.6	99.326	%	0.0768				0.08%
Scandium-IS	2750729.4	98.572	%	0.6929				0.70%
Yttrium,7440-65-5A	1488681.0	98.622	%	0.6926				0.70%
Yttrium,7440-65-5R	72065.7	99.738	%	0.9918				0.99%
Aluminum,7429-90-5†	-0.4	-0.001	mg/L	0.0087	-0.001	mg/L	0.0087	>999.9%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	6.4	0.0021	mg/L	0.00478	0.0021	mg/L	0.00478	229.68%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	7.9	0.0026	mg/L	0.00091	0.0026	mg/L	0.00091	35.46%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	3.2	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	389.88%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-22.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	344.84%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	834.7	0.0128	mg/L	0.00150	0.0128	mg/L	0.00150	11.68%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	2.2	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	267.53%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	0.8	0.001	mg/L	0.0040	0.001	mg/L	0.0040	690.15%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	19.8	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	80.47%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-5.2	-0.0001	mg/L	0.00049	-0.0001	mg/L	0.00049	501.21%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	37.7	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	102.42%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	2.5	0.0025	mg/L	0.00166	0.0025	mg/L	0.00166	65.16%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	10.0	0.0009	mg/L	0.00093	0.0009	mg/L	0.00093	106.90%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-194.2	-0.0039	mg/L	0.00044	-0.0039	mg/L	0.00044	11.20%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	2.8	0.0135	mg/L	0.01395	0.0135	mg/L	0.01395	103.67%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	58.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	42.04%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	3.6	0.0001	mg/L	0.00051	0.0001	mg/L	0.00051	412.15%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-9.8	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	126.26%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	32.2	0.0155	mg/L	0.03329	0.0155	mg/L	0.03329	214.42%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	0.0	0.0000	mg/L	0.00457	0.0000	mg/L	0.00457	>999.9%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-0.9	-0.0017	mg/L	0.00688	-0.0017	mg/L	0.00688	394.67%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-27.2	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	87.57%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-886.2	-0.2468	mg/L	0.03183	-0.2468	mg/L	0.03183	12.90%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	63.3	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	65.28%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	4.2	0.0007	mg/L	0.00130	0.0007	mg/L	0.00130	190.33%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-3.3	-0.0003	mg/L	0.00035	-0.0003	mg/L	0.00035	102.96%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	5.5	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	609.06%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	83.6	0.0008	mg/L	0.00030	0.0008	mg/L	0.00030	39.45%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	31.4	0.0002	mg/L	0.00007	0.0002	mg/L	0.00007	41.68%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	226.1	0.0005	mg/L	0.00006	0.0005	mg/L	0.00006	10.70%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analyte(s) passed QC.

001461

167922

Sequence No.: 12
Sample ID: 20608042408
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 17
Date Collected: 8/8/2006 2:12:36 PM
Data Type: Reprocessed on 8/9/2006 8:14:39 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042408

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	74769.3	88.274	%	0.1350				0.15%
Ar 420.067 R	850613.2	91.513	%	0.4419				0.48%
Scandium-IS	2362673.9	84.666	%	1.0599				1.25%
Yttrium,7440-65-5A	1229309.9	81.439	%	0.9668				1.19%
Yttrium,7440-65-5R	64684.1	89.522	%	1.7102				1.91%
Aluminum,7429-90-5†	29.4	0.052	mg/L	0.0187	0.258	mg/L	0.0933	36.11%
Antimony,7440-36-0†	16.5	0.0057	mg/L	0.00282	0.0283	mg/L	0.01408	49.72%
Arsenic,7440-38-2†	-72.3	-0.0286	mg/L	0.00098	-0.1432	mg/L	0.00490	3.42%
Barium,7440-39-3†	2814.6	0.0150	mg/L	0.00025	0.0748	mg/L	0.00123	1.64%
Beryllium,7440-41-7†	-42.0	-0.0001	mg/L	0.00002	-0.0007	mg/L	0.00010	14.51%
Boron,7440-42-8†	39428.9	0.6002	mg/L	0.00219	3.0009	mg/L	0.01093	0.36%
Cadmium,7440-43-9†	-254.2	-0.0012	mg/L	0.00009	-0.0062	mg/L	0.00043	6.92%
Calcium,7440-70-2†	262037.8	188.1	mg/L	3.98	940.5	mg/L	19.88	2.11%
Chromium,7440-47-3†	5497.8	0.0296	mg/L	0.00086	0.1481	mg/L	0.00431	2.91%
Cobalt,7440-48-4†	-58.2	-0.0012	mg/L	0.00010	-0.0058	mg/L	0.00049	8.44%
Copper,7440-50-8†	3375.4	-0.0049	mg/L	0.00035	-0.0246	mg/L	0.00174	7.07%
Iron,7439-89-6†	2560.2	2.6439	mg/L	0.03752	13.219	mg/L	0.1876	1.42%
Lead,7439-92-1†	-27.4	-0.0015	mg/L	0.00111	-0.0076	mg/L	0.00557	73.39%
Lithium,7439-93-2†	3166.8	0.0652	mg/L	0.00117	0.3259	mg/L	0.00586	1.80%
Magnesium,7439-95-4†	65519.0	315.40	mg/L	6.193	1577.0	mg/L	30.96	1.96%
Manganese,7439-96-5†	1091062.0	1.3402	mg/L	0.00208	6.7010	mg/L	0.01042	0.16%
Molybdenum,7439-98-7†	-12.3	-0.0009	mg/L	0.00064	-0.0043	mg/L	0.00318	74.21%
Nickel,7440-02-0†	77.8	0.0014	mg/L	0.00026	0.0072	mg/L	0.00128	17.83%
Potassium,7440-09-7†	118494.2	57.029	mg/L	1.1679	285.14	mg/L	5.839	2.05%
Selenium,7782-49-2†	-14.1	-0.0070	mg/L	0.00468	-0.0350	mg/L	0.02340	66.88%
Silicon,7440-21-3†	1269.4	2.2688	mg/L	0.04540	11.344	mg/L	0.2270	2.00%
Silver,7440-22-4†	320.7	0.0013	mg/L	0.00038	0.0063	mg/L	0.00188	30.07%
Sodium,7440-23-5†	6519668.9	1815.8	mg/L	40.28	9079.2	mg/L	201.42	2.22%
Strontium,7440-24-6†	752130.3	2.3463	mg/L	0.04920	11.731	mg/L	0.2460	2.10%
Thallium,7440-28-0†	0.9	0.0010	mg/L	0.00135	0.0051	mg/L	0.00673	130.97%
Tin,7440-31-5†	-221.0	-0.0126	mg/L	0.00073	-0.0630	mg/L	0.00364	5.77%
Titanium,7440-32-6†	185.4	0.0004	mg/L	0.00024	0.0020	mg/L	0.00121	59.12%
Vanadium,7440-62-2†	-1179.1	-0.0031	mg/L	0.00135	-0.0153	mg/L	0.00676	44.08%
Zinc,7440-66-6†	75.1	-0.0134	mg/L	0.00020	-0.0669	mg/L	0.00099	1.49%
Zirconium,7440-67-7†	-5556.5	-0.0118	mg/L	0.00027	-0.0591	mg/L	0.00134	2.27%

Sequence No.: 13
Sample ID: 20608020418 Na
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 18
Date Collected: 8/8/2006 2:19:21 PM
Data Type: Reprocessed on 8/9/2006 8:14:40 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608020418 Na

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	80735.5	95.318	%	0.2976				0.31%
Ar 420.067 R	907284.0	97.609	%	0.1265				0.13%
Scandium-IS	2623309.5	94.006	%	0.9911				1.05%
Yttrium,7440-65-5A	1381235.9	91.504	%	0.8530				0.93%
Yttrium,7440-65-5R	68728.3	95.119	%	1.1217				1.18%
Aluminum,7429-90-5†	-0.4	-0.002	mg/L	0.0053	-0.022	mg/L	0.0532	240.77%
Antimony,7440-36-0†	9.8	0.0033	mg/L	0.00282	0.0328	mg/L	0.02823	86.10%
Arsenic,7440-38-2†	-56.9	-0.0198	mg/L	0.00074	-0.1977	mg/L	0.00740	3.74%
Barium,7440-39-3†	334.4	0.0017	mg/L	0.00008	0.0168	mg/L	0.00080	4.80%
Beryllium,7440-41-7†	-150.8	-0.0001	mg/L	0.00002	-0.0008	mg/L	0.00021	26.56%

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Boron,7440-42-8†	29659.3	0.4543 mg/L	0.00128	4.5432 mg/L	0.01275	0.28%
Cadmium,7440-43-9†	-121.6	-0.0005 mg/L	0.00005	-0.0053 mg/L	0.00049	9.31%
Calcium,7440-70-2†	65522.3	47.03 mg/L	0.635	470.3 mg/L	6.35	1.35%
Chromium,7440-47-3†	1791.0	0.0099 mg/L	0.00016	0.0994 mg/L	0.00164	1.65%
Cobalt,7440-48-4†	-53.0	-0.0010 mg/L	0.00012	-0.0100 mg/L	0.00117	11.75%
Copper,7440-50-8†	1968.7	0.0018 mg/L	0.00015	0.0183 mg/L	0.00155	8.45%
Iron,7439-89-6†	202.9	0.2137 mg/L	0.00178	2.1366 mg/L	0.01781	0.83%
Lead,7439-92-1†	-4.9	-0.0002 mg/L	0.00047	-0.0022 mg/L	0.00472	219.28%
Lithium,7439-93-2†	433.2	0.0090 mg/L	0.00116	0.0905 mg/L	0.01157	12.79%
Magnesium,7439-95-4†	15115.2	72.762 mg/L	0.9776	727.62 mg/L	9.776	1.34%
Manganese,7439-96-5†	339311.1	0.4165 mg/L	0.00072	4.1652 mg/L	0.00718	0.17%
Molybdenum,7439-98-7†	901.7	0.0305 mg/L	0.00039	0.3052 mg/L	0.00388	1.27%
Nickel,7440-02-0†	9.0	0.0002 mg/L	0.00024	0.0015 mg/L	0.00241	156.15%
Potassium,7440-09-7†	1931.8	0.9046 mg/L	0.01846	9.0462 mg/L	0.18463	2.04%
Selenium,7782-49-2†	-0.6	-0.0005 mg/L	0.00279	-0.0046 mg/L	0.02788	609.20%
Silicon,7440-21-3†	560.1	1.0167 mg/L	0.01019	10.167 mg/L	0.1019	1.00%
Silver,7440-22-4†	78.7	0.0002 mg/L	0.00014	0.0020 mg/L	0.00135	68.15%
Sodium,7440-23-5†	1168944.0	325.57 mg/L	2.126	3255.7 mg/L	21.26	0.65%
Strontium,7440-24-6†	183206.6	0.5715 mg/L	0.00310	5.7148 mg/L	0.03098	0.54%
Thallium,7440-28-0†	-4.7	-0.0003 mg/L	0.00182	-0.0027 mg/L	0.01821	675.80%
Tin,7440-31-5†	-132.9	-0.0111 mg/L	0.00025	-0.1111 mg/L	0.00245	2.21%
Titanium,7440-32-6†	116.1	0.0002 mg/L	0.00003	0.0023 mg/L	0.00029	12.77%
Vanadium,7440-62-2†	-737.3	-0.0050 mg/L	0.00066	-0.0495 mg/L	0.00662	13.38%
Zinc,7440-66-6†	-61.8	-0.0036 mg/L	0.00014	-0.0360 mg/L	0.00144	4.00%
Zirconium,7440-67-7†	-2795.9	-0.0063 mg/L	0.00018	-0.0632 mg/L	0.00181	2.87%

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Sequence No.: 14
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 19
Date Collected: 8/8/2006 2:25:58 PM
Data Type: Reprocessed on 8/9/2006 8:14:42 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	84061.7	99.245	%	0.1718				0.17%
Ar 420.067 R	931635.4	100.23	%	0.145				0.14%
Scandium-IS	2731015.6	97.866	%	0.7188				0.73%
Yttrium,7440-65-5A	1477848.1	97.904	%	0.6675				0.68%
Yttrium,7440-65-5R	70910.5	98.139	%	2.0639				2.10%
Aluminum,7429-90-5†	-1.4	-0.003	mg/L	0.0166	-0.003	mg/L	0.0166	602.95%
Antimony,7440-36-0†	4.6	0.0015	mg/L	0.00375	0.0015	mg/L	0.00375	248.01%
Arsenic,7440-38-2†	9.9	0.0032	mg/L	0.00131	0.0032	mg/L	0.00131	40.69%
Barium,7440-39-3†	14.4	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	106.13%
Beryllium,7440-41-7†	35.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	109.21%
Boron,7440-42-8†	179.4	0.0028	mg/L	0.00063	0.0028	mg/L	0.00063	22.75%
Cadmium,7440-43-9†	-14.9	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	26.04%
Calcium,7440-70-2†	-0.6	0.000	mg/L	0.0021	0.000	mg/L	0.0021	500.04%
Chromium,7440-47-3†	21.4	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	95.86%
Cobalt,7440-48-4†	-18.3	-0.0003	mg/L	0.00018	-0.0003	mg/L	0.00018	53.54%
Copper,7440-50-8†	112.8	0.0003	mg/L	0.00038	0.0003	mg/L	0.00038	122.46%
Iron,7439-89-6†	-0.9	-0.0009	mg/L	0.00375	-0.0009	mg/L	0.00375	429.11%
Lead,7439-92-1†	-1.3	-0.0001	mg/L	0.00164	-0.0001	mg/L	0.00164	>999.9%
Lithium,7439-93-2†	-287.3	-0.0058	mg/L	0.00045	-0.0058	mg/L	0.00045	7.85%
Magnesium,7439-95-4†	4.1	0.0198	mg/L	0.02150	0.0198	mg/L	0.02150	108.37%
Manganese,7439-96-5†	28.7	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	98.99%
Molybdenum,7439-98-7†	-6.9	-0.0002	mg/L	0.00072	-0.0002	mg/L	0.00072	307.76%
Nickel,7440-02-0†	-1.1	0.0000	mg/L	0.00027	0.0000	mg/L	0.00027	>999.9%
Potassium,7440-09-7†	70.3	0.0339	mg/L	0.02885	0.0339	mg/L	0.02885	85.13%
Selenium,7782-49-2†	-1.9	-0.0010	mg/L	0.00447	-0.0010	mg/L	0.00447	426.42%
Silicon,7440-21-3†	2.8	0.0052	mg/L	0.00218	0.0052	mg/L	0.00218	42.04%
Silver,7440-22-4†	-128.1	-0.0004	mg/L	0.00011	-0.0004	mg/L	0.00011	26.54%
Sodium,7440-23-5†	1536.5	0.4280	mg/L	0.12328	0.4280	mg/L	0.12328	28.81%
Strontium,7440-24-6†	90.4	0.0003	mg/L	0.00025	0.0003	mg/L	0.00025	87.07%
Thallium,7440-28-0†	-12.7	-0.0020	mg/L	0.00049	-0.0020	mg/L	0.00049	24.29%
Tin,7440-31-5†	-19.5	-0.0020	mg/L	0.00054	-0.0020	mg/L	0.00054	27.47%
Titanium,7440-32-6†	-68.6	-0.0001	mg/L	0.00024	-0.0001	mg/L	0.00024	185.27%
Vanadium,7440-62-2†	92.8	0.0009	mg/L	0.00055	0.0009	mg/L	0.00055	64.62%

Zinc,7440-66-6†	-62.9	-0.0003	mg/L	0.00008	-0.0003	mg/L	0.00008 23.69%
Zirconium,7440-67-7†	-103.0	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004 16.02%

Sequence No.: 15
Sample ID: 397829
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 20
Date Collected: 8/8/2006 2:32:43 PM
Data Type: Reprocessed on 8/9/2006 8:14:44 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 397829

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	84993.5	100.35	%	0.461				0.46%
Ar 420.067 R	934725.7	100.56	%	0.269				0.27%
Scandium-IS	2815049.5	100.88	%	0.491				0.49%
Yttrium,7440-65-5A	1517387.1	100.52	%	0.450				0.45%
Yttrium,7440-65-5R	72281.4	100.04	%	1.249				1.25%
Aluminum,7429-90-5†	-4.6	-0.009	mg/L	0.0211	-0.009	mg/L	0.0211	236.65%
Antimony,7440-36-0†	1.0	0.0003	mg/L	0.00146	0.0003	mg/L	0.00146	435.51%
Arsenic,7440-38-2†	4.2	0.0014	mg/L	0.00170	0.0014	mg/L	0.00170	125.29%
Barium,7440-39-3†	7.1	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	80.41%
Beryllium,7440-41-7†	-50.8	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	182.47%
Boron,7440-42-8†	-31.3	-0.0005	mg/L	0.00025	-0.0005	mg/L	0.00025	51.86%
Cadmium,7440-43-9†	65.2	0.0003	mg/L	0.00004	0.0003	mg/L	0.00004	13.56%
Calcium,7440-70-2†	27.8	0.020	mg/L	0.0021	0.020	mg/L	0.0021	10.65%
Chromium,7440-47-3†	2.9	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	251.25%
Cobalt,7440-48-4†	-3.8	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	104.92%
Copper,7440-50-8†	-58.9	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	41.13%
Iron,7439-89-6†	7.0	0.0071	mg/L	0.00257	0.0071	mg/L	0.00257	36.01%
Lead,7439-92-1†	19.4	0.0017	mg/L	0.00095	0.0017	mg/L	0.00095	56.07%
Lithium,7439-93-2†	-348.4	-0.0070	mg/L	0.00071	-0.0070	mg/L	0.00071	10.09%
Magnesium,7439-95-4†	2.9	0.0141	mg/L	0.01767	0.0141	mg/L	0.01767	125.00%
Manganese,7439-96-5†	1095.3	0.0013	mg/L	0.00002	0.0013	mg/L	0.00002	1.78%
Molybdenum,7439-98-7†	-22.6	-0.0008	mg/L	0.00021	-0.0008	mg/L	0.00021	27.92%
Nickel,7440-02-0†	-17.7	-0.0003	mg/L	0.00027	-0.0003	mg/L	0.00027	80.81%
Potassium,7440-09-7†	67.8	0.0327	mg/L	0.01613	0.0327	mg/L	0.01613	49.32%
Selenium,7782-49-2†	3.9	0.0021	mg/L	0.00210	0.0021	mg/L	0.00210	98.71%
Silicon,7440-21-3†	1.8	0.0034	mg/L	0.00276	0.0034	mg/L	0.00276	80.81%
Silver,7440-22-4†	-95.7	-0.0003	mg/L	0.00013	-0.0003	mg/L	0.00013	42.23%
Sodium,7440-23-5†	2080.4	0.5794	mg/L	0.05937	0.5794	mg/L	0.05937	10.25%
Strontium,7440-24-6†	102.7	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	44.64%
Thallium,7440-28-0†	3.2	0.0005	mg/L	0.00115	0.0005	mg/L	0.00115	220.94%
Tin,7440-31-5†	-21.5	-0.0022	mg/L	0.00056	-0.0022	mg/L	0.00056	25.80%
Titanium,7440-32-6†	-22.2	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	246.68%
Vanadium,7440-62-2†	-1.2	0.0000	mg/L	0.00046	0.0000	mg/L	0.00046	>999.9%
Zinc,7440-66-6†	520.2	0.0027	mg/L	0.00007	0.0027	mg/L	0.00007	2.63%
Zirconium,7440-67-7†	-181.7	-0.0004	mg/L	0.00014	-0.0004	mg/L	0.00014	31.42%

Sequence No.: 16
Sample ID: 160-58-1
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 8/8/2006 2:57:17 PM
Data Type: Reprocessed on 8/9/2006 8:14:46 AM

Initial Sample Vol:
Sample Prep Vol:

data not used CLB 8/9/06

Mean Data: 160-58-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	83845.8	98.990	%	0.4102				0.41%
Ar 420.067 R	918377.0	98.803	%	0.2723				0.28%
Scandium-IS	2674850.2	95.853	%	5.0073				5.22%
Yttrium,7440-65-5A	1457399.2	96.550	%	4.1045				4.25%
Yttrium,7440-65-5R	71625.1	99.128	%	0.9484				0.96%
Aluminum,7429-90-5†	3.5	0.007	mg/L	0.0049	0.007	mg/L	0.0049	69.83%
Antimony,7440-36-0†	25.8	0.0084	mg/L	0.00413	0.0084	mg/L	0.00413	49.19%
Arsenic,7440-38-2†	0.2	0.0001	mg/L	0.00304	0.0001	mg/L	0.00304	>999.9%

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Barium,7440-39-3†	0.2	0.0000 mg/L	0.00011	0.0000 mg/L	0.00011	>999.9%
Beryllium,7440-41-7†	-9.6	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	492.49%
Boron,7440-42-8†	-151.7	-0.0023 mg/L	0.00048	-0.0023 mg/L	0.00048	20.60%
Cadmium,7440-43-9†	-29.1	-0.0001 mg/L	0.00014	-0.0001 mg/L	0.00014	119.89%
Calcium,7440-70-2†	-0.6	0.000 mg/L	0.0020	0.000 mg/L	0.0020	471.46%
Chromium,7440-47-3†	45.5	0.0003 mg/L	0.00032	0.0003 mg/L	0.00032	115.24%
Cobalt,7440-48-4†	239.2	0.0044 mg/L	0.00054	0.0044 mg/L	0.00054	12.29%
Copper,7440-50-8†	216.8	0.0006 mg/L	0.00115	0.0006 mg/L	0.00115	194.53%
Iron,7439-89-6†	2.4	0.0024 mg/L	0.00303	0.0024 mg/L	0.00303	123.64%
Lead,7439-92-1†	71.5	0.0062 mg/L	0.00116	0.0062 mg/L	0.00116	18.56%
Lithium,7439-93-2†	-171.9	-0.0035 mg/L	0.00054	-0.0035 mg/L	0.00054	15.59%
Magnesium,7439-95-4†	-0.6	-0.0029 mg/L	0.03300	-0.0029 mg/L	0.03300	>999.9%
Manganese,7439-96-5†	57.3	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	190.41%
Molybdenum,7439-98-7†	597.6	0.0203 mg/L	0.00107	0.0203 mg/L	0.00107	5.28%
Nickel,7440-02-0†	244.9	0.0046 mg/L	0.00050	0.0046 mg/L	0.00050	10.93%
Potassium,7440-09-7†	59.0	0.0284 mg/L	0.01866	0.0284 mg/L	0.01866	65.64%
Selenium,7782-49-2†	9.6	0.0053 mg/L	0.00510	0.0053 mg/L	0.00510	96.66%
Silicon,7440-21-3†	5.1	0.0094 mg/L	0.00831	0.0094 mg/L	0.00831	88.55%
Silver,7440-22-4†	-123.6	-0.0004 mg/L	0.00013	-0.0004 mg/L	0.00013	31.02%
Sodium,7440-23-5†	1029.5	0.2867 mg/L	0.21400	0.2867 mg/L	0.21400	74.64%
Strontium,7440-24-6†	118.5	0.0004 mg/L	0.00041	0.0004 mg/L	0.00041	110.97%
Thallium,7440-28-0†	2.9	0.0005 mg/L	0.00102	0.0005 mg/L	0.00102	206.65%
Tin,7440-31-5†	233.8	0.0237 mg/L	0.00130	0.0237 mg/L	0.00130	5.46%
Titanium,7440-32-6†	18.9	0.0000 mg/L	0.00017	0.0000 mg/L	0.00017	484.89%
Vanadium,7440-62-2†	710.1	0.0065 mg/L	0.00189	0.0065 mg/L	0.00189	28.99%
Zinc,7440-66-6†	-15.6	-0.0001 mg/L	0.00013	-0.0001 mg/L	0.00013	112.58%
Zirconium,7440-67-7†	-260.4	-0.0006 mg/L	0.00014	-0.0006 mg/L	0.00014	22.10%

Sequence No.: 17
Sample ID: 160-58-1
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 8/8/2006 3:04:01 PM
Data Type: Reprocessed on 8/9/2006 8:14:48 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 160-58-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	83730.0	98.853	%	0.1024				0.10%
Ar 420.067 R	920152.9	98.994	%	0.1382				0.14%
Scandium-IS	2731382.4	97.879	%	1.3018				1.33%
Yttrium,7440-65-5A	1478507.0	97.948	%	1.3051				1.33%
Yttrium,7440-65-5R	71479.8	98.927	%	0.8245				0.83%
Aluminum,7429-90-5†	-2.6	-0.005	mg/L	0.0066	-0.005	mg/L	0.0066	132.66%
Antimony,7440-36-0†	28.9	0.0094	mg/L	0.00197	0.0094	mg/L	0.00197	21.03%
Arsenic,7440-38-2†	4.8	0.0016	mg/L	0.00095	0.0016	mg/L	0.00095	60.87%
Barium,7440-39-3†	11.9	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	139.66%
Beryllium,7440-41-7†	5.1	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	>999.9%
Boron,7440-42-8†	-220.8	-0.0034	mg/L	0.00049	-0.0034	mg/L	0.00049	14.44%
Cadmium,7440-43-9†	-7.1	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	349.84%
Calcium,7440-70-2†	-1.4	-0.001	mg/L	0.0017	-0.001	mg/L	0.0017	169.10%
Chromium,7440-47-3†	1.2	0.0000	mg/L	0.00019	0.0000	mg/L	0.00019	>999.9%
Cobalt,7440-48-4†	248.8	0.0046	mg/L	0.00028	0.0046	mg/L	0.00028	6.12%
Copper,7440-50-8†	58.1	0.0002	mg/L	0.00046	0.0002	mg/L	0.00046	291.47%
Iron,7439-89-6†	1.1	0.0011	mg/L	0.00251	0.0011	mg/L	0.00251	219.44%
Lead,7439-92-1†	61.9	0.0054	mg/L	0.00125	0.0054	mg/L	0.00125	23.14%
Lithium,7439-93-2†	-160.0	-0.0032	mg/L	0.00099	-0.0032	mg/L	0.00099	30.56%
Magnesium,7439-95-4†	-2.1	-0.0103	mg/L	0.01878	-0.0103	mg/L	0.01878	181.62%
Manganese,7439-96-5†	2.8	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	>999.9%
Molybdenum,7439-98-7†	575.4	0.0195	mg/L	0.00073	0.0195	mg/L	0.00073	3.71%
Nickel,7440-02-0†	234.3	0.0044	mg/L	0.00006	0.0044	mg/L	0.00006	1.38%
Potassium,7440-09-7†	12.5	0.0060	mg/L	0.00512	0.0060	mg/L	0.00512	84.78%
Selenium,7782-49-2†	8.8	0.0048	mg/L	0.00317	0.0048	mg/L	0.00317	65.60%
Silicon,7440-21-3†	-0.5	-0.0010	mg/L	0.00544	-0.0010	mg/L	0.00544	565.29%
Silver,7440-22-4†	-69.1	-0.0002	mg/L	0.00018	-0.0002	mg/L	0.00018	80.25%
Sodium,7440-23-5†	-780.3	-0.2173	mg/L	0.05971	-0.2173	mg/L	0.05971	27.47%
Strontium,7440-24-6†	38.6	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	106.30%
Thallium,7440-28-0†	15.3	0.0025	mg/L	0.00103	0.0025	mg/L	0.00103	41.77%
Tin,7440-31-5†	224.8	0.0228	mg/L	0.00085	0.0228	mg/L	0.00085	3.70%

Titanium,7440-32-6†	-21.6	0.0000	mg/L	0.00021	0.0000	mg/L	0.00021 525.74%
Vanadium,7440-62-2†	600.7	0.0055	mg/L	0.00042	0.0055	mg/L	0.00042 7.54%
Zinc,7440-66-6†	-39.0	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006 26.73%
Zirconium,7440-67-7†	-146.6	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006 15.86%

Sequence No.: 18 **Autosampler Location: 23**
Sample ID: 397830 **Date Collected: 8/8/2006 3:10:46 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:50 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 397830

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	84404.0	99.649	%	0.2146				0.22%
Ar 420.067 R	930234.4	100.08	%	0.189				0.19%
Scandium-IS	2772671.6	99.358	%	0.6468				0.65%
Yttrium,7440-65-5A	1473916.9	97.644	%	0.5721				0.59%
Yttrium,7440-65-5R	71635.2	99.142	%	0.8821				0.89%
Aluminum,7429-90-5†	2433.8	4.711	mg/L	0.0181	4.711	mg/L	0.0181	0.38%
Antimony,7440-36-0†	1462.5	0.4747	mg/L	0.00662	0.4747	mg/L	0.00662	1.40%
Arsenic,7440-38-2†	1463.2	0.4780	mg/L	0.00527	0.4780	mg/L	0.00527	1.10%
Barium,7440-39-3†	85221.6	0.4797	mg/L	0.00068	0.4797	mg/L	0.00068	0.14%
Beryllium,7440-41-7†	1914279.1	0.4729	mg/L	0.00083	0.4729	mg/L	0.00083	0.17%
Boron,7440-42-8†	153563.0	2.3642	mg/L	0.00638	2.3642	mg/L	0.00638	0.27%
Cadmium,7440-43-9†	118418.7	0.4793	mg/L	0.00144	0.4793	mg/L	0.00144	0.30%
Calcium,7440-70-2†	6462.5	4.638	mg/L	0.0176	4.638	mg/L	0.0176	0.38%
Chromium,7440-47-3†	79768.3	0.4798	mg/L	0.00063	0.4798	mg/L	0.00063	0.13%
Cobalt,7440-48-4†	25920.7	0.4789	mg/L	0.00261	0.4789	mg/L	0.00261	0.55%
Copper,7440-50-8†	172174.1	0.4717	mg/L	0.00069	0.4717	mg/L	0.00069	0.15%
Iron,7439-89-6†	4536.6	4.6380	mg/L	0.01886	4.6380	mg/L	0.01886	0.41%
Lead,7439-92-1†	5502.2	0.4797	mg/L	0.00311	0.4797	mg/L	0.00311	0.65%
Lithium,7439-93-2†	23400.7	0.4718	mg/L	0.00699	0.4718	mg/L	0.00699	1.48%
Magnesium,7439-95-4†	984.6	4.7434	mg/L	0.04637	4.7434	mg/L	0.04637	0.98%
Manganese,7439-96-5†	393648.1	0.4822	mg/L	0.00103	0.4822	mg/L	0.00103	0.21%
Molybdenum,7439-98-7†	14045.9	0.4771	mg/L	0.00375	0.4771	mg/L	0.00375	0.79%
Nickel,7440-02-0†	25591.8	0.4804	mg/L	0.00354	0.4804	mg/L	0.00354	0.74%
Potassium,7440-09-7†	19994.9	9.6342	mg/L	0.15094	9.6342	mg/L	0.15094	1.57%
Selenium,7782-49-2†	882.2	0.4886	mg/L	0.00349	0.4886	mg/L	0.00349	0.71%
Silicon,7440-21-3†	237.8	0.4471	mg/L	0.00389	0.4471	mg/L	0.00389	0.87%
Silver,7440-22-4†	142418.7	0.4772	mg/L	0.00027	0.4772	mg/L	0.00027	0.06%
Sodium,7440-23-5†	68596.2	19.106	mg/L	0.4305	19.106	mg/L	0.4305	2.25%
Strontium,7440-24-6†	154268.0	0.4819	mg/L	0.00915	0.4819	mg/L	0.00915	1.90%
Thallium,7440-28-0†	2976.5	0.4817	mg/L	0.00281	0.4817	mg/L	0.00281	0.58%
Tin,7440-31-5†	4677.1	0.4750	mg/L	0.00338	0.4750	mg/L	0.00338	0.71%
Titanium,7440-32-6†	258648.8	0.4808	mg/L	0.00026	0.4808	mg/L	0.00026	0.05%
Vanadium,7440-62-2†	51966.8	0.4773	mg/L	0.00015	0.4773	mg/L	0.00015	0.03%
Zinc,7440-66-6†	90857.0	0.4723	mg/L	0.00155	0.4723	mg/L	0.00155	0.33%
Zirconium,7440-67-7†	214.1	0.0004	mg/L	0.00043	0.0004	mg/L	0.00043	102.53%

Sequence No.: 19 **Autosampler Location: 24**
Sample ID: 20608042801 D **Date Collected: 8/8/2006 3:17:29 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:52 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 20608042801 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	71432.5	84.335	%	0.1672				0.20%
Ar 420.067 R	811630.5	87.319	%	0.1991				0.23%
Scandium-IS	2230290.7	79.922	%	0.5087				0.64%
Yttrium,7440-65-5A	1158394.2	76.741	%	0.4470				0.58%
Yttrium,7440-65-5R	60695.3	84.002	%	1.8001				2.14%
Aluminum,7429-90-5†	8.6	0.012	mg/L	0.0112	0.024	mg/L	0.0224	92.81%

Antimony,7440-36-0†	17.6	0.0061	mg/L	0.00459	0.0122	mg/L	0.00918	75.19%
Arsenic,7440-38-2†	-58.1	-0.0280	mg/L	0.00135	-0.0560	mg/L	0.00269	4.81%
Barium,7440-39-3†	10724.0	0.0594	mg/L	0.00026	0.1188	mg/L	0.00053	0.44%
Beryllium,7440-41-7†	216.2	0.0001	mg/L	0.00003	0.0001	mg/L	0.00006	61.07%
Boron,7440-42-8†	103783.8	1.5842	mg/L	0.00626	3.1684	mg/L	0.01253	0.40%
Cadmium,7440-43-9†	-149.4	-0.0006	mg/L	0.00003	-0.0013	mg/L	0.00007	5.23%
Calcium,7440-70-2†	248100.0	178.0	mg/L	2.41	356.1	mg/L	4.83	1.36%
Chromium,7440-47-3†	7208.8	0.0383	mg/L	0.00012	0.0766	mg/L	0.00024	0.31%
Cobalt,7440-48-4†	-148.7	-0.0028	mg/L	0.00012	-0.0055	mg/L	0.00025	4.45%
Copper,7440-50-8†	3821.7	-0.0041	mg/L	0.00017	-0.0083	mg/L	0.00035	4.24%
Iron,7439-89-6†	-8.7	0.0336	mg/L	0.00084	0.0671	mg/L	0.00169	2.51%
Lead,7439-92-1†	-17.9	-0.0009	mg/L	0.00053	-0.0017	mg/L	0.00105	60.35%
Lithium,7439-93-2†	5040.2	0.1037	mg/L	0.00438	0.2074	mg/L	0.00877	4.23%
Magnesium,7439-95-4†	107608.7	518.02	mg/L	13.242	1036.0	mg/L	26.48	2.56%
Manganese,7439-96-5†	22513.3	0.0331	mg/L	0.00017	0.0661	mg/L	0.00034	0.52%
Molybdenum,7439-98-7†	11.8	-0.0001	mg/L	0.00063	-0.0003	mg/L	0.00126	456.86%
Nickel,7440-02-0†	0.9	0.0003	mg/L	0.00036	0.0006	mg/L	0.00072	123.09%
Potassium,7440-09-7†	389667.4	187.75	mg/L	2.819	375.50	mg/L	5.638	1.50%
Selenium,7782-49-2†	-10.4	-0.0073	mg/L	0.00293	-0.0147	mg/L	0.00585	39.92%
Silicon,7440-21-3†	700.4	1.1590	mg/L	0.01723	2.3180	mg/L	0.03447	1.49%
Silver,7440-22-4†	458.4	0.0013	mg/L	0.00010	0.0027	mg/L	0.00020	7.59%
Sodium,7440-23-5†	9624688.6	2680.6	mg/L	62.66	5361.3	mg/L	125.32	2.34%
Strontium,7440-24-6†	1079290.8	3.3687	mg/L	0.04715	6.7374	mg/L	0.09430	1.40%
Thallium,7440-28-0†	20.5	-0.0008	mg/L	0.00103	-0.0016	mg/L	0.00206	125.49%
Tin,7440-31-5†	-244.4	-0.0122	mg/L	0.00074	-0.0244	mg/L	0.00148	6.06%
Titanium,7440-32-6†	-290.0	-0.0004	mg/L	0.00021	-0.0008	mg/L	0.00042	55.11%
Vanadium,7440-62-2†	-1233.7	0.0016	mg/L	0.00039	0.0032	mg/L	0.00077	23.82%
Zinc,7440-66-6†	316.1	-0.0167	mg/L	0.00042	-0.0334	mg/L	0.00084	2.52%
Zirconium,7440-67-7†	-6340.9	-0.0136	mg/L	0.00017	-0.0271	mg/L	0.00033	1.23%

Sequence No.: 20
Sample ID: 20608042802 D
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 25
Date Collected: 8/8/2006 3:24:29 PM
Data Type: Reprocessed on 8/9/2006 8:14:53 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042802 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	71342.9	84.229	%	0.2138				0.25%
Ar 420.067 R	810118.8	87.156	%	0.0399				0.05%
Scandium-IS	2239394.3	80.249	%	0.3120				0.39%
Yttrium,7440-65-5A	1163538.9	77.082	%	0.3280				0.43%
Yttrium,7440-65-5R	59918.0	82.926	%	0.4541				0.55%
Aluminum,7429-90-5†	1336.9	2.583	mg/L	0.0129	5.166	mg/L	0.0259	0.50%
Antimony,7440-36-0†	831.8	0.2704	mg/L	0.00093	0.5408	mg/L	0.00187	0.35%
Arsenic,7440-38-2†	756.7	0.2381	mg/L	0.00583	0.4763	mg/L	0.01165	2.45%
Barium,7440-39-3†	53625.5	0.3009	mg/L	0.00046	0.6017	mg/L	0.00092	0.15%
Beryllium,7440-41-7†	957338.6	0.2365	mg/L	0.00017	0.4730	mg/L	0.00034	0.07%
Boron,7440-42-8†	189210.4	2.8994	mg/L	0.00432	5.7987	mg/L	0.00864	0.15%
Cadmium,7440-43-9†	57491.3	0.2327	mg/L	0.00029	0.4653	mg/L	0.00059	0.13%
Calcium,7440-70-2†	248505.1	178.3	mg/L	1.30	356.7	mg/L	2.61	0.73%
Chromium,7440-47-3†	45797.7	0.2704	mg/L	0.00048	0.5408	mg/L	0.00096	0.18%
Cobalt,7440-48-4†	12528.6	0.2314	mg/L	0.00131	0.4628	mg/L	0.00262	0.57%
Copper,7440-50-8†	105794.7	0.2754	mg/L	0.00055	0.5508	mg/L	0.00110	0.20%
Iron,7439-89-6†	2349.2	2.4440	mg/L	0.01023	4.8881	mg/L	0.02045	0.42%
Lead,7439-92-1†	2625.3	0.2295	mg/L	0.00215	0.4589	mg/L	0.00429	0.93%
Lithium,7439-93-2†	22813.4	0.4620	mg/L	0.00335	0.9241	mg/L	0.00669	0.72%
Magnesium,7439-95-4†	107843.6	519.15	mg/L	3.547	1038.3	mg/L	7.09	0.68%
Manganese,7439-96-5†	219159.3	0.2739	mg/L	0.00029	0.5478	mg/L	0.00059	0.11%
Molybdenum,7439-98-7†	7263.6	0.2462	mg/L	0.00155	0.4923	mg/L	0.00309	0.63%
Nickel,7440-02-0†	12272.5	0.2306	mg/L	0.00157	0.4613	mg/L	0.00314	0.68%
Potassium,7440-09-7†	405136.5	195.21	mg/L	0.493	390.41	mg/L	0.986	0.25%
Selenium,7782-49-2†	473.5	0.2605	mg/L	0.00085	0.5210	mg/L	0.00171	0.33%
Silicon,7440-21-3†	839.4	1.4202	mg/L	0.01435	2.8403	mg/L	0.02870	1.01%
Silver,7440-22-4†	82642.1	0.2766	mg/L	0.00040	0.5533	mg/L	0.00081	0.15%
Sodium,7440-23-5†	9360135.6	2607.0	mg/L	30.48	5213.9	mg/L	60.95	1.17%
Strontium,7440-24-6†	1161911.0	3.6268	mg/L	0.01177	7.2536	mg/L	0.02354	0.32%

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Thallium,7440-28-0†	1457.8	0.2320	mg/L	0.00158	0.4639	mg/L	0.00316	0.68%
Tin,7440-31-5†	2116.9	0.2275	mg/L	0.00178	0.4550	mg/L	0.00356	0.78%
Titanium,7440-32-6†	129690.8	0.2412	mg/L	0.00016	0.4825	mg/L	0.00033	0.07%
Vanadium,7440-62-2†	25688.8	0.2488	mg/L	0.00048	0.4977	mg/L	0.00096	0.19%
Zinc,7440-66-6†	48764.8	0.2354	mg/L	0.00023	0.4708	mg/L	0.00045	0.10%
Zirconium,7440-67-7†	-6116.9	-0.0131	mg/L	0.00023	-0.0262	mg/L	0.00046	1.74%

Sequence No.: 21
Sample ID: 20608042803 D
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 26
Date Collected: 8/8/2006 3:31:35 PM
Data Type: Reprocessed on 8/9/2006 8:14:55 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042803 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	70912.6	83.721	%	0.1949				0.23%
Ar 420.067 R	806448.6	86.761	%	0.3085				0.36%
Scandium-IS	2238855.8	80.229	%	0.2169				0.27%
Yttrium,7440-65-5A	1163198.8	77.060	%	0.1605				0.21%
Yttrium,7440-65-5R	60266.0	83.408	%	0.8937				1.07%
Aluminum,7429-90-5†	1340.0	2.589	mg/L	0.0180	5.178	mg/L	0.0360	0.70%
Antimony,7440-36-0†	842.1	0.2738	mg/L	0.00276	0.5475	mg/L	0.00552	1.01%
Arsenic,7440-38-2†	774.6	0.2438	mg/L	0.00467	0.4876	mg/L	0.00934	1.92%
Barium,7440-39-3†	54221.2	0.3042	mg/L	0.00038	0.6084	mg/L	0.00076	0.13%
Beryllium,7440-41-7†	967902.1	0.2391	mg/L	0.00024	0.4782	mg/L	0.00048	0.10%
Boron,7440-42-8†	192349.8	2.9474	mg/L	0.00414	5.8948	mg/L	0.00828	0.14%
Cadmium,7440-43-9†	58013.2	0.2348	mg/L	0.00051	0.4695	mg/L	0.00102	0.22%
Calcium,7440-70-2†	253387.4	181.8	mg/L	1.82	363.7	mg/L	3.65	1.00%
Chromium,7440-47-3†	46198.4	0.2727	mg/L	0.00053	0.5454	mg/L	0.00106	0.19%
Cobalt,7440-48-4†	12664.1	0.2339	mg/L	0.00157	0.4678	mg/L	0.00314	0.67%
Copper,7440-50-8†	107116.6	0.2787	mg/L	0.00051	0.5575	mg/L	0.00101	0.18%
Iron,7439-89-6†	2372.0	2.4682	mg/L	0.02892	4.9364	mg/L	0.05784	1.17%
Lead,7439-92-1†	2663.3	0.2328	mg/L	0.00017	0.4656	mg/L	0.00033	0.07%
Lithium,7439-93-2†	23516.2	0.4763	mg/L	0.00520	0.9525	mg/L	0.01040	1.09%
Magnesium,7439-95-4†	110112.4	530.07	mg/L	4.398	1060.1	mg/L	8.80	0.83%
Manganese,7439-96-5†	221615.4	0.2770	mg/L	0.00026	0.5540	mg/L	0.00051	0.09%
Molybdenum,7439-98-7†	7330.4	0.2484	mg/L	0.00208	0.4969	mg/L	0.00416	0.84%
Nickel,7440-02-0†	12374.9	0.2326	mg/L	0.00181	0.4651	mg/L	0.00363	0.78%
Potassium,7440-09-7†	408642.6	196.89	mg/L	3.510	393.79	mg/L	7.021	1.78%
Selenium,7782-49-2†	487.3	0.2681	mg/L	0.00402	0.5362	mg/L	0.00805	1.50%
Silicon,7440-21-3†	851.2	1.4392	mg/L	0.01628	2.8785	mg/L	0.03256	1.13%
Silver,7440-22-4†	83811.1	0.2805	mg/L	0.00064	0.5611	mg/L	0.00129	0.23%
Sodium,7440-23-5†	9316718.3	2594.9	mg/L	24.64	5189.7	mg/L	49.27	0.95%
Strontium,7440-24-6†	1165054.5	3.6366	mg/L	0.06416	7.2731	mg/L	0.12832	1.76%
Thallium,7440-28-0†	1476.9	0.2349	mg/L	0.00161	0.4699	mg/L	0.00322	0.69%
Tin,7440-31-5†	2144.2	0.2305	mg/L	0.00239	0.4611	mg/L	0.00478	1.04%
Titanium,7440-32-6†	130890.0	0.2435	mg/L	0.00033	0.4870	mg/L	0.00065	0.13%
Vanadium,7440-62-2†	25912.0	0.2512	mg/L	0.00109	0.5023	mg/L	0.00219	0.44%
Zinc,7440-66-6†	49361.7	0.2381	mg/L	0.00007	0.4763	mg/L	0.00015	0.03%
Zirconium,7440-67-7†	-6151.6	-0.0132	mg/L	0.00017	-0.0263	mg/L	0.00034	1.29%

Sequence No.: 22
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/8/2006 3:42:32 PM
Data Type: Reprocessed on 8/9/2006 8:14:57 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	82833.2	97.795	%	0.3069				0.31%
Ar 420.067 R	915246.8	98.466	%	0.2117				0.22%
Scandium-IS	2717696.2	97.388	%	0.7370				0.76%
Yttrium,7440-65-5A	1446215.6	95.809	%	0.6528				0.68%

Yttrium,7440-65-5R	70597.9	97.707 %	0.5732				0.59%
Aluminum,7429-90-5†	2568.9	4.972 mg/L	0.0539	4.972 mg/L	0.0539	1.08%	
QC value within limits for Aluminum,7429-90-5 Recovery = 99.45%							
Antimony,7440-36-0†	1535.8	0.4984 mg/L	0.00590	0.4984 mg/L	0.00590	1.18%	
QC value within limits for Antimony,7440-36-0 Recovery = 99.69%							
Arsenic,7440-38-2†	1539.4	0.5029 mg/L	0.00726	0.5029 mg/L	0.00726	1.44%	
QC value within limits for Arsenic,7440-38-2 Recovery = 100.58%							
Barium,7440-39-3†	88886.9	0.5003 mg/L	0.00087	0.5003 mg/L	0.00087	0.17%	
QC value within limits for Barium,7440-39-3 Recovery = 100.06%							
Beryllium,7440-41-7†	2022317.9	0.4996 mg/L	0.00104	0.4996 mg/L	0.00104	0.21%	
QC value within limits for Beryllium,7440-41-7 Recovery = 99.92%							
Boron,7440-42-8†	160182.0	2.4662 mg/L	0.00299	2.4662 mg/L	0.00299	0.12%	
QC value within limits for Boron,7440-42-8 Recovery = 98.65%							
Cadmium,7440-43-9†	122750.0	0.4969 mg/L	0.00147	0.4969 mg/L	0.00147	0.30%	
QC value within limits for Cadmium,7440-43-9 Recovery = 99.37%							
Calcium,7440-70-2†	6914.0	4.962 mg/L	0.0601	4.962 mg/L	0.0601	1.21%	
QC value within limits for Calcium,7440-70-2 Recovery = 99.24%							
Chromium,7440-47-3†	83520.7	0.5024 mg/L	0.00120	0.5024 mg/L	0.00120	0.24%	
QC value within limits for Chromium,7440-47-3 Recovery = 100.48%							
Cobalt,7440-48-4†	27182.0	0.5022 mg/L	0.00479	0.5022 mg/L	0.00479	0.95%	
QC value within limits for Cobalt,7440-48-4 Recovery = 100.43%							
Copper,7440-50-8†	180891.7	0.4956 mg/L	0.00022	0.4956 mg/L	0.00022	0.04%	
QC value within limits for Copper,7440-50-8 Recovery = 99.11%							
Iron,7439-89-6†	4812.0	4.9196 mg/L	0.05474	4.9196 mg/L	0.05474	1.11%	
QC value within limits for Iron,7439-89-6 Recovery = 98.39%							
Lead,7439-92-1†	5734.1	0.4999 mg/L	0.00411	0.4999 mg/L	0.00411	0.82%	
QC value within limits for Lead,7439-92-1 Recovery = 99.98%							
Lithium,7439-93-2†	25019.3	0.5045 mg/L	0.00772	0.5045 mg/L	0.00772	1.53%	
QC value within limits for Lithium,7439-93-2 Recovery = 100.90%							
Magnesium,7439-95-4†	1035.8	4.9903 mg/L	0.06477	4.9903 mg/L	0.06477	1.30%	
QC value within limits for Magnesium,7439-95-4 Recovery = 99.81%							
Manganese,7439-96-5†	410350.5	0.5026 mg/L	0.00097	0.5026 mg/L	0.00097	0.19%	
QC value within limits for Manganese,7439-96-5 Recovery = 100.52%							
Molybdenum,7439-98-7†	14724.1	0.5001 mg/L	0.00433	0.5001 mg/L	0.00433	0.87%	
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.02%							
Nickel,7440-02-0†	26785.3	0.5028 mg/L	0.00449	0.5028 mg/L	0.00449	0.89%	
QC value within limits for Nickel,7440-02-0 Recovery = 100.56%							
Potassium,7440-09-7†	21415.2	10.319 mg/L	0.2353	10.319 mg/L	0.2353	2.28%	
QC value within limits for Potassium,7440-09-7 Recovery = 103.19%							
Selenium,7782-49-2†	920.2	0.5096 mg/L	0.00427	0.5096 mg/L	0.00427	0.84%	
QC value within limits for Selenium,7782-49-2 Recovery = 101.93%							
Silicon,7440-21-3†	260.7	0.4898 mg/L	0.00494	0.4898 mg/L	0.00494	1.01%	
QC value within limits for Silicon,7440-21-3 Recovery = 97.96%							
Silver,7440-22-4†	149711.1	0.5017 mg/L	0.00145	0.5017 mg/L	0.00145	0.29%	
QC value within limits for Silver,7440-22-4 Recovery = 100.33%							
Sodium,7440-23-5†	76110.9	21.199 mg/L	0.3237	21.199 mg/L	0.3237	1.53%	
QC value within limits for Sodium,7440-23-5 Recovery = 105.99%							
Strontium,7440-24-6†	165360.3	0.5166 mg/L	0.00361	0.5166 mg/L	0.00361	0.70%	
QC value within limits for Strontium,7440-24-6 Recovery = 103.31%							
Thallium,7440-28-0†	3115.6	0.5042 mg/L	0.00496	0.5042 mg/L	0.00496	0.98%	
QC value within limits for Thallium,7440-28-0 Recovery = 100.85%							
Tin,7440-31-5†	4900.8	0.4977 mg/L	0.00415	0.4977 mg/L	0.00415	0.83%	
QC value within limits for Tin,7440-31-5 Recovery = 99.54%							
Titanium,7440-32-6†	270530.9	0.5029 mg/L	0.00114	0.5029 mg/L	0.00114	0.23%	
QC value within limits for Titanium,7440-32-6 Recovery = 100.58%							
Vanadium,7440-62-2†	54277.7	0.4985 mg/L	0.00132	0.4985 mg/L	0.00132	0.26%	
QC value within limits for Vanadium,7440-62-2 Recovery = 99.69%							
Zinc,7440-66-6†	95430.5	0.4961 mg/L	0.00110	0.4961 mg/L	0.00110	0.22%	
QC value within limits for Zinc,7440-66-6 Recovery = 99.21%							
Zirconium,7440-67-7†	209318.1	0.4990 mg/L	0.00065	0.4990 mg/L	0.00065	0.13%	
QC value within limits for Zirconium,7440-67-7 Recovery = 99.80%							

All analyte(s) passed QC.

Sequence No.: 23 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/8/2006 3:49:11 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:14:59 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	83263.9	98.303	%	0.1290				0.13%
Ar 420.067 R	917240.7	98.681	%	0.2406				0.24%
Scandium-IS	2751116.8	98.586	%	0.5631				0.57%
Yttrium,7440-65-5A	1489250.2	98.660	%	0.5340				0.54%
Yttrium,7440-65-5R	71342.5	98.737	%	1.8519				1.88%
Aluminum,7429-90-5†	0.9	0.002	mg/L	0.0030	0.002	mg/L	0.0030	180.66%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	13.2	0.0043	mg/L	0.00237	0.0043	mg/L	0.00237	55.06%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	5.2	0.0017	mg/L	0.00203	0.0017	mg/L	0.00203	121.01%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	2.2	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	735.29%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	159.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	35.03%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	2332.2	0.0359	mg/L	0.00348	0.0359	mg/L	0.00348	9.69%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-1.9	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	395.70%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	5.0	0.004	mg/L	0.0013	0.004	mg/L	0.0013	37.02%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	50.3	0.0003	mg/L	0.00022	0.0003	mg/L	0.00022	72.60%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-17.0	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006	18.91%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	80.7	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	17.54%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	4.1	0.0042	mg/L	0.00091	0.0042	mg/L	0.00091	21.65%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	6.8	0.0006	mg/L	0.00097	0.0006	mg/L	0.00097	164.62%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-170.8	-0.0034	mg/L	0.00099	-0.0034	mg/L	0.00099	28.65%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	2.5	0.0123	mg/L	0.02144	0.0123	mg/L	0.02144	174.82%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	29.1	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	67.12%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	0.4	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	310.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-10.6	-0.0002	mg/L	0.00028	-0.0002	mg/L	0.00028	141.70%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	178.4	0.0860	mg/L	0.01230	0.0860	mg/L	0.01230	14.31%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	10.1	0.0055	mg/L	0.00206	0.0055	mg/L	0.00206	37.29%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-0.4	-0.0007	mg/L	0.01022	-0.0007	mg/L	0.01022	>999.9%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-49.6	-0.0002	mg/L	0.00024	-0.0002	mg/L	0.00024	142.93%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	2093.6	0.5831	mg/L	0.09680	0.5831	mg/L	0.09680	16.60%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	90.5	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	32.61%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-0.4	-0.0001	mg/L	0.00188	-0.0001	mg/L	0.00188	>999.9%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	0.4	0.0000	mg/L	0.00082	0.0000	mg/L	0.00082	>999.9%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	59.0	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	118.35%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	52.1	0.0005	mg/L	0.00084	0.0005	mg/L	0.00084	175.26%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-17.9	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	173.44%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	181.0	0.0004	mg/L	0.00022	0.0004	mg/L	0.00022	50.39%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analyte(s) passed QC.

001470

167931

Sequence No.: 24
Sample ID: 398865
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 27
Date Collected: 8/8/2006 3:55:55 PM
Data Type: Reprocessed on 8/9/2006 8:15:01 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398865

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	71141.9	83.992	%	0.3378				0.40%
Ar 420.067 R	811067.7	87.258	%	0.1386				0.16%
Scandium-IS	2243892.5	80.410	%	0.8188				1.02%
Yttrium,7440-65-5A	1167363.6	77.336	%	0.7431				0.96%
Yttrium,7440-65-5R	60936.7	84.336	%	0.8897				1.05%
Aluminum,7429-90-5†	2606.4	5.040	mg/L	0.0634	10.08	mg/L	0.127	1.26%
Antimony,7440-36-0†	1612.9	0.5240	mg/L	0.01040	1.0480	mg/L	0.02079	1.98%
Arsenic,7440-38-2†	1526.5	0.4896	mg/L	0.00965	0.9791	mg/L	0.01930	1.97%
Barium,7440-39-3†	94182.9	0.5291	mg/L	0.00044	1.0583	mg/L	0.00088	0.08%
Beryllium,7440-41-7†	1869356.7	0.4618	mg/L	0.00059	0.9236	mg/L	0.00118	0.13%
Boron,7440-42-8†	267969.2	4.1119	mg/L	0.00557	8.2237	mg/L	0.01115	0.14%
Cadmium,7440-43-9†	112331.3	0.4546	mg/L	0.00093	0.9093	mg/L	0.00186	0.20%
Calcium,7440-70-2†	253201.1	181.7	mg/L	3.09	363.4	mg/L	6.18	1.70%
Chromium,7440-47-3†	82695.8	0.4923	mg/L	0.00142	0.9846	mg/L	0.00284	0.29%
Cobalt,7440-48-4†	24638.4	0.4551	mg/L	0.00704	0.9102	mg/L	0.01409	1.55%
Copper,7440-50-8†	203053.0	0.5418	mg/L	0.00055	1.0837	mg/L	0.00109	0.10%
Iron,7439-89-6†	4645.6	4.7919	mg/L	0.04270	9.5839	mg/L	0.08540	0.89%
Lead,7439-92-1†	5176.8	0.4518	mg/L	0.00559	0.9037	mg/L	0.01118	1.24%
Lithium,7439-93-2†	40658.1	0.8218	mg/L	0.01723	1.6437	mg/L	0.03446	2.10%
Magnesium,7439-95-4†	108772.8	523.62	mg/L	8.733	1047.2	mg/L	17.47	1.67%
Manganese,7439-96-5†	408122.7	0.5054	mg/L	0.00058	1.0107	mg/L	0.00115	0.11%
Molybdenum,7439-98-7†	14003.6	0.4751	mg/L	0.00791	0.9502	mg/L	0.01582	1.67%
Nickel,7440-02-0†	23908.5	0.4491	mg/L	0.00664	0.8981	mg/L	0.01329	1.48%
Potassium,7440-09-7†	414183.6	199.56	mg/L	2.890	399.13	mg/L	5.780	1.45%
Selenium,7782-49-2†	960.2	0.5299	mg/L	0.00786	1.0599	mg/L	0.01571	1.48%
Silicon,7440-21-3†	972.5	1.6695	mg/L	0.02144	3.3391	mg/L	0.04287	1.28%
Silver,7440-22-4†	161185.5	0.5398	mg/L	0.00026	1.0795	mg/L	0.00051	0.05%
Sodium,7440-23-5†	9478233.0	2639.9	mg/L	30.20	5279.7	mg/L	60.40	1.14%
Strontium,7440-24-6†	1229997.8	3.8395	mg/L	0.04501	7.6790	mg/L	0.09003	1.17%
Thallium,7440-28-0†	2820.2	0.4526	mg/L	0.00660	0.9051	mg/L	0.01320	1.46%
Tin,7440-31-5†	4315.2	0.4508	mg/L	0.00744	0.9017	mg/L	0.01488	1.65%
Titanium,7440-32-6†	251452.4	0.4676	mg/L	0.00062	0.9352	mg/L	0.00124	0.13%
Vanadium,7440-62-2†	51278.7	0.4839	mg/L	0.00065	0.9678	mg/L	0.00129	0.13%
Zinc,7440-66-6†	95488.6	0.4784	mg/L	0.00052	0.9568	mg/L	0.00105	0.11%
Zirconium,7440-67-7†	-5242.9	-0.0111	mg/L	0.00035	-0.0221	mg/L	0.00070	3.15%

Sequence No.: 25
Sample ID: 398866
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 28
Date Collected: 8/8/2006 4:02:58 PM
Data Type: Reprocessed on 8/9/2006 8:15:02 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398866

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79817.7	94.234	%	0.3941				0.42%
Ar 420.067 R	899297.4	96.750	%	0.3146				0.33%
Scandium-IS	2505663.9	89.790	%	0.5816				0.65%
Yttrium,7440-65-5A	1312330.7	86.939	%	0.5535				0.64%
Yttrium,7440-65-5R	66276.6	91.726	%	1.1971				1.31%
Aluminum,7429-90-5†	-1.8	-0.005	mg/L	0.0055	-0.045	mg/L	0.0550	121.68%
Antimony,7440-36-0†	20.8	0.0068	mg/L	0.00232	0.0682	mg/L	0.02325	34.07%
Arsenic,7440-38-2†	-59.9	-0.0213	mg/L	0.00159	-0.2135	mg/L	0.01591	7.45%
Barium,7440-39-3†	2194.6	0.0122	mg/L	0.00014	0.1216	mg/L	0.00145	1.19%
Beryllium,7440-41-7†	4.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00026	>999.9%
Boron,7440-42-8†	22916.6	0.3500	mg/L	0.00175	3.4997	mg/L	0.01748	0.50%

Cadmium,7440-43-9†	-46.6	-0.0002 mg/L	0.00003	-0.0020 mg/L	0.00030	14.88%
Calcium,7440-70-2†	51847.7	37.21 mg/L	0.469	372.1 mg/L	4.69	1.26%
Chromium,7440-47-3†	2478.9	0.0139 mg/L	0.00022	0.1386 mg/L	0.00217	1.56%
Cobalt,7440-48-4†	-83.6	-0.0016 mg/L	0.00018	-0.0155 mg/L	0.00175	11.31%
Copper,7440-50-8†	2371.1	0.0035 mg/L	0.00025	0.0346 mg/L	0.00253	7.30%
Iron,7439-89-6†	-1.5	0.0072 mg/L	0.00113	0.0724 mg/L	0.01127	15.58%
Lead,7439-92-1†	-16.0	-0.0013 mg/L	0.00010	-0.0126 mg/L	0.00104	8.23%
Lithium,7439-93-2†	583.8	0.0122 mg/L	0.00183	0.1220 mg/L	0.01835	15.04%
Magnesium,7439-95-4†	22172.0	106.73 mg/L	1.087	1067.3 mg/L	10.87	1.02%
Manganese,7439-96-5†	4738.8	0.0069 mg/L	0.00006	0.0693 mg/L	0.00057	0.83%
Molybdenum,7439-98-7†	2.3	0.0000 mg/L	0.00050	-0.0003 mg/L	0.00501	>999.9%
Nickel,7440-02-0†	-0.1	0.0001 mg/L	0.00037	0.0006 mg/L	0.00371	667.43%
Potassium,7440-09-7†	64254.8	30.952 mg/L	0.2648	309.52 mg/L	2.648	0.86%
Selenium,7782-49-2†	-0.1	-0.0004 mg/L	0.00272	-0.0040 mg/L	0.02720	674.34%
Silicon,7440-21-3†	150.8	0.2508 mg/L	0.00189	2.5082 mg/L	0.01888	0.75%
Silver,7440-22-4†	58.7	0.0001 mg/L	0.00007	0.0015 mg/L	0.00067	45.01%
Sodium,7440-23-5†	2775353.2	772.99 mg/L	13.927	7729.9 mg/L	139.27	1.80%
Strontium,7440-24-6†	209809.2	0.6548 mg/L	0.00561	6.5481 mg/L	0.05611	0.86%
Thallium,7440-28-0†	21.4	0.0026 mg/L	0.00235	0.0256 mg/L	0.02349	91.88%
Tin,7440-31-5†	-96.2	-0.0072 mg/L	0.00118	-0.0716 mg/L	0.01177	16.45%
Titanium,7440-32-6†	-177.6	-0.0003 mg/L	0.00020	-0.0030 mg/L	0.00200	67.23%
Vanadium,7440-62-2†	-837.6	-0.0050 mg/L	0.00069	-0.0503 mg/L	0.00689	13.71%
Zinc,7440-66-6†	27.0	-0.0037 mg/L	0.00010	-0.0365 mg/L	0.00099	2.70%
Zirconium,7440-67-7†	-2905.5	-0.0066 mg/L	0.00019	-0.0660 mg/L	0.00191	2.89%

Sequence No.: 26
Sample ID: 20608042804 D
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 2X

Autosampler Location: 29
Date Collected: 8/8/2006 4:09:38 PM
Data Type: Reprocessed on 8/9/2006 8:15:04 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042804 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	70244.0	82.932	%	0.4581				0.55%
Ar 420.067 R	803146.3	86.406	%	0.4222				0.49%
Scandium-IS	2220764.1	79.581	%	0.6939				0.87%
Yttrium,7440-65-5A	1154396.0	76.476	%	0.6686				0.87%
Yttrium,7440-65-5R	59884.9	82.880	%	0.5570				0.67%
Aluminum,7429-90-5†	15.3	0.025	mg/L	0.0050	0.049	mg/L	0.0099	20.17%
Antimony,7440-36-0†	28.4	0.0096	mg/L	0.00077	0.0193	mg/L	0.00154	7.98%
Arsenic,7440-38-2†	-51.7	-0.0265	mg/L	0.00248	-0.0531	mg/L	0.00497	9.36%
Barium,7440-39-3†	11372.1	0.0630	mg/L	0.00075	0.1260	mg/L	0.00150	1.19%
Beryllium,7440-41-7†	197.4	0.0000	mg/L	0.00002	0.0001	mg/L	0.00004	42.22%
Boron,7440-42-8†	110784.2	1.6911	mg/L	0.00019	3.3822	mg/L	0.00038	0.01%
Cadmium,7440-43-9†	-153.9	-0.0007	mg/L	0.00001	-0.0013	mg/L	0.00003	2.02%
Calcium,7440-70-2†	264770.2	190.0	mg/L	2.34	380.0	mg/L	4.68	1.23%
Chromium,7440-47-3†	7374.3	0.0389	mg/L	0.00040	0.0779	mg/L	0.00079	1.02%
Cobalt,7440-48-4†	-139.5	-0.0026	mg/L	0.00018	-0.0052	mg/L	0.00035	6.77%
Copper,7440-50-8†	3791.9	-0.0052	mg/L	0.00034	-0.0103	mg/L	0.00068	6.56%
Iron,7439-89-6†	-4.5	0.0406	mg/L	0.00678	0.0813	mg/L	0.01357	16.69%
Lead,7439-92-1†	-9.8	-0.0001	mg/L	0.00115	-0.0002	mg/L	0.00230	>999.9%
Lithium,7439-93-2†	5272.4	0.1085	mg/L	0.00196	0.2170	mg/L	0.00393	1.81%
Magnesium,7439-95-4†	114712.3	552.21	mg/L	7.164	1104.4	mg/L	14.33	1.30%
Manganese,7439-96-5†	3974.7	0.0107	mg/L	0.00014	0.0214	mg/L	0.00029	1.34%
Molybdenum,7439-98-7†	-8.6	-0.0009	mg/L	0.00060	-0.0017	mg/L	0.00120	69.07%
Nickel,7440-02-0†	19.8	0.0007	mg/L	0.00005	0.0013	mg/L	0.00009	6.88%
Potassium,7440-09-7†	423353.6	203.98	mg/L	2.594	407.97	mg/L	5.187	1.27%
Selenium,7782-49-2†	-7.2	-0.0056	mg/L	0.00149	-0.0112	mg/L	0.00299	26.56%
Silicon,7440-21-3†	751.3	1.2442	mg/L	0.01240	2.4884	mg/L	0.02479	1.00%
Silver,7440-22-4†	487.0	0.0014	mg/L	0.00006	0.0028	mg/L	0.00012	4.40%
Sodium,7440-23-5†	9649726.4	2687.6	mg/L	34.98	5375.2	mg/L	69.95	1.30%
Strontium,7440-24-6†	1149923.5	3.5891	mg/L	0.04400	7.1783	mg/L	0.08800	1.23%
Thallium,7440-28-0†	20.2	-0.0012	mg/L	0.00099	-0.0024	mg/L	0.00198	81.97%
Tin,7440-31-5†	-249.6	-0.0119	mg/L	0.00082	-0.0238	mg/L	0.00164	6.87%
Titanium,7440-32-6†	-197.3	-0.0002	mg/L	0.00022	-0.0004	mg/L	0.00044	112.47%
Vanadium,7440-62-2†	-1380.7	0.0011	mg/L	0.00081	0.0023	mg/L	0.00163	72.17%
Zinc,7440-66-6†	642.2	-0.0162	mg/L	0.00014	-0.0323	mg/L	0.00029	0.90%

001472

Zirconium,7440-67-7†	-6415.6	-0.0136	mg/L	0.00015	-0.0273	mg/L	0.00030	1.09%

Sequence No.: 27 **Autosampler Location: 30**
Sample ID: 20608042805 D **Date Collected: 8/8/2006 4:16:37 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:06 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 20608042805 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	70233.6	82.919	%	0.2456				0.30%
Ar 420.067 R	803904.3	86.487	%	0.3145				0.36%
Scandium-IS	2225469.1	79.750	%	0.1823				0.23%
Yttrium,7440-65-5A	1156981.7	76.648	%	0.1846				0.24%
Yttrium,7440-65-5R	60999.9	84.423	%	0.9668				1.15%
Aluminum,7429-90-5†	12.6	0.020	mg/L	0.0157	0.039	mg/L	0.0314	80.17%
Antimony,7440-36-0†	27.9	0.0095	mg/L	0.00515	0.0189	mg/L	0.01030	54.44%
Arsenic,7440-38-2†	-56.2	-0.0280	mg/L	0.00069	-0.0560	mg/L	0.00137	2.45%
Barium,7440-39-3†	11175.5	0.0619	mg/L	0.00055	0.1238	mg/L	0.00110	0.89%
Beryllium,7440-41-7†	139.6	0.0000	mg/L	0.00002	0.0001	mg/L	0.00004	63.74%
Boron,7440-42-8†	108996.7	1.6637	mg/L	0.00269	3.3273	mg/L	0.00539	0.16%
Cadmium,7440-43-9†	-152.6	-0.0007	mg/L	0.00004	-0.0013	mg/L	0.00008	6.02%
Calcium,7440-70-2†	257019.1	184.4	mg/L	1.40	368.9	mg/L	2.81	0.76%
Chromium,7440-47-3†	7304.1	0.0385	mg/L	0.00017	0.0771	mg/L	0.00034	0.45%
Cobalt,7440-48-4†	-99.1	-0.0018	mg/L	0.00032	-0.0037	mg/L	0.00063	17.17%
Copper,7440-50-8†	3711.3	-0.0051	mg/L	0.00024	-0.0101	mg/L	0.00049	4.83%
Iron,7439-89-6†	-6.6	0.0384	mg/L	0.00376	0.0767	mg/L	0.00752	9.80%
Lead,7439-92-1†	-31.3	-0.0020	mg/L	0.00097	-0.0041	mg/L	0.00195	47.80%
Lithium,7439-93-2†	5236.9	0.1078	mg/L	0.00407	0.2156	mg/L	0.00814	3.77%
Magnesium,7439-95-4†	114486.2	551.12	mg/L	8.309	1102.2	mg/L	16.62	1.51%
Manganese,7439-96-5†	3193.6	0.0097	mg/L	0.00009	0.0194	mg/L	0.00017	0.89%
Molybdenum,7439-98-7†	1.4	-0.0005	mg/L	0.00033	-0.0010	mg/L	0.00065	63.53%
Nickel,7440-02-0†	5.6	0.0004	mg/L	0.00021	0.0008	mg/L	0.00042	52.27%
Potassium,7440-09-7†	413405.1	199.19	mg/L	1.803	398.37	mg/L	3.607	0.91%
Selenium,7782-49-2†	-9.8	-0.0071	mg/L	0.00465	-0.0143	mg/L	0.00931	65.26%
Silicon,7440-21-3†	734.5	1.2135	mg/L	0.00413	2.4269	mg/L	0.00825	0.34%
Silver,7440-22-4†	372.0	0.0010	mg/L	0.00014	0.0021	mg/L	0.00028	13.52%
Sodium,7440-23-5†	9351765.0	2604.6	mg/L	6.36	5209.3	mg/L	12.72	0.24%
Strontium,7440-24-6†	1116827.9	3.4858	mg/L	0.02902	6.9717	mg/L	0.05805	0.83%
Thallium,7440-28-0†	18.5	-0.0015	mg/L	0.00274	-0.0029	mg/L	0.00548	187.84%
Tin,7440-31-5†	-244.9	-0.0116	mg/L	0.00124	-0.0232	mg/L	0.00249	10.73%
Titanium,7440-32-6†	-325.7	-0.0004	mg/L	0.00012	-0.0009	mg/L	0.00025	28.25%
Vanadium,7440-62-2†	-1256.2	0.0022	mg/L	0.00056	0.0045	mg/L	0.00112	25.12%
Zinc,7440-66-6†	622.0	-0.0161	mg/L	0.00029	-0.0323	mg/L	0.00059	1.82%
Zirconium,7440-67-7†	-6415.0	-0.0137	mg/L	0.00017	-0.0274	mg/L	0.00034	1.25%

Sequence No.: 28 **Autosampler Location: 31**
Sample ID: 20608042806 D **Date Collected: 8/8/2006 4:23:35 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:08 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 2X **Sample Prep Vol:**

Mean Data: 20608042806 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	70911.2	83.719	%	0.1577				0.19%
Ar 420.067 R	804380.1	86.539	%	0.2329				0.27%
Scandium-IS	2242388.1	80.356	%	0.5190				0.65%
Yttrium,7440-65-5A	1166483.7	77.277	%	0.4933				0.64%
Yttrium,7440-65-5R	61159.3	84.644	%	1.1528				1.36%
Aluminum,7429-90-5†	8.0	0.011	mg/L	0.0155	0.022	mg/L	0.0309	142.53%
Antimony,7440-36-0†	25.6	0.0087	mg/L	0.00334	0.0174	mg/L	0.00667	38.32%
Arsenic,7440-38-2†	-64.7	-0.0302	mg/L	0.00239	-0.0603	mg/L	0.00479	7.94%
Barium,7440-39-3†	10556.7	0.0585	mg/L	0.00043	0.1169	mg/L	0.00086	0.74%

Beryllium,7440-41-7†	59.8	0.0000	mg/L	0.00002	0.0000	mg/L	0.00004 137.55%
Boron,7440-42-8†	102569.1	1.5655	mg/L	0.00190	3.1310	mg/L	0.00380 0.12%
Cadmium,7440-43-9†	-139.8	-0.0006	mg/L	0.00003	-0.0012	mg/L	0.00007 5.57%
Calcium,7440-70-2†	244959.5	175.8	mg/L	2.42	351.6	mg/L	4.84 1.38%
Chromium,7440-47-3†	7114.5	0.0377	mg/L	0.00005	0.0754	mg/L	0.00009 0.12%
Cobalt,7440-48-4†	-133.1	-0.0025	mg/L	0.00045	-0.0049	mg/L	0.00091 18.31%
Copper,7440-50-8†	3667.4	-0.0044	mg/L	0.00003	-0.0088	mg/L	0.00006 0.66%
Iron,7439-89-6†	0.4	0.0430	mg/L	0.00178	0.0860	mg/L	0.00357 4.15%
Lead,7439-92-1†	-12.9	-0.0004	mg/L	0.00180	-0.0009	mg/L	0.00361 401.15%
Lithium,7439-93-2†	4701.5	0.0969	mg/L	0.00264	0.1937	mg/L	0.00527 2.72%
Magnesium,7439-95-4†	107880.3	519.32	mg/L	9.298	1038.6	mg/L	18.60 1.79%
Manganese,7439-96-5†	2405.6	0.0084	mg/L	0.00012	0.0168	mg/L	0.00025 1.46%
Molybdenum,7439-98-7†	-0.2	-0.0005	mg/L	0.00043	-0.0011	mg/L	0.00085 78.93%
Nickel,7440-02-0†	15.1	0.0006	mg/L	0.00050	0.0011	mg/L	0.00100 88.27%
Potassium,7440-09-7†	387697.0	186.80	mg/L	3.070	373.60	mg/L	6.139 1.64%
Selenium,7782-49-2†	-15.0	-0.0098	mg/L	0.00248	-0.0197	mg/L	0.00496 25.20%
Silicon,7440-21-3†	694.0	1.1469	mg/L	0.01845	2.2938	mg/L	0.03691 1.61%
Silver,7440-22-4†	484.3	0.0014	mg/L	0.00031	0.0029	mg/L	0.00061 21.43%
Sodium,7440-23-5†	9042025.7	2518.4	mg/L	11.01	5036.7	mg/L	22.02 0.44%
Strontium,7440-24-6†	1057560.3	3.3008	mg/L	0.04544	6.6017	mg/L	0.09088 1.38%
Thallium,7440-28-0†	15.3	-0.0017	mg/L	0.00014	-0.0035	mg/L	0.00027 7.89%
Tin,7440-31-5†	-236.4	-0.0114	mg/L	0.00093	-0.0229	mg/L	0.00187 8.16%
Titanium,7440-32-6†	-205.4	-0.0002	mg/L	0.00017	-0.0004	mg/L	0.00034 77.17%
Vanadium,7440-62-2†	-1261.0	0.0014	mg/L	0.00045	0.0028	mg/L	0.00090 32.19%
Zinc,7440-66-6†	127.7	-0.0177	mg/L	0.00025	-0.0353	mg/L	0.00050 1.43%
Zirconium,7440-67-7†	-6237.2	-0.0133	mg/L	0.00032	-0.0267	mg/L	0.00065 2.43%

Sequence No.: 29
Sample ID: 20608042808 D
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 32
Date Collected: 8/8/2006 4:30:33 PM
Data Type: Reprocessed on 8/9/2006 8:15:10 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042808 D

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	74827.9	88.343	%	0.2797				0.32%
Ar 420.067 R	840245.5	90.397	%	0.2568				0.28%
Scandium-IS	2388628.6	85.596	%	0.2363				0.28%
Yttrium,7440-65-5A	1245245.0	82.495	%	0.2311				0.28%
Yttrium,7440-65-5R	64579.1	89.377	%	0.7611				0.85%
Aluminum,7429-90-5†	4.5	0.005	mg/L	0.0178	0.005	mg/L	0.0178	366.14%
Antimony,7440-36-0†	11.7	0.0041	mg/L	0.00390	0.0041	mg/L	0.00390	96.05%
Arsenic,7440-38-2†	-78.9	-0.0302	mg/L	0.00147	-0.0302	mg/L	0.00147	4.86%
Barium,7440-39-3†	23633.6	0.1325	mg/L	0.00062	0.1325	mg/L	0.00062	0.47%
Beryllium,7440-41-7†	-14.3	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	5.06%
Boron,7440-42-8†	155133.1	2.3791	mg/L	0.00572	2.3791	mg/L	0.00572	0.24%
Cadmium,7440-43-9†	-518.9	-0.0022	mg/L	0.00005	-0.0022	mg/L	0.00005	2.45%
Calcium,7440-70-2†	174908.6	125.5	mg/L	1.41	125.5	mg/L	1.41	1.13%
Chromium,7440-47-3†	4898.2	0.0266	mg/L	0.00017	0.0266	mg/L	0.00017	0.63%
Cobalt,7440-48-4†	2.8	0.0000	mg/L	0.00028	0.0000	mg/L	0.00028	965.86%
Copper,7440-50-8†	3526.6	-0.0004	mg/L	0.00039	-0.0004	mg/L	0.00039	108.84%
Iron,7439-89-6†	20.3	0.0427	mg/L	0.00302	0.0427	mg/L	0.00302	7.06%
Lead,7439-92-1†	4.5	0.0009	mg/L	0.00119	0.0009	mg/L	0.00119	131.83%
Lithium,7439-93-2†	4054.9	0.0828	mg/L	0.00102	0.0828	mg/L	0.00102	1.23%
Magnesium,7439-95-4†	54275.4	261.27	mg/L	2.499	261.27	mg/L	2.499	0.96%
Manganese,7439-96-5†	861190.5	1.0579	mg/L	0.00108	1.0579	mg/L	0.00108	0.10%
Molybdenum,7439-98-7†	527.2	0.0176	mg/L	0.00008	0.0176	mg/L	0.00008	0.44%
Nickel,7440-02-0†	102.8	0.0019	mg/L	0.00017	0.0019	mg/L	0.00017	8.88%
Potassium,7440-09-7†	271723.2	130.95	mg/L	1.698	130.95	mg/L	1.698	1.30%
Selenium,7782-49-2†	-5.2	-0.0041	mg/L	0.00267	-0.0041	mg/L	0.00267	65.44%
Silicon,7440-21-3†	2724.8	4.9684	mg/L	0.04966	4.9684	mg/L	0.04966	1.00%
Silver,7440-22-4†	365.3	0.0009	mg/L	0.00015	0.0009	mg/L	0.00015	16.18%
Sodium,7440-23-5†	6746268.4	1879.0	mg/L	12.18	1879.0	mg/L	12.18	0.65%
Strontium,7440-24-6†	579668.6	1.8087	mg/L	0.02024	1.8087	mg/L	0.02024	1.12%
Thallium,7440-28-0†	4.5	0.0014	mg/L	0.00204	0.0014	mg/L	0.00204	145.56%
Tin,7440-31-5†	-206.6	-0.0136	mg/L	0.00081	-0.0136	mg/L	0.00081	5.97%
Titanium,7440-32-6†	-235.0	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	31.41%

Vanadium,7440-62-2†	-931.0	-0.0020	mg/L	0.00057	-0.0020	mg/L	0.00057 28.42%
Zinc,7440-66-6†	766.0	-0.0066	mg/L	0.00011	-0.0066	mg/L	0.00011 1.65%
Zirconium,7440-67-7†	-5315.6	-0.0117	mg/L	0.00011	-0.0117	mg/L	0.00011 0.96%

Sequence No.: 30
Sample ID: 20608042809 D
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 33
Date Collected: 8/8/2006 4:37:31 PM
Data Type: Reprocessed on 8/9/2006 8:15:12 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042809 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	75158.4	88.734	%	0.2555				0.29%
Ar 420.067 R	841439.0	90.526	%	0.1560				0.17%
Scandium-IS	2396202.5	85.868	%	0.2979				0.35%
Yttrium,7440-65-5A	1248185.1	82.690	%	0.2947				0.36%
Yttrium,7440-65-5R	64379.1	89.100	%	1.8068				2.03%
Aluminum,7429-90-5†	19.6	0.034	mg/L	0.0017	0.034	mg/L	0.0017	4.90%
Antimony,7440-36-0†	8.8	0.0031	mg/L	0.00286	0.0031	mg/L	0.00286	91.68%
Arsenic,7440-38-2†	-83.3	-0.0316	mg/L	0.00432	-0.0316	mg/L	0.00432	13.68%
Barium,7440-39-3†	23448.7	0.1315	mg/L	0.00156	0.1315	mg/L	0.00156	1.19%
Beryllium,7440-41-7†	-163.6	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	20.96%
Boron,7440-42-8†	153819.7	2.3591	mg/L	0.00102	2.3591	mg/L	0.00102	0.04%
Cadmium,7440-43-9†	-517.9	-0.0022	mg/L	0.00004	-0.0022	mg/L	0.00004	1.81%
Calcium,7440-70-2†	171581.6	123.2	mg/L	2.37	123.2	mg/L	2.37	1.92%
Chromium,7440-47-3†	4829.1	0.0263	mg/L	0.00031	0.0263	mg/L	0.00031	1.16%
Cobalt,7440-48-4†	-13.7	-0.0003	mg/L	0.00004	-0.0003	mg/L	0.00004	14.69%
Copper,7440-50-8†	3511.3	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	113.64%
Iron,7439-89-6†	36.3	0.0586	mg/L	0.00494	0.0586	mg/L	0.00494	8.43%
Lead,7439-92-1†	-13.8	-0.0007	mg/L	0.00143	-0.0007	mg/L	0.00143	207.23%
Lithium,7439-93-2†	3910.0	0.0799	mg/L	0.00230	0.0799	mg/L	0.00230	2.88%
Magnesium,7439-95-4†	53119.7	255.71	mg/L	4.400	255.71	mg/L	4.400	1.72%
Manganese,7439-96-5†	725704.8	0.8919	mg/L	0.00181	0.8919	mg/L	0.00181	0.20%
Molybdenum,7439-98-7†	531.5	0.0177	mg/L	0.00043	0.0177	mg/L	0.00043	2.44%
Nickel,7440-02-0†	121.6	0.0023	mg/L	0.00030	0.0023	mg/L	0.00030	12.84%
Potassium,7440-09-7†	266135.1	128.25	mg/L	0.629	128.25	mg/L	0.629	0.49%
Selenium,7782-49-2†	-4.1	-0.0033	mg/L	0.00436	-0.0033	mg/L	0.00436	131.21%
Silicon,7440-21-3†	2681.0	4.8889	mg/L	0.03859	4.8889	mg/L	0.03859	0.79%
Silver,7440-22-4†	354.1	0.0009	mg/L	0.00016	0.0009	mg/L	0.00016	17.27%
Sodium,7440-23-5†	6696301.9	1865.0	mg/L	16.84	1865.0	mg/L	16.84	0.90%
Strontium,7440-24-6†	570227.2	1.7792	mg/L	0.01034	1.7792	mg/L	0.01034	0.58%
Thallium,7440-28-0†	18.1	0.0032	mg/L	0.00147	0.0032	mg/L	0.00147	46.45%
Tin,7440-31-5†	-209.0	-0.0140	mg/L	0.00135	-0.0140	mg/L	0.00135	9.63%
Titanium,7440-32-6†	-167.5	-0.0003	mg/L	0.00005	-0.0003	mg/L	0.00005	19.46%
Vanadium,7440-62-2†	-945.3	-0.0023	mg/L	0.00011	-0.0023	mg/L	0.00011	4.75%
Zinc,7440-66-6†	1037.5	-0.0048	mg/L	0.00025	-0.0048	mg/L	0.00025	5.09%
Zirconium,7440-67-7†	-5331.7	-0.0118	mg/L	0.00010	-0.0118	mg/L	0.00010	0.87%

Sequence No.: 31
Sample ID: 20608042810 D
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 34
Date Collected: 8/8/2006 4:44:28 PM
Data Type: Reprocessed on 8/9/2006 8:15:13 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042810 D

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	74278.4	87.695	%	0.2348				0.27%
Ar 420.067 R	837380.2	90.089	%	0.2020				0.22%
Scandium-IS	2363065.1	84.680	%	0.3293				0.39%
Yttrium,7440-65-5A	1231260.1	81.569	%	0.3239				0.40%
Yttrium,7440-65-5R	64488.0	89.251	%	2.6337				2.95%
Aluminum,7429-90-5†	9.8	0.015	mg/L	0.0134	0.015	mg/L	0.0134	89.04%
Antimony,7440-36-0†	18.4	0.0063	mg/L	0.00052	0.0063	mg/L	0.00052	8.32%

Arsenic,7440-38-2†	-83.9	-0.0322 mg/L	0.00193	-0.0322 mg/L	0.00193	5.98%
Barium,7440-39-3†	23510.7	0.1318 mg/L	0.00122	0.1318 mg/L	0.00122	0.93%
Beryllium,7440-41-7†	-101.1	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	29.86%
Boron,7440-42-8†	154371.9	2.3670 mg/L	0.00496	2.3670 mg/L	0.00496	0.21%
Cadmium,7440-43-9†	-341.0	-0.0014 mg/L	0.00006	-0.0014 mg/L	0.00006	4.13%
Calcium,7440-70-2†	212506.6	152.5 mg/L	4.46	152.5 mg/L	4.46	2.92%
Chromium,7440-47-3†	5037.9	0.0274 mg/L	0.00017	0.0274 mg/L	0.00017	0.63%
Cobalt,7440-48-4†	2.0	0.0000 mg/L	0.00045	0.0000 mg/L	0.00045	>999.9%
Copper,7440-50-8†	3549.7	-0.0019 mg/L	0.00043	-0.0019 mg/L	0.00043	22.90%
Iron,7439-89-6†	31.1	0.0550 mg/L	0.00576	0.0550 mg/L	0.00576	10.48%
Lead,7439-92-1†	-5.7	0.0002 mg/L	0.00095	0.0002 mg/L	0.00095	388.02%
Lithium,7439-93-2†	4266.8	0.0872 mg/L	0.00335	0.0872 mg/L	0.00335	3.84%
Magnesium,7439-95-4†	57246.4	275.58 mg/L	7.314	275.58 mg/L	7.314	2.65%
Manganese,7439-96-5†	603084.8	0.7419 mg/L	0.00129	0.7419 mg/L	0.00129	0.17%
Molybdenum,7439-98-7†	557.1	0.0185 mg/L	0.00054	0.0185 mg/L	0.00054	2.90%
Nickel,7440-02-0†	133.5	0.0026 mg/L	0.00073	0.0026 mg/L	0.00073	28.36%
Potassium,7440-09-7†	278086.8	134.01 mg/L	1.234	134.01 mg/L	1.234	0.92%
Selenium,7782-49-2†	-7.6	-0.0047 mg/L	0.00214	-0.0047 mg/L	0.00214	45.22%
Silicon,7440-21-3†	1787.4	3.2318 mg/L	0.00387	3.2318 mg/L	0.00387	0.12%
Silver,7440-22-4†	501.6	0.0014 mg/L	0.00012	0.0014 mg/L	0.00012	8.25%
Sodium,7440-23-5†	6925751.0	1928.9 mg/L	14.76	1928.9 mg/L	14.76	0.77%
Strontium,7440-24-6†	640564.8	1.9984 mg/L	0.01756	1.9984 mg/L	0.01756	0.88%
Thallium,7440-28-0†	14.2	0.0019 mg/L	0.00099	0.0019 mg/L	0.00099	51.64%
Tin,7440-31-5†	-219.0	-0.0140 mg/L	0.00047	-0.0140 mg/L	0.00047	3.36%
Titanium,7440-32-6†	-284.4	-0.0005 mg/L	0.00026	-0.0005 mg/L	0.00026	56.48%
Vanadium,7440-62-2†	-1192.7	-0.0040 mg/L	0.00082	-0.0040 mg/L	0.00082	20.49%
Zinc,7440-66-6†	1805.7	-0.0018 mg/L	0.00044	-0.0018 mg/L	0.00044	23.81%
Zirconium,7440-67-7†	-5710.0	-0.0124 mg/L	0.00012	-0.0124 mg/L	0.00012	0.97%

Sequence No.: 32
Sample ID: 20608043109 EQBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 35
Date Collected: 8/8/2006 4:54:32 PM
Data Type: Reprocessed on 8/9/2006 8:15:15 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608043109 EQBLK

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	83839.0	98.982	%	0.5280				0.53%
Ar 420.067 R	925053.2	99.521	%	0.1202				0.12%
Scandium-IS	2793870.1	100.12	%	0.281				0.28%
Yttrium,7440-65-5A	1503880.5	99.629	%	0.3262				0.33%
Yttrium,7440-65-5R	73642.5	101.92	%	2.032				1.99%
Aluminum,7429-90-5†	3.9	0.008	mg/L	0.0028	0.008	mg/L	0.0028	36.46%
Antimony,7440-36-0†	-5.7	-0.0018	mg/L	0.00293	-0.0018	mg/L	0.00293	158.66%
Arsenic,7440-38-2†	0.2	0.0000	mg/L	0.00039	0.0000	mg/L	0.00039	789.72%
Barium,7440-39-3†	116.0	0.0007	mg/L	0.00007	0.0007	mg/L	0.00007	10.64%
Beryllium,7440-41-7†	-90.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	86.48%
Boron,7440-42-8†	1920.5	0.0295	mg/L	0.00109	0.0295	mg/L	0.00109	3.70%
Cadmium,7440-43-9†	42.2	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	45.75%
Calcium,7440-70-2†	261.3	0.188	mg/L	0.0011	0.188	mg/L	0.0011	0.61%
Chromium,7440-47-3†	48.6	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	20.18%
Cobalt,7440-48-4†	13.3	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	102.19%
Copper,7440-50-8†	296.9	0.0008	mg/L	0.00027	0.0008	mg/L	0.00027	34.25%
Iron,7439-89-6†	20.0	0.0205	mg/L	0.00075	0.0205	mg/L	0.00075	3.66%
Lead,7439-92-1†	19.3	0.0017	mg/L	0.00056	0.0017	mg/L	0.00056	33.01%
Lithium,7439-93-2†	-282.1	-0.0057	mg/L	0.00036	-0.0057	mg/L	0.00036	6.28%
Magnesium,7439-95-4†	71.5	0.3444	mg/L	0.03648	0.3444	mg/L	0.03648	10.59%
Manganese,7439-96-5†	1652.7	0.0020	mg/L	0.00001	0.0020	mg/L	0.00001	0.73%
Molybdenum,7439-98-7†	-10.1	-0.0003	mg/L	0.00014	-0.0003	mg/L	0.00014	39.26%
Nickel,7440-02-0†	-1.0	0.0000	mg/L	0.00040	0.0000	mg/L	0.00040	>999.9%
Potassium,7440-09-7†	933.4	0.4500	mg/L	0.03150	0.4500	mg/L	0.03150	7.00%
Selenium,7782-49-2†	15.6	0.0086	mg/L	0.00418	0.0086	mg/L	0.00418	48.56%
Silicon,7440-21-3†	20.0	0.0370	mg/L	0.00680	0.0370	mg/L	0.00680	18.41%
Silver,7440-22-4†	-50.5	-0.0002	mg/L	0.00022	-0.0002	mg/L	0.00022	133.09%
Sodium,7440-23-5†	18056.7	5.0291	mg/L	0.40328	5.0291	mg/L	0.40328	8.02%
Strontium,7440-24-6†	732.7	0.0023	mg/L	0.00003	0.0023	mg/L	0.00003	1.18%
Thallium,7440-28-0†	12.0	0.0019	mg/L	0.00096	0.0019	mg/L	0.00096	50.16%

Tin,7440-31-5†	-22.9	-0.0023	mg/L	0.00097	-0.0023	mg/L	0.00097 41.89%
Titanium,7440-32-6†	55.1	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007 69.99%
Vanadium,7440-62-2†	6.3	0.0001	mg/L	0.00055	0.0001	mg/L	0.00055 842.08%
Zinc,7440-66-6†	839.3	0.0044	mg/L	0.00003	0.0044	mg/L	0.00003 0.73%
Zirconium,7440-67-7†	-297.1	-0.0007	mg/L	0.00006	-0.0007	mg/L	0.00006 9.12%

Sequence No.: 33 **Autosampler Location: 36**
Sample ID: --- **Date Collected: 8/8/2006 5:01:19 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:17 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	84859.9	100.19	%	0.229				0.23%
Ar 420.067 R	931437.6	100.21	%	0.221				0.22%
Scandium-IS	2827503.2	101.32	%	0.293				0.29%
Yttrium,7440-65-5A	1532204.9	101.51	%	0.293				0.29%
Yttrium,7440-65-5R	75339.5	104.27	%	0.645				0.62%
Aluminum,7429-90-5†	-1.1	-0.002	mg/L	0.0088	-0.002	mg/L	0.0088	433.26%
Antimony,7440-36-0†	-11.1	-0.0036	mg/L	0.00473	-0.0036	mg/L	0.00473	130.43%
Arsenic,7440-38-2†	10.4	0.0034	mg/L	0.00279	0.0034	mg/L	0.00279	82.56%
Barium,7440-39-3†	1.5	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	451.89%
Beryllium,7440-41-7†	-212.5	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	31.97%
Boron,7440-42-8†	1276.8	0.0196	mg/L	0.00035	0.0196	mg/L	0.00035	1.81%
Cadmium,7440-43-9†	55.9	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	12.75%
Calcium,7440-70-2†	50.0	0.036	mg/L	0.0017	0.036	mg/L	0.0017	4.79%
Chromium,7440-47-3†	-10.9	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	166.82%
Cobalt,7440-48-4†	27.7	0.0005	mg/L	0.00036	0.0005	mg/L	0.00036	69.38%
Copper,7440-50-8†	0.7	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%
Iron,7439-89-6†	0.6	0.0006	mg/L	0.00309	0.0006	mg/L	0.00309	531.49%
Lead,7439-92-1†	14.0	0.0012	mg/L	0.00052	0.0012	mg/L	0.00052	42.39%
Lithium,7439-93-2†	-380.7	-0.0077	mg/L	0.00066	-0.0077	mg/L	0.00066	8.61%
Magnesium,7439-95-4†	2.7	0.0128	mg/L	0.03288	0.0128	mg/L	0.03288	255.95%
Manganese,7439-96-5†	2662.0	0.0033	mg/L	0.00002	0.0033	mg/L	0.00002	0.74%
Molybdenum,7439-98-7†	-24.8	-0.0008	mg/L	0.00032	-0.0008	mg/L	0.00032	38.56%
Nickel,7440-02-0†	4.9	0.0001	mg/L	0.00036	0.0001	mg/L	0.00036	388.14%
Potassium,7440-09-7†	1143.2	0.5513	mg/L	0.01239	0.5513	mg/L	0.01239	2.25%
Selenium,7782-49-2†	1.4	0.0008	mg/L	0.00292	0.0008	mg/L	0.00292	385.16%
Silicon,7440-21-3†	-5.2	-0.0097	mg/L	0.00342	-0.0097	mg/L	0.00342	35.46%
Silver,7440-22-4†	32.8	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	108.10%
Sodium,7440-23-5†	15151.4	4.2200	mg/L	0.08605	4.2200	mg/L	0.08605	2.04%
Strontium,7440-24-6†	102.6	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	34.72%
Thallium,7440-28-0†	14.2	0.0023	mg/L	0.00048	0.0023	mg/L	0.00048	21.13%
Tin,7440-31-5†	-25.7	-0.0026	mg/L	0.00109	-0.0026	mg/L	0.00109	41.62%
Titanium,7440-32-6†	-179.0	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	9.53%
Vanadium,7440-62-2†	51.3	0.0005	mg/L	0.00017	0.0005	mg/L	0.00017	35.01%
Zinc,7440-66-6†	543.8	0.0029	mg/L	0.00007	0.0029	mg/L	0.00007	2.53%
Zirconium,7440-67-7†	-286.3	-0.0007	mg/L	0.00014	-0.0007	mg/L	0.00014	20.89%

Sequence No.: 34 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/8/2006 5:07:53 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:19 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	81476.1	96.192	%	0.0356				0.04%
Ar 420.067 R	903927.4	97.248	%	0.1870				0.19%
Scandium-IS	2715371.4	97.305	%	0.2419				0.25%
Yttrium,7440-65-5A	1447220.4	95.875	%	0.2378				0.25%
Yttrium,7440-65-5R	71383.6	98.794	%	0.7707				0.78%

Aluminum,7429-90-5†	2595.6	5.024 mg/L	0.0133	5.024 mg/L	0.0133	0.26%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.48%						
Antimony,7440-36-0†	1521.7	0.4939 mg/L	0.00297	0.4939 mg/L	0.00297	0.60%
QC value within limits for Antimony,7440-36-0 Recovery = 98.77%						
Arsenic,7440-38-2†	1499.6	0.4900 mg/L	0.00172	0.4900 mg/L	0.00172	0.35%
QC value within limits for Arsenic,7440-38-2 Recovery = 98.00%						
Barium,7440-39-3†	88200.3	0.4964 mg/L	0.00062	0.4964 mg/L	0.00062	0.12%
QC value within limits for Barium,7440-39-3 Recovery = 99.29%						
Beryllium,7440-41-7†	2007165.6	0.4958 mg/L	0.00083	0.4958 mg/L	0.00083	0.17%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.17%						
Boron,7440-42-8†	157652.2	2.4273 mg/L	0.00817	2.4273 mg/L	0.00817	0.34%
QC value within limits for Boron,7440-42-8 Recovery = 97.09%						
Cadmium,7440-43-9†	120804.0	0.4890 mg/L	0.00097	0.4890 mg/L	0.00097	0.20%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.79%						
Calcium,7440-70-2†	6916.3	4.964 mg/L	0.0123	4.964 mg/L	0.0123	0.25%
QC value within limits for Calcium,7440-70-2 Recovery = 99.28%						
Chromium,7440-47-3†	82808.0	0.4981 mg/L	0.00064	0.4981 mg/L	0.00064	0.13%
QC value within limits for Chromium,7440-47-3 Recovery = 99.62%						
Cobalt,7440-48-4†	26762.4	0.4944 mg/L	0.00357	0.4944 mg/L	0.00357	0.72%
QC value within limits for Cobalt,7440-48-4 Recovery = 98.88%						
Copper,7440-50-8†	180351.7	0.4941 mg/L	0.00059	0.4941 mg/L	0.00059	0.12%
QC value within limits for Copper,7440-50-8 Recovery = 98.82%						
Iron,7439-89-6†	4833.6	4.9416 mg/L	0.01619	4.9416 mg/L	0.01619	0.33%
QC value within limits for Iron,7439-89-6 Recovery = 98.83%						
Lead,7439-92-1†	5640.1	0.4917 mg/L	0.00424	0.4917 mg/L	0.00424	0.86%
QC value within limits for Lead,7439-92-1 Recovery = 98.34%						
Lithium,7439-93-2†	24950.1	0.5031 mg/L	0.00252	0.5031 mg/L	0.00252	0.50%
QC value within limits for Lithium,7439-93-2 Recovery = 100.62%						
Magnesium,7439-95-4†	1037.8	4.9997 mg/L	0.01745	4.9997 mg/L	0.01745	0.35%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.99%						
Manganese,7439-96-5†	407131.1	0.4987 mg/L	0.00055	0.4987 mg/L	0.00055	0.11%
QC value within limits for Manganese,7439-96-5 Recovery = 99.73%						
Molybdenum,7439-98-7†	14528.9	0.4935 mg/L	0.00347	0.4935 mg/L	0.00347	0.70%
QC value within limits for Molybdenum,7439-98-7 Recovery = 98.69%						
Nickel,7440-02-0†	26393.1	0.4954 mg/L	0.00351	0.4954 mg/L	0.00351	0.71%
QC value within limits for Nickel,7440-02-0 Recovery = 99.09%						
Potassium,7440-09-7†	21367.9	10.296 mg/L	0.0699	10.296 mg/L	0.0699	0.68%
QC value within limits for Potassium,7440-09-7 Recovery = 102.96%						
Selenium,7782-49-2†	898.5	0.4977 mg/L	0.00475	0.4977 mg/L	0.00475	0.95%
QC value within limits for Selenium,7782-49-2 Recovery = 99.54%						
Silicon,7440-21-3†	259.2	0.4872 mg/L	0.00393	0.4872 mg/L	0.00393	0.81%
QC value within limits for Silicon,7440-21-3 Recovery = 97.44%						
Silver,7440-22-4†	149184.9	0.4999 mg/L	0.00063	0.4999 mg/L	0.00063	0.13%
QC value within limits for Silver,7440-22-4 Recovery = 99.98%						
Sodium,7440-23-5†	73645.3	20.512 mg/L	0.2619	20.512 mg/L	0.2619	1.28%
QC value within limits for Sodium,7440-23-5 Recovery = 102.56%						
Strontium,7440-24-6†	163233.5	0.5099 mg/L	0.00467	0.5099 mg/L	0.00467	0.92%
QC value within limits for Strontium,7440-24-6 Recovery = 101.98%						
Thallium,7440-28-0†	3063.4	0.4958 mg/L	0.00560	0.4958 mg/L	0.00560	1.13%
QC value within limits for Thallium,7440-28-0 Recovery = 99.17%						
Tin,7440-31-5†	4795.1	0.4870 mg/L	0.00440	0.4870 mg/L	0.00440	0.90%
QC value within limits for Tin,7440-31-5 Recovery = 97.39%						
Titanium,7440-32-6†	269790.4	0.5015 mg/L	0.00042	0.5015 mg/L	0.00042	0.08%
QC value within limits for Titanium,7440-32-6 Recovery = 100.31%						
Vanadium,7440-62-2†	53590.0	0.4922 mg/L	0.00068	0.4922 mg/L	0.00068	0.14%
QC value within limits for Vanadium,7440-62-2 Recovery = 98.43%						
Zinc,7440-66-6†	94436.9	0.4909 mg/L	0.00110	0.4909 mg/L	0.00110	0.22%
QC value within limits for Zinc,7440-66-6 Recovery = 98.18%						
Zirconium,7440-67-7†	209127.8	0.4985 mg/L	0.00124	0.4985 mg/L	0.00124	0.25%
QC value within limits for Zirconium,7440-67-7 Recovery = 99.71%						

All analyte(s) passed QC.

Sequence No.: 35 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/8/2006 5:14:33 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:20 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	81954.8	96.758	%	0.1218				0.13%
Ar 420.067 R	913899.5	98.321	%	0.1293				0.13%
Scandium-IS	2742508.9	98.278	%	0.7749				0.79%
Yttrium,7440-65-5A	1487133.9	98.520	%	0.7384				0.75%
Yttrium,7440-65-5R	71796.4	99.365	%	3.8111				3.84%
Aluminum,7429-90-5†	-2.6	-0.005	mg/L	0.0097	-0.005	mg/L	0.0097	194.81%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	16.6	0.0054	mg/L	0.00438	0.0054	mg/L	0.00438	81.11%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	2.3	0.0008	mg/L	0.00194	0.0008	mg/L	0.00194	257.60%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	10.9	0.0001	mg/L	0.00012	0.0001	mg/L	0.00012	193.47%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	109.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	75.36%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	2209.9	0.0340	mg/L	0.00219	0.0340	mg/L	0.00219	6.44%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	6.5	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	118.16%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	3.8	0.003	mg/L	0.0029	0.003	mg/L	0.0029	106.09%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-6.2	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	807.57%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-3.3	-0.0001	mg/L	0.00014	-0.0001	mg/L	0.00014	237.47%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-0.7	0.0000	mg/L	0.00019	0.0000	mg/L	0.00019	>999.9%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	1.4	0.0014	mg/L	0.00174	0.0014	mg/L	0.00174	120.32%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	2.2	0.0002	mg/L	0.00170	0.0002	mg/L	0.00170	894.81%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-209.9	-0.0042	mg/L	0.00035	-0.0042	mg/L	0.00035	8.32%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	0.1	0.0003	mg/L	0.01319	0.0003	mg/L	0.01319	>999.9%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	1.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	>999.9%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-11.5	-0.0004	mg/L	0.00014	-0.0004	mg/L	0.00014	36.35%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-13.8	-0.0003	mg/L	0.00017	-0.0003	mg/L	0.00017	64.01%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	173.5	0.0836	mg/L	0.02358	0.0836	mg/L	0.02358	28.19%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	14.4	0.0079	mg/L	0.00138	0.0079	mg/L	0.00138	17.31%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	4.6	0.0084	mg/L	0.01284	0.0084	mg/L	0.01284	152.34%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-44.4	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	68.41%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	1675.4	0.4666	mg/L	0.04065	0.4666	mg/L	0.04065	8.71%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	141.6	0.0004	mg/L	0.00012	0.0004	mg/L	0.00012	27.61%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	3.3	0.0005	mg/L	0.00110	0.0005	mg/L	0.00110	207.81%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-10.5	-0.0011	mg/L	0.00039	-0.0011	mg/L	0.00039	36.79%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-2.8	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	>999.9%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	12.5	0.0001	mg/L	0.00058	0.0001	mg/L	0.00058	502.46%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-35.9	-0.0002	mg/L	0.00008	-0.0002	mg/L	0.00008	41.07%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	84.4	0.0002	mg/L	0.00023	0.0002	mg/L	0.00023	115.37%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analyte(s) passed QC.

167940

Sequence No.: 36
Sample ID: 20608030204
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 37
Date Collected: 8/8/2006 5:21:19 PM
Data Type: Reprocessed on 8/9/2006 8:15:23 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608030204

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	71127.4	83.975	%	0.1034				0.12%
Ar 420.067 R	832286.1	89.541	%	0.2991				0.33%
Scandium-IS	2304160.2	82.569	%	0.7809				0.95%
Yttrium,7440-65-5A	1201743.4	79.613	%	0.7607				0.96%
Yttrium,7440-65-5R	62864.7	87.004	%	0.3145				0.36%
Aluminum,7429-90-5†	9.0	0.006	mg/L	0.0113	0.031	mg/L	0.0563	181.71%
Antimony,7440-36-0†	15.5	0.0057	mg/L	0.00455	0.0285	mg/L	0.02276	79.96%
Arsenic,7440-38-2†	-98.2	-0.0378	mg/L	0.00149	-0.1888	mg/L	0.00746	3.95%
Barium,7440-39-3†	1565.7	0.0074	mg/L	0.00009	0.0372	mg/L	0.00047	1.26%
Beryllium,7440-41-7†	-391.0	-0.0006	mg/L	0.00002	-0.0031	mg/L	0.00012	3.87%
Boron,7440-42-8†	20902.8	0.3124	mg/L	0.00114	1.5621	mg/L	0.00570	0.36%
Cadmium,7440-43-9†	-185.2	-0.0011	mg/L	0.00008	-0.0057	mg/L	0.00041	7.10%
Calcium,7440-70-2†	457687.5	328.6	mg/L	4.86	1643	mg/L	24.3	1.48%
Chromium,7440-47-3†	6257.8	0.0327	mg/L	0.00055	0.1634	mg/L	0.00275	1.69%
Cobalt,7440-48-4†	178.0	0.0032	mg/L	0.00011	0.0158	mg/L	0.00054	3.46%
Copper,7440-50-8†	3335.3	-0.0158	mg/L	0.00024	-0.0792	mg/L	0.00118	1.49%
Iron,7439-89-6†	2419.4	2.5056	mg/L	0.02201	12.528	mg/L	0.1100	0.88%
Lead,7439-92-1†	-40.6	-0.0021	mg/L	0.00104	-0.0104	mg/L	0.00518	49.88%
Lithium,7439-93-2†	1983.0	0.0417	mg/L	0.00057	0.2085	mg/L	0.00284	1.36%
Magnesium,7439-95-4†	74694.0	359.56	mg/L	4.459	1797.8	mg/L	22.29	1.24%
Manganese,7439-96-5†	4386590.0	5.3783	mg/L	0.00462	26.892	mg/L	0.0231	0.09%
Molybdenum,7439-98-7†	-49.8	-0.0022	mg/L	0.00056	-0.0112	mg/L	0.00280	25.01%
Nickel,7440-02-0†	74.5	0.0009	mg/L	0.00038	0.0044	mg/L	0.00189	42.64%
Potassium,7440-09-7†	63044.4	30.250	mg/L	0.3806	151.25	mg/L	1.903	1.26%
Selenium,7782-49-2†	-3.9	-0.0036	mg/L	0.00051	-0.0179	mg/L	0.00257	14.33%
Silicon,7440-21-3†	695.2	1.1947	mg/L	0.01332	5.9734	mg/L	0.06658	1.11%
Silver,7440-22-4†	1170.2	0.0034	mg/L	0.00044	0.0169	mg/L	0.00218	12.88%
Sodium,7440-23-5†	6524691.3	1817.2	mg/L	33.46	9086.2	mg/L	167.32	1.84%
Strontium,7440-24-6†	1091788.1	3.4047	mg/L	0.10415	17.023	mg/L	0.5207	3.06%
Thallium,7440-28-0†	-32.6	0.0061	mg/L	0.00266	0.0305	mg/L	0.01328	43.55%
Tin,7440-31-5†	-262.2	-0.0119	mg/L	0.00072	-0.0594	mg/L	0.00361	6.07%
Titanium,7440-32-6†	-149.5	-0.0003	mg/L	0.00016	-0.0014	mg/L	0.00078	55.48%
Vanadium,7440-62-2†	-1368.6	-0.0036	mg/L	0.00046	-0.0180	mg/L	0.00231	12.87%
Zinc,7440-66-6†	155.5	-0.0194	mg/L	0.00024	-0.0970	mg/L	0.00121	1.24%
Zirconium,7440-67-7†	-6823.6	-0.0141	mg/L	0.00024	-0.0706	mg/L	0.00118	1.68%

Sequence No.: 37
Sample ID: 397281
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 38
Date Collected: 8/8/2006 5:28:20 PM
Data Type: Reprocessed on 8/9/2006 8:15:24 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 397281

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	71294.4	84.172	%	0.2957				0.35%
Ar 420.067 R	828671.5	89.152	%	0.3292				0.37%
Scandium-IS	2309756.3	82.770	%	0.3324				0.40%
Yttrium,7440-65-5A	1205566.4	79.866	%	0.2869				0.36%
Yttrium,7440-65-5R	63234.3	87.515	%	0.8205				0.94%
Aluminum,7429-90-5†	547.0	1.048	mg/L	0.0036	5.238	mg/L	0.0178	0.34%
Antimony,7440-36-0†	341.6	0.1115	mg/L	0.00250	0.5577	mg/L	0.01252	2.24%
Arsenic,7440-38-2†	238.6	0.0723	mg/L	0.00226	0.3614	mg/L	0.01131	3.13%
Barium,7440-39-3†	18865.7	0.1048	mg/L	0.00120	0.5241	mg/L	0.00600	1.14%
Beryllium,7440-41-7†	393342.8	0.0966	mg/L	0.00009	0.4832	mg/L	0.00043	0.09%
Boron,7440-42-8†	54059.7	0.8230	mg/L	0.00158	4.1149	mg/L	0.00792	0.19%
Cadmium,7440-43-9†	22719.0	0.0916	mg/L	0.00116	0.4578	mg/L	0.00578	1.26%

Calcium,7440-70-2†	454985.5	326.6	mg/L	5.21	1633	mg/L	26.0	1.59%
Chromium,7440-47-3†	21815.1	0.1263	mg/L	0.00124	0.6314	mg/L	0.00620	0.98%
Cobalt,7440-48-4†	5336.3	0.0984	mg/L	0.00130	0.4922	mg/L	0.00648	1.32%
Copper,7440-50-8†	43860.4	0.0954	mg/L	0.00032	0.4771	mg/L	0.00161	0.34%
Iron,7439-89-6†	3369.0	3.4761	mg/L	0.01631	17.380	mg/L	0.0815	0.47%
Lead,7439-92-1†	1063.7	0.0942	mg/L	0.00193	0.4708	mg/L	0.00967	2.05%
Lithium,7439-93-2†	8468.9	0.1725	mg/L	0.00274	0.8623	mg/L	0.01370	1.59%
Magnesium,7439-95-4†	74242.3	357.39	mg/L	4.918	1786.9	mg/L	24.59	1.38%
Manganese,7439-96-5†	4421621.7	5.4212	mg/L	0.00258	27.106	mg/L	0.0129	0.05%
Molybdenum,7439-98-7†	2914.6	0.0984	mg/L	0.00131	0.4922	mg/L	0.00655	1.33%
Nickel,7440-02-0†	5103.2	0.0953	mg/L	0.00108	0.4764	mg/L	0.00540	1.13%
Potassium,7440-09-7†	67786.8	32.536	mg/L	0.3946	162.68	mg/L	1.973	1.21%
Selenium,7782-49-2†	189.4	0.1034	mg/L	0.00431	0.5171	mg/L	0.02153	4.16%
Silicon,7440-21-3†	752.3	1.3026	mg/L	0.00870	6.5130	mg/L	0.04352	0.67%
Silver,7440-22-4†	33634.7	0.1122	mg/L	0.00053	0.5608	mg/L	0.00263	0.47%
Sodium,7440-23-5†	6390135.6	1779.8	mg/L	14.73	8898.8	mg/L	73.67	0.83%
Strontium,7440-24-6†	1132721.2	3.5326	mg/L	0.02972	17.663	mg/L	0.1486	0.84%
Thallium,7440-28-0†	566.6	0.1030	mg/L	0.00036	0.5150	mg/L	0.00180	0.35%
Tin,7440-31-5†	688.4	0.0845	mg/L	0.00134	0.4226	mg/L	0.00669	1.58%
Titanium,7440-32-6†	53037.5	0.0986	mg/L	0.00016	0.4930	mg/L	0.00082	0.17%
Vanadium,7440-62-2†	9519.2	0.0963	mg/L	0.00072	0.4816	mg/L	0.00361	0.75%
Zinc,7440-66-6†	19019.2	0.0789	mg/L	0.00095	0.3943	mg/L	0.00477	1.21%
Zirconium,7440-67-7†	-6252.7	-0.0128	mg/L	0.00026	-0.0639	mg/L	0.00129	2.01%

Sequence No.: 38
Sample ID: 397293
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 39
Date Collected: 8/8/2006 5:35:19 PM
Data Type: Reprocessed on 8/9/2006 8:15:26 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 397293

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	71501.2	84.416	%	0.2272				0.27%
Ar 420.067 R	833614.5	89.684	%	0.0918				0.10%
Scandium-IS	2303004.8	82.528	%	0.6815				0.83%
Yttrium,7440-65-5A	1201746.8	79.613	%	0.6290				0.79%
Yttrium,7440-65-5R	62822.8	86.946	%	0.8762				1.01%
Aluminum,7429-90-5†	559.2	1.071	mg/L	0.0162	5.356	mg/L	0.0812	1.52%
Antimony,7440-36-0†	355.7	0.1161	mg/L	0.00151	0.5807	mg/L	0.00755	1.30%
Arsenic,7440-38-2†	236.0	0.0714	mg/L	0.00128	0.3568	mg/L	0.00642	1.80%
Barium,7440-39-3†	19384.0	0.1077	mg/L	0.00092	0.5386	mg/L	0.00461	0.86%
Beryllium,7440-41-7†	401670.8	0.0987	mg/L	0.00019	0.4935	mg/L	0.00097	0.20%
Boron,7440-42-8†	54785.2	0.8340	mg/L	0.00380	4.1702	mg/L	0.01900	0.46%
Cadmium,7440-43-9†	23361.0	0.0942	mg/L	0.00079	0.4708	mg/L	0.00394	0.84%
Calcium,7440-70-2†	461161.9	331.1	mg/L	4.84	1655	mg/L	24.2	1.46%
Chromium,7440-47-3†	22327.8	0.1293	mg/L	0.00124	0.6465	mg/L	0.00618	0.96%
Cobalt,7440-48-4†	5467.6	0.1009	mg/L	0.00078	0.5043	mg/L	0.00390	0.77%
Copper,7440-50-8†	44907.2	0.0980	mg/L	0.00067	0.4898	mg/L	0.00333	0.68%
Iron,7439-89-6†	3423.2	3.5319	mg/L	0.03620	17.660	mg/L	0.1810	1.03%
Lead,7439-92-1†	1083.3	0.0959	mg/L	0.00256	0.4794	mg/L	0.01282	2.67%
Lithium,7439-93-2†	8509.8	0.1733	mg/L	0.00437	0.8665	mg/L	0.02184	2.52%
Magnesium,7439-95-4†	75138.4	361.70	mg/L	4.993	1808.5	mg/L	24.96	1.38%
Manganese,7439-96-5†	4490562.5	5.5057	mg/L	0.01545	27.529	mg/L	0.0772	0.28%
Molybdenum,7439-98-7†	2974.3	0.1005	mg/L	0.00093	0.5023	mg/L	0.00463	0.92%
Nickel,7440-02-0†	5236.0	0.0978	mg/L	0.00112	0.4888	mg/L	0.00560	1.15%
Potassium,7440-09-7†	68764.2	33.006	mg/L	0.4635	165.03	mg/L	2.318	1.40%
Selenium,7782-49-2†	192.1	0.1049	mg/L	0.00466	0.5245	mg/L	0.02332	4.45%
Silicon,7440-21-3†	761.0	1.3176	mg/L	0.00897	6.5878	mg/L	0.04485	0.68%
Silver,7440-22-4†	34453.0	0.1149	mg/L	0.00019	0.5744	mg/L	0.00095	0.17%
Sodium,7440-23-5†	6390330.7	1779.8	mg/L	20.36	8899.1	mg/L	101.81	1.14%
Strontium,7440-24-6†	1151428.7	3.5910	mg/L	0.02079	17.955	mg/L	0.1040	0.58%
Thallium,7440-28-0†	571.2	0.1039	mg/L	0.00139	0.5197	mg/L	0.00693	1.33%
Tin,7440-31-5†	717.4	0.0877	mg/L	0.00119	0.4383	mg/L	0.00596	1.36%
Titanium,7440-32-6†	54064.0	0.1005	mg/L	0.00023	0.5025	mg/L	0.00113	0.22%
Vanadium,7440-62-2†	9795.4	0.0990	mg/L	0.00026	0.4948	mg/L	0.00132	0.27%
Zinc,7440-66-6†	19763.4	0.0825	mg/L	0.00091	0.4124	mg/L	0.00455	1.10%
Zirconium,7440-67-7†	-6819.4	-0.0141	mg/L	0.00016	-0.0706	mg/L	0.00080	1.14%

Sequence No.: 39
Sample ID: 398901
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 40
Date Collected: 8/8/2006 5:42:18 PM
Data Type: Reprocessed on 8/9/2006 8:15:28 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398901

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	71734.2	84.691	%	0.2064				0.24%
Ar 420.067 R	826900.6	88.961	%	0.1847				0.21%
Scandium-IS	2342966.1	83.960	%	0.7014				0.84%
Yttrium,7440-65-5A	1222717.6	81.003	%	0.6740				0.83%
Yttrium,7440-65-5R	63719.4	88.187	%	0.7859				0.89%
Aluminum,7429-90-5†	2590.8	5.004	mg/L	0.0393	25.02	mg/L	0.196	0.78%
Antimony,7440-36-0†	1558.7	0.5066	mg/L	0.00242	2.5331	mg/L	0.01208	0.48%
Arsenic,7440-38-2†	1467.9	0.4739	mg/L	0.00590	2.3693	mg/L	0.02948	1.24%
Barium,7440-39-3†	85158.5	0.4779	mg/L	0.00086	2.3897	mg/L	0.00429	0.18%
Beryllium,7440-41-7†	1894392.4	0.4675	mg/L	0.00032	2.3373	mg/L	0.00162	0.07%
Boron,7440-42-8†	183225.4	2.8115	mg/L	0.01149	14.058	mg/L	0.0575	0.41%
Cadmium,7440-43-9†	111915.3	0.4526	mg/L	0.00060	2.2630	mg/L	0.00300	0.13%
Calcium,7440-70-2†	458173.3	328.9	mg/L	0.50	1645	mg/L	2.5	0.15%
Chromium,7440-47-3†	82755.8	0.4928	mg/L	0.00082	2.4642	mg/L	0.00412	0.17%
Cobalt,7440-48-4†	24871.5	0.4593	mg/L	0.00240	2.2965	mg/L	0.01199	0.52%
Copper,7440-50-8†	199084.4	0.5208	mg/L	0.00075	2.6041	mg/L	0.00377	0.14%
Iron,7439-89-6†	7012.6	7.2010	mg/L	0.08243	36.005	mg/L	0.4122	1.14%
Lead,7439-92-1†	5141.8	0.4496	mg/L	0.00332	2.2478	mg/L	0.01659	0.74%
Lithium,7439-93-2†	32929.7	0.6656	mg/L	0.00308	3.3282	mg/L	0.01541	0.46%
Magnesium,7439-95-4†	74716.8	359.68	mg/L	0.694	1798.4	mg/L	3.47	0.19%
Manganese,7439-96-5†	4740373.8	5.8116	mg/L	0.00575	29.058	mg/L	0.0287	0.10%
Molybdenum,7439-98-7†	13895.3	0.4714	mg/L	0.00222	2.3570	mg/L	0.01108	0.47%
Nickel,7440-02-0†	23943.9	0.4489	mg/L	0.00233	2.2446	mg/L	0.01167	0.52%
Potassium,7440-09-7†	87335.9	41.958	mg/L	0.1001	209.79	mg/L	0.500	0.24%
Selenium,7782-49-2†	917.7	0.5067	mg/L	0.00394	2.5333	mg/L	0.01970	0.78%
Silicon,7440-21-3†	944.7	1.6646	mg/L	0.01375	8.3232	mg/L	0.06873	0.83%
Silver,7440-22-4†	157431.6	0.5269	mg/L	0.00079	2.6344	mg/L	0.00393	0.15%
Sodium,7440-23-5†	6220522.0	1732.5	mg/L	21.59	8662.6	mg/L	107.95	1.25%
Strontium,7440-24-6†	1250363.6	3.9001	mg/L	0.01602	19.501	mg/L	0.0801	0.41%
Thallium,7440-28-0†	2836.4	0.4705	mg/L	0.00496	2.3527	mg/L	0.02482	1.05%
Tin,7440-31-5†	4285.0	0.4497	mg/L	0.00302	2.2486	mg/L	0.01510	0.67%
Titanium,7440-32-6†	253987.4	0.4721	mg/L	0.00001	2.3607	mg/L	0.00007	0.00%
Vanadium,7440-62-2†	51375.8	0.4807	mg/L	0.00140	2.4034	mg/L	0.00699	0.29%
Zinc,7440-66-6†	93439.5	0.4660	mg/L	0.00062	2.3300	mg/L	0.00310	0.13%
Zirconium,7440-67-7†	-6401.1	-0.0132	mg/L	0.00019	-0.0661	mg/L	0.00093	1.40%

Sequence No.: 40
Sample ID: 398902
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 25X

Autosampler Location: 41
Date Collected: 8/8/2006 5:49:25 PM
Data Type: Reprocessed on 8/9/2006 8:15:29 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398902

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	78847.0	93.088	%	0.0647				0.07%
Ar 420.067 R	886834.5	95.409	%	0.3428				0.36%
Scandium-IS	2538779.7	90.977	%	0.9365				1.03%
Yttrium,7440-65-5A	1335422.6	88.469	%	0.9470				1.07%
Yttrium,7440-65-5R	67156.0	92.943	%	1.2475				1.34%
Aluminum,7429-90-5†	-2.4	-0.007	mg/L	0.0214	-0.173	mg/L	0.5338	309.16%
Antimony,7440-36-0†	18.4	0.0061	mg/L	0.00310	0.1530	mg/L	0.07753	50.67%
Arsenic,7440-38-2†	-61.5	-0.0212	mg/L	0.00268	-0.5294	mg/L	0.06704	12.66%
Barium,7440-39-3†	329.0	0.0016	mg/L	0.00013	0.0394	mg/L	0.00314	7.98%
Beryllium,7440-41-7†	-13.1	-0.0001	mg/L	0.00001	-0.0028	mg/L	0.00016	5.68%

Boron,7440-42-8†	5755.7	0.0867 mg/L	0.00226	2.1673 mg/L	0.05643	2.60%
Cadmium,7440-43-9†	-53.0	-0.0003 mg/L	0.00008	-0.0074 mg/L	0.00194	26.19%
Calcium,7440-70-2†	92680.6	66.53 mg/L	1.728	1663 mg/L	43.2	2.60%
Chromium,7440-47-3†	1859.4	0.0102 mg/L	0.00031	0.2546 mg/L	0.00779	3.06%
Cobalt,7440-48-4†	-12.9	-0.0003 mg/L	0.00047	-0.0067 mg/L	0.01171	174.23%
Copper,7440-50-8†	1927.8	0.0002 mg/L	0.00009	0.0058 mg/L	0.00232	39.85%
Iron,7439-89-6†	485.2	0.5024 mg/L	0.01067	12.561 mg/L	0.2667	2.12%
Lead,7439-92-1†	0.1	0.0003 mg/L	0.00070	0.0075 mg/L	0.01747	232.98%
Lithium,7439-93-2†	92.5	0.0022 mg/L	0.00144	0.0552 mg/L	0.03594	65.09%
Magnesium,7439-95-4†	14908.8	71.768 mg/L	1.6417	1794.2 mg/L	41.04	2.29%
Manganese,7439-96-5†	892448.2	1.0942 mg/L	0.00089	27.355 mg/L	0.0223	0.08%
Molybdenum,7439-98-7†	13.1	0.0003 mg/L	0.00018	0.0084 mg/L	0.00442	52.87%
Nickel,7440-02-0†	15.3	0.0002 mg/L	0.00015	0.0045 mg/L	0.00373	81.97%
Potassium,7440-09-7†	11010.0	5.2787 mg/L	0.12092	131.97 mg/L	3.023	2.29%
Selenium,7782-49-2†	-2.2	-0.0015 mg/L	0.00326	-0.0380 mg/L	0.08143	214.05%
Silicon,7440-21-3†	140.3	0.2413 mg/L	0.01190	6.0322 mg/L	0.29757	4.93%
Silver,7440-22-4†	132.5	0.0003 mg/L	0.00021	0.0083 mg/L	0.00535	64.85%
Sodium,7440-23-5†	1530214.3	426.19 mg/L	5.913	10655 mg/L	147.8	1.39%
Strontium,7440-24-6†	216261.8	0.6744 mg/L	0.00590	16.859 mg/L	0.1475	0.88%
Thallium,7440-28-0†	-3.1	0.0018 mg/L	0.00124	0.0450 mg/L	0.03100	68.89%
Tin,7440-31-5†	-143.6	-0.0116 mg/L	0.00104	-0.2904 mg/L	0.02596	8.94%
Titanium,7440-32-6†	-43.5	-0.0001 mg/L	0.00012	-0.0020 mg/L	0.00308	150.78%
Vanadium,7440-62-2†	-698.5	-0.0046 mg/L	0.00045	-0.1156 mg/L	0.01121	9.70%
Zinc,7440-66-6†	146.8	-0.0033 mg/L	0.00005	-0.0825 mg/L	0.00130	1.57%
Zirconium,7440-67-7†	-3925.5	-0.0089 mg/L	0.00004	-0.2231 mg/L	0.00107	0.48%

Sequence No.: 41 **Autosampler Location: 42**
Sample ID: --- **Date Collected: 8/8/2006 5:56:04 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:31 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	84624.9	99.910	%	0.4453				0.45%
Ar 420.067 R	921228.2	99.110	%	0.4258				0.43%
Scandium-IS	2786342.6	99.848	%	0.9953				1.00%
Yttrium,7440-65-5A	1508467.2	99.933	%	1.0063				1.01%
Yttrium,7440-65-5R	73444.6	101.65	%	0.920				0.91%
Aluminum,7429-90-5†	-5.7	-0.011	mg/L	0.0083	-0.011	mg/L	0.0083	75.57%
Antimony,7440-36-0†	-1.9	-0.0006	mg/L	0.00268	-0.0006	mg/L	0.00268	421.99%
Arsenic,7440-38-2†	3.1	0.0010	mg/L	0.00133	0.0010	mg/L	0.00133	133.71%
Barium,7440-39-3†	-15.0	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	59.78%
Beryllium,7440-41-7†	15.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	426.48%
Boron,7440-42-8†	1032.0	0.0159	mg/L	0.00050	0.0159	mg/L	0.00050	3.15%
Cadmium,7440-43-9†	22.0	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	84.67%
Calcium,7440-70-2†	-0.1	0.000	mg/L	0.0054	0.000	mg/L	0.0054	>999.9%
Chromium,7440-47-3†	-9.9	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	114.53%
Cobalt,7440-48-4†	-5.2	-0.0001	mg/L	0.00026	-0.0001	mg/L	0.00026	268.90%
Copper,7440-50-8†	131.1	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	22.90%
Iron,7439-89-6†	4.0	0.0041	mg/L	0.00257	0.0041	mg/L	0.00257	62.20%
Lead,7439-92-1†	12.2	0.0011	mg/L	0.00115	0.0011	mg/L	0.00115	108.19%
Lithium,7439-93-2†	-364.3	-0.0073	mg/L	0.00058	-0.0073	mg/L	0.00058	7.85%
Magnesium,7439-95-4†	5.2	0.0252	mg/L	0.01781	0.0252	mg/L	0.01781	70.77%
Manganese,7439-96-5†	124.3	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	19.69%
Molybdenum,7439-98-7†	1.4	0.0000	mg/L	0.00041	0.0000	mg/L	0.00041	836.95%
Nickel,7440-02-0†	-4.8	-0.0001	mg/L	0.00027	-0.0001	mg/L	0.00027	292.38%
Potassium,7440-09-7†	1124.3	0.5422	mg/L	0.02625	0.5422	mg/L	0.02625	4.84%
Selenium,7782-49-2†	6.2	0.0034	mg/L	0.00443	0.0034	mg/L	0.00443	129.56%
Silicon,7440-21-3†	-2.9	-0.0054	mg/L	0.00226	-0.0054	mg/L	0.00226	41.54%
Silver,7440-22-4†	-11.7	0.0000	mg/L	0.00028	0.0000	mg/L	0.00028	735.74%
Sodium,7440-23-5†	19773.0	5.5072	mg/L	0.09989	5.5072	mg/L	0.09989	1.81%
Strontium,7440-24-6†	134.2	0.0004	mg/L	0.00021	0.0004	mg/L	0.00021	50.62%
Thallium,7440-28-0†	14.4	0.0023	mg/L	0.00264	0.0023	mg/L	0.00264	114.85%
Tin,7440-31-5†	-31.4	-0.0032	mg/L	0.00044	-0.0032	mg/L	0.00044	13.78%
Titanium,7440-32-6†	-55.2	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	194.44%
Vanadium,7440-62-2†	76.7	0.0007	mg/L	0.00064	0.0007	mg/L	0.00064	91.15%

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Zinc,7440-66-6†	-51.7	-0.0003	mg/L	0.00009	-0.0003	mg/L	0.00009 33.77%
Zirconium,7440-67-7†	-324.1	-0.0008	mg/L	0.00018	-0.0008	mg/L	0.00018 23.07%

Sequence No.: 42
Sample ID: 398508
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 43
Date Collected: 8/8/2006 6:02:50 PM
Data Type: Reprocessed on 8/9/2006 8:15:33 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398508

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	83639.4	98.746	%	0.5121				0.52%
Ar 420.067 R	911312.6	98.043	%	0.1682				0.17%
Scandium-IS	2787853.5	99.903	%	0.2369				0.24%
Yttrium,7440-65-5A	1512391.0	100.19	%	0.295				0.29%
Yttrium,7440-65-5R	72891.3	100.88	%	0.877				0.87%
Aluminum,7429-90-5†	-2.2	-0.004	mg/L	0.0081	-0.004	mg/L	0.0081	188.71%
Antimony,7440-36-0†	3.7	0.0012	mg/L	0.00114	0.0012	mg/L	0.00114	95.22%
Arsenic,7440-38-2†	2.0	0.0007	mg/L	0.00142	0.0007	mg/L	0.00142	215.32%
Barium,7440-39-3†	2.8	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	361.88%
Beryllium,7440-41-7†	4.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	588.31%
Boron,7440-42-8†	834.5	0.0128	mg/L	0.00072	0.0128	mg/L	0.00072	5.58%
Cadmium,7440-43-9†	51.1	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	11.87%
Calcium,7440-70-2†	21.8	0.016	mg/L	0.0012	0.016	mg/L	0.0012	7.73%
Chromium,7440-47-3†	29.7	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	51.84%
Cobalt,7440-48-4†	12.7	0.0002	mg/L	0.00028	0.0002	mg/L	0.00028	118.80%
Copper,7440-50-8†	-27.0	-0.0001	mg/L	0.00020	-0.0001	mg/L	0.00020	262.85%
Iron,7439-89-6†	3.0	0.0030	mg/L	0.00082	0.0030	mg/L	0.00082	26.78%
Lead,7439-92-1†	23.8	0.0021	mg/L	0.00055	0.0021	mg/L	0.00055	26.69%
Lithium,7439-93-2†	-348.2	-0.0070	mg/L	0.00045	-0.0070	mg/L	0.00045	6.38%
Magnesium,7439-95-4†	1.3	0.0065	mg/L	0.00789	0.0065	mg/L	0.00789	121.91%
Manganese,7439-96-5†	1342.7	0.0016	mg/L	0.00002	0.0016	mg/L	0.00002	0.97%
Molybdenum,7439-98-7†	-6.7	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012	51.21%
Nickel,7440-02-0†	0.5	0.0000	mg/L	0.00039	0.0000	mg/L	0.00039	>999.9%
Potassium,7440-09-7†	315.3	0.1521	mg/L	0.04301	0.1521	mg/L	0.04301	28.29%
Selenium,7782-49-2†	9.4	0.0052	mg/L	0.00523	0.0052	mg/L	0.00523	101.20%
Silicon,7440-21-3†	2.0	0.0038	mg/L	0.00401	0.0038	mg/L	0.00401	106.40%
Silver,7440-22-4†	-68.7	-0.0002	mg/L	0.00018	-0.0002	mg/L	0.00018	79.53%
Sodium,7440-23-5†	4624.0	1.2879	mg/L	0.21343	1.2879	mg/L	0.21343	16.57%
Strontium,7440-24-6†	47.6	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	70.97%
Thallium,7440-28-0†	4.4	0.0007	mg/L	0.00138	0.0007	mg/L	0.00138	193.47%
Tin,7440-31-5†	-21.6	-0.0022	mg/L	0.00033	-0.0022	mg/L	0.00033	14.99%
Titanium,7440-32-6†	-39.0	-0.0001	mg/L	0.00014	-0.0001	mg/L	0.00014	196.74%
Vanadium,7440-62-2†	14.8	0.0001	mg/L	0.00041	0.0001	mg/L	0.00041	305.17%
Zinc,7440-66-6†	813.8	0.0043	mg/L	0.00003	0.0043	mg/L	0.00003	0.69%
Zirconium,7440-67-7†	-268.6	-0.0006	mg/L	0.00018	-0.0006	mg/L	0.00018	28.86%

Sequence No.: 43
Sample ID: 398509
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 44
Date Collected: 8/8/2006 6:09:36 PM
Data Type: Reprocessed on 8/9/2006 8:15:35 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	82877.0	97.846	%	0.1595				0.16%
Ar 420.067 R	906953.4	97.574	%	0.1099				0.11%
Scandium-IS	2756910.2	98.794	%	0.9797				0.99%
Yttrium,7440-65-5A	1468246.2	97.268	%	0.9904				1.02%
Yttrium,7440-65-5R	71147.6	98.468	%	1.2176				1.24%
Aluminum,7429-90-5†	2604.4	5.041	mg/L	0.0536	5.041	mg/L	0.0536	1.06%
Antimony,7440-36-0†	1538.2	0.4992	mg/L	0.00842	0.4992	mg/L	0.00842	1.69%
Arsenic,7440-38-2†	1525.8	0.4985	mg/L	0.00578	0.4985	mg/L	0.00578	1.16%

Barium,7440-39-3†	89289.5	0.5026 mg/L	0.00050	0.5026 mg/L	0.00050	0.10%
Beryllium,7440-41-7†	2014042.1	0.4975 mg/L	0.00062	0.4975 mg/L	0.00062	0.13%
Boron,7440-42-8†	158742.0	2.4441 mg/L	0.00670	2.4441 mg/L	0.00670	0.27%
Cadmium,7440-43-9†	122807.7	0.4971 mg/L	0.00088	0.4971 mg/L	0.00088	0.18%
Calcium,7440-70-2†	6872.7	4.933 mg/L	0.0492	4.933 mg/L	0.0492	1.00%
Chromium,7440-47-3†	83534.0	0.5025 mg/L	0.00025	0.5025 mg/L	0.00025	0.05%
Cobalt,7440-48-4†	27061.0	0.4999 mg/L	0.00716	0.4999 mg/L	0.00716	1.43%
Copper,7440-50-8†	181166.0	0.4963 mg/L	0.00054	0.4963 mg/L	0.00054	0.11%
Iron,7439-89-6†	4831.6	4.9396 mg/L	0.04098	4.9396 mg/L	0.04098	0.83%
Lead,7439-92-1†	5710.5	0.4978 mg/L	0.00534	0.4978 mg/L	0.00534	1.07%
Lithium,7439-93-2†	24451.4	0.4930 mg/L	0.00835	0.4930 mg/L	0.00835	1.69%
Magnesium,7439-95-4†	1048.1	5.0494 mg/L	0.04831	5.0494 mg/L	0.04831	0.96%
Manganese,7439-96-5†	410994.5	0.5034 mg/L	0.00052	0.5034 mg/L	0.00052	0.10%
Molybdenum,7439-98-7†	14621.7	0.4966 mg/L	0.00680	0.4966 mg/L	0.00680	1.37%
Nickel,7440-02-0†	26688.6	0.5010 mg/L	0.00663	0.5010 mg/L	0.00663	1.32%
Potassium,7440-09-7†	21171.8	10.201 mg/L	0.2224	10.201 mg/L	0.2224	2.18%
Selenium,7782-49-2†	916.5	0.5076 mg/L	0.00877	0.5076 mg/L	0.00877	1.73%
Silicon,7440-21-3†	245.3	0.4614 mg/L	0.00885	0.4614 mg/L	0.00885	1.92%
Silver,7440-22-4†	149469.9	0.5009 mg/L	0.00006	0.5009 mg/L	0.00006	0.01%
Sodium,7440-23-5†	73417.1	20.448 mg/L	0.1208	20.448 mg/L	0.1208	0.59%
Strontium,7440-24-6†	163058.9	0.5094 mg/L	0.00344	0.5094 mg/L	0.00344	0.68%
Thallium,7440-28-0†	3114.7	0.5041 mg/L	0.00820	0.5041 mg/L	0.00820	1.63%
Tin,7440-31-5†	4844.9	0.4920 mg/L	0.00714	0.4920 mg/L	0.00714	1.45%
Titanium,7440-32-6†	272471.1	0.5065 mg/L	0.00037	0.5065 mg/L	0.00037	0.07%
Vanadium,7440-62-2†	54479.2	0.5003 mg/L	0.00015	0.5003 mg/L	0.00015	0.03%
Zinc,7440-66-6†	94324.8	0.4903 mg/L	0.00054	0.4903 mg/L	0.00054	0.11%
Zirconium,7440-67-7†	195.7	0.0004 mg/L	0.00028	0.0004 mg/L	0.00028	74.32%

Sequence No.: 44
Sample ID: 20608070601
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 45
Date Collected: 8/8/2006 6:16:20 PM
Data Type: Reprocessed on 8/9/2006 8:15:36 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608070601

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	80149.6	94.626	%	0.1965				0.21%
Ar 420.067 R	890815.1	95.838	%	0.3674				0.38%
Scandium-IS	2610985.7	93.564	%	0.3092				0.33%
Yttrium,7440-65-5A	1370278.2	90.778	%	0.2527				0.28%
Yttrium,7440-65-5R	70328.0	97.333	%	1.6686				1.71%
Aluminum,7429-90-5†	144.9	0.280	mg/L	0.0074	0.280	mg/L	0.0074	2.64%
Antimony,7440-36-0†	2.6	0.0009	mg/L	0.00042	0.0009	mg/L	0.00042	47.44%
Arsenic,7440-38-2†	-23.7	-0.0077	mg/L	0.00119	-0.0077	mg/L	0.00119	15.55%
Barium,7440-39-3†	40808.4	0.2299	mg/L	0.00025	0.2299	mg/L	0.00025	0.11%
Beryllium,7440-41-7†	48.1	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	>999.9%
Boron,7440-42-8†	10335.4	0.1590	mg/L	0.00244	0.1590	mg/L	0.00244	1.53%
Cadmium,7440-43-9†	-599.7	-0.0025	mg/L	0.00007	-0.0025	mg/L	0.00007	2.70%
Calcium,7440-70-2†	38640.2	27.74	mg/L	0.477	27.74	mg/L	0.477	1.72%
Chromium,7440-47-3†	513.7	0.0030	mg/L	0.00010	0.0030	mg/L	0.00010	3.19%
Cobalt,7440-48-4†	371.4	0.0069	mg/L	0.00042	0.0069	mg/L	0.00042	6.06%
Copper,7440-50-8†	3000.5	0.0065	mg/L	0.00017	0.0065	mg/L	0.00017	2.67%
Iron,7439-89-6†	500.8	0.5125	mg/L	0.00203	0.5125	mg/L	0.00203	0.40%
Lead,7439-92-1†	102.3	0.0091	mg/L	0.00067	0.0091	mg/L	0.00067	7.35%
Lithium,7439-93-2†	602.3	0.0122	mg/L	0.00066	0.0122	mg/L	0.00066	5.41%
Magnesium,7439-95-4†	1016.1	4.8921	mg/L	0.03021	4.8921	mg/L	0.03021	0.62%
Manganese,7439-96-5†	82104.0	0.1007	mg/L	0.00015	0.1007	mg/L	0.00015	0.15%
Molybdenum,7439-98-7†	358.4	0.0121	mg/L	0.00062	0.0121	mg/L	0.00062	5.11%
Nickel,7440-02-0†	373.0	0.0070	mg/L	0.00048	0.0070	mg/L	0.00048	6.91%
Potassium,7440-09-7†	9164.4	4.4138	mg/L	0.05017	4.4138	mg/L	0.05017	1.14%
Selenium,7782-49-2†	70.4	0.0394	mg/L	0.00550	0.0394	mg/L	0.00550	13.95%
Silicon,7440-21-3†	3167.7	5.8554	mg/L	0.00761	5.8554	mg/L	0.00761	0.13%
Silver,7440-22-4†	-80.1	-0.0002	mg/L	0.00034	-0.0002	mg/L	0.00034	185.95%
Sodium,7440-23-5†	3238300.2	901.93	mg/L	12.517	901.93	mg/L	12.517	1.39%
Strontium,7440-24-6†	131341.0	0.4098	mg/L	0.00630	0.4098	mg/L	0.00630	1.54%
Thallium,7440-28-0†	13.0	0.0024	mg/L	0.00180	0.0024	mg/L	0.00180	76.51%
Tin,7440-31-5†	-92.1	-0.0086	mg/L	0.00095	-0.0086	mg/L	0.00095	11.09%

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Titanium,7440-32-6†	2971.2	0.0055	mg/L	0.00017	0.0055	mg/L	0.00017	3.10%
Vanadium,7440-62-2†	2157.4	0.0199	mg/L	0.00045	0.0199	mg/L	0.00045	2.23%
Zinc,7440-66-6†	13944.6	0.0724	mg/L	0.00062	0.0724	mg/L	0.00062	0.86%
Zirconium,7440-67-7†	-2184.1	-0.0050	mg/L	0.00017	-0.0050	mg/L	0.00017	3.36%

Sequence No.: 45 **Autosampler Location: 46**
Sample ID: 398510 **Date Collected: 8/8/2006 6:23:01 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:38 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 398510

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	80124.9	94.597	%	0.1987				0.21%
Ar 420.067 R	886977.6	95.425	%	0.1976				0.21%
Scandium-IS	2616832.0	93.774	%	1.1191				1.19%
Yttrium,7440-65-5A	1373598.1	90.998	%	1.0494				1.15%
Yttrium,7440-65-5R	69777.1	96.571	%	0.8300				0.86%
Aluminum,7429-90-5†	147.3	0.285	mg/L	0.0235	0.285	mg/L	0.0235	8.24%
Antimony,7440-36-0†	4.8	0.0016	mg/L	0.00269	0.0016	mg/L	0.00269	166.15%
Arsenic,7440-38-2†	-26.1	-0.0084	mg/L	0.00224	-0.0084	mg/L	0.00224	26.62%
Barium,7440-39-3†	41966.3	0.2364	mg/L	0.00058	0.2364	mg/L	0.00058	0.25%
Beryllium,7440-41-7†	-35.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	163.77%
Boron,7440-42-8†	9813.6	0.1509	mg/L	0.00206	0.1509	mg/L	0.00206	1.36%
Cadmium,7440-43-9†	-599.1	-0.0025	mg/L	0.00008	-0.0025	mg/L	0.00008	3.43%
Calcium,7440-70-2†	39007.7	28.01	mg/L	0.492	28.01	mg/L	0.492	1.76%
Chromium,7440-47-3†	497.5	0.0029	mg/L	0.00017	0.0029	mg/L	0.00017	5.70%
Cobalt,7440-48-4†	378.3	0.0070	mg/L	0.00018	0.0070	mg/L	0.00018	2.55%
Copper,7440-50-8†	3063.1	0.0067	mg/L	0.00007	0.0067	mg/L	0.00007	1.00%
Iron,7439-89-6†	490.1	0.5016	mg/L	0.00863	0.5016	mg/L	0.00863	1.72%
Lead,7439-92-1†	100.9	0.0090	mg/L	0.00046	0.0090	mg/L	0.00046	5.14%
Lithium,7439-93-2†	637.9	0.0129	mg/L	0.00054	0.0129	mg/L	0.00054	4.18%
Magnesium,7439-95-4†	1039.2	5.0032	mg/L	0.07188	5.0032	mg/L	0.07188	1.44%
Manganese,7439-96-5†	82927.5	0.1017	mg/L	0.00003	0.1017	mg/L	0.00003	0.03%
Molybdenum,7439-98-7†	359.6	0.0121	mg/L	0.00013	0.0121	mg/L	0.00013	1.07%
Nickel,7440-02-0†	381.8	0.0072	mg/L	0.00048	0.0072	mg/L	0.00048	6.70%
Potassium,7440-09-7†	9390.4	4.5228	mg/L	0.08316	4.5228	mg/L	0.08316	1.84%
Selenium,7782-49-2†	69.2	0.0388	mg/L	0.00149	0.0388	mg/L	0.00149	3.84%
Silicon,7440-21-3†	3220.9	5.9536	mg/L	0.09208	5.9536	mg/L	0.09208	1.55%
Silver,7440-22-4†	-129.5	-0.0003	mg/L	0.00024	-0.0003	mg/L	0.00024	69.35%
Sodium,7440-23-5†	3308766.4	921.55	mg/L	8.640	921.55	mg/L	8.640	0.94%
Strontium,7440-24-6†	133649.0	0.4170	mg/L	0.00754	0.4170	mg/L	0.00754	1.81%
Thallium,7440-28-0†	18.0	0.0032	mg/L	0.00067	0.0032	mg/L	0.00067	21.24%
Tin,7440-31-5†	-112.8	-0.0107	mg/L	0.00028	-0.0107	mg/L	0.00028	2.67%
Titanium,7440-32-6†	2666.3	0.0050	mg/L	0.00035	0.0050	mg/L	0.00035	7.13%
Vanadium,7440-62-2†	2250.1	0.0208	mg/L	0.00083	0.0208	mg/L	0.00083	3.99%
Zinc,7440-66-6†	14045.9	0.0729	mg/L	0.00119	0.0729	mg/L	0.00119	1.63%
Zirconium,7440-67-7†	-2248.6	-0.0051	mg/L	0.00010	-0.0051	mg/L	0.00010	1.85%

Sequence No.: 46 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/8/2006 6:29:43 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:40 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	81274.9	95.955	%	0.1215				0.13%
Ar 420.067 R	902866.9	97.134	%	0.2580				0.27%
Scandium-IS	2724317.9	97.626	%	0.6303				0.65%
Yttrium,7440-65-5A	1453779.5	96.310	%	0.6164				0.64%
Yttrium,7440-65-5R	71222.5	98.571	%	0.4391				0.45%
Aluminum,7429-90-5†	2610.5	5.053	mg/L	0.0515	5.053	mg/L	0.0515	1.02%

QC value within limits for Aluminum,7429-90-5 Recovery = 101.05%

Antimony,7440-36-0†	1494.6	0.4851 mg/L	0.00218	0.4851 mg/L	0.00218	0.45%

QC value within limits for Antimony,7440-36-0 Recovery = 97.01%

Arsenic,7440-38-2†	1493.3	0.4879 mg/L	0.00230	0.4879 mg/L	0.00230	0.47%

QC value within limits for Arsenic,7440-38-2 Recovery = 97.59%

Barium,7440-39-3†	87870.0	0.4946 mg/L	0.00081	0.4946 mg/L	0.00081	0.16%

QC value within limits for Barium,7440-39-3 Recovery = 98.92%

Beryllium,7440-41-7†	2006754.7	0.4957 mg/L	0.00085	0.4957 mg/L	0.00085	0.17%

QC value within limits for Beryllium,7440-41-7 Recovery = 99.15%

Boron,7440-42-8†	156762.0	2.4136 mg/L	0.00286	2.4136 mg/L	0.00286	0.12%

QC value within limits for Boron,7440-42-8 Recovery = 96.54%

Cadmium,7440-43-9†	120274.9	0.4868 mg/L	0.00063	0.4868 mg/L	0.00063	0.13%

QC value within limits for Cadmium,7440-43-9 Recovery = 97.37%

Calcium,7440-70-2†	6926.2	4.971 mg/L	0.0391	4.971 mg/L	0.0391	0.79%

QC value within limits for Calcium,7440-70-2 Recovery = 99.42%

Chromium,7440-47-3†	82858.9	0.4984 mg/L	0.00049	0.4984 mg/L	0.00049	0.10%

QC value within limits for Chromium,7440-47-3 Recovery = 99.68%

Cobalt,7440-48-4†	26368.7	0.4871 mg/L	0.00444	0.4871 mg/L	0.00444	0.91%

QC value within limits for Cobalt,7440-48-4 Recovery = 97.42%

Copper,7440-50-8†	180623.7	0.4948 mg/L	0.00085	0.4948 mg/L	0.00085	0.17%

QC value within limits for Copper,7440-50-8 Recovery = 98.97%

Iron,7439-89-6†	4803.0	4.9103 mg/L	0.04664	4.9103 mg/L	0.04664	0.95%

QC value within limits for Iron,7439-89-6 Recovery = 98.21%

Lead,7439-92-1†	5549.8	0.4838 mg/L	0.00242	0.4838 mg/L	0.00242	0.50%

QC value within limits for Lead,7439-92-1 Recovery = 96.76%

Lithium,7439-93-2†	24809.5	0.5002 mg/L	0.00253	0.5002 mg/L	0.00253	0.51%

QC value within limits for Lithium,7439-93-2 Recovery = 100.05%

Magnesium,7439-95-4†	1040.7	5.0136 mg/L	0.03075	5.0136 mg/L	0.03075	0.61%

QC value within limits for Magnesium,7439-95-4 Recovery = 100.27%

Manganese,7439-96-5†	406095.7	0.4974 mg/L	0.00051	0.4974 mg/L	0.00051	0.10%

QC value within limits for Manganese,7439-96-5 Recovery = 99.48%

Molybdenum,7439-98-7†	14355.9	0.4876 mg/L	0.00396	0.4876 mg/L	0.00396	0.81%

QC value within limits for Molybdenum,7439-98-7 Recovery = 97.52%

Nickel,7440-02-0†	26014.7	0.4883 mg/L	0.00487	0.4883 mg/L	0.00487	1.00%

QC value within limits for Nickel,7440-02-0 Recovery = 97.66%

Potassium,7440-09-7†	21080.0	10.157 mg/L	0.0332	10.157 mg/L	0.0332	0.33%

QC value within limits for Potassium,7440-09-7 Recovery = 101.57%

Selenium,7782-49-2†	879.4	0.4872 mg/L	0.00152	0.4872 mg/L	0.00152	0.31%

QC value within limits for Selenium,7782-49-2 Recovery = 97.43%

Silicon,7440-21-3†	272.6	0.5119 mg/L	0.00606	0.5119 mg/L	0.00606	1.18%

QC value within limits for Silicon,7440-21-3 Recovery = 102.38%

Silver,7440-22-4†	149487.7	0.5009 mg/L	0.00060	0.5009 mg/L	0.00060	0.12%

QC value within limits for Silver,7440-22-4 Recovery = 100.18%

Sodium,7440-23-5†	72421.6	20.171 mg/L	0.1517	20.171 mg/L	0.1517	0.75%

QC value within limits for Sodium,7440-23-5 Recovery = 100.86%

Strontium,7440-24-6†	162653.8	0.5081 mg/L	0.00547	0.5081 mg/L	0.00547	1.08%

QC value within limits for Strontium,7440-24-6 Recovery = 101.62%

Thallium,7440-28-0†	3007.2	0.4869 mg/L	0.00498	0.4869 mg/L	0.00498	1.02%

QC value within limits for Thallium,7440-28-0 Recovery = 97.37%

Tin,7440-31-5†	4712.9	0.4786 mg/L	0.00346	0.4786 mg/L	0.00346	0.72%

QC value within limits for Tin,7440-31-5 Recovery = 95.72%

Titanium,7440-32-6†	270187.6	0.5023 mg/L	0.00076	0.5023 mg/L	0.00076	0.15%

QC value within limits for Titanium,7440-32-6 Recovery = 100.45%

Vanadium,7440-62-2†	53764.4	0.4938 mg/L	0.00124	0.4938 mg/L	0.00124	0.25%

QC value within limits for Vanadium,7440-62-2 Recovery = 98.75%

Zinc,7440-66-6†	95271.8	0.4953 mg/L	0.00036	0.4953 mg/L	0.00036	0.07%

QC value within limits for Zinc,7440-66-6 Recovery = 99.07%

Zirconium,7440-67-7†	208788.1	0.4977 mg/L	0.00071	0.4977 mg/L	0.00071	0.14%

QC value within limits for Zirconium,7440-67-7 Recovery = 99.55%

All analyte(s) passed QC.

Sequence No.: 47 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/8/2006 6:36:24 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:42 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ar 363.268 A	81014.5	95.647	%	0.2646				0.28%
Ar 420.067 R	899833.9	96.808	%	0.1081				0.11%
Scandium-IS	2729665.5	97.817	%	0.4884				0.50%
Yttrium,7440-65-5A	1483878.1	98.304	%	0.4517				0.46%
Yttrium,7440-65-5R	71887.8	99.492	%	1.1952				1.20%
Aluminum,7429-90-5†	-5.6	-0.011	mg/L	0.0030	-0.011	mg/L	0.0030	27.90%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	12.0	0.0039	mg/L	0.00221	0.0039	mg/L	0.00221	56.70%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	6.9	0.0022	mg/L	0.00053	0.0022	mg/L	0.00053	23.85%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-8.0	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	60.70%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	176.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	20.53%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1886.7	0.0290	mg/L	0.00167	0.0290	mg/L	0.00167	5.76%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	19.9	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	66.89%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	3.6	0.003	mg/L	0.0019	0.003	mg/L	0.0019	71.33%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-13.4	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	145.42%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	13.0	0.0002	mg/L	0.00031	0.0002	mg/L	0.00031	129.68%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	16.2	0.0000	mg/L	0.00032	0.0000	mg/L	0.00032	715.97%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	1.4	0.0014	mg/L	0.00149	0.0014	mg/L	0.00149	106.81%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	4.4	0.0004	mg/L	0.00090	0.0004	mg/L	0.00090	231.66%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-281.5	-0.0057	mg/L	0.00149	-0.0057	mg/L	0.00149	26.33%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	3.0	0.0142	mg/L	0.02459	0.0142	mg/L	0.02459	172.80%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	49.8	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	41.36%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	5.3	0.0002	mg/L	0.00061	0.0002	mg/L	0.00061	334.35%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-5.8	-0.0001	mg/L	0.00036	-0.0001	mg/L	0.00036	331.74%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	149.3	0.0720	mg/L	0.01363	0.0720	mg/L	0.01363	18.92%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	10.0	0.0055	mg/L	0.00627	0.0055	mg/L	0.00627	114.23%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	2.4	0.0044	mg/L	0.00431	0.0044	mg/L	0.00431	97.00%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-83.1	-0.0003	mg/L	0.00035	-0.0003	mg/L	0.00035	124.73%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	963.5	0.2684	mg/L	0.06676	0.2684	mg/L	0.06676	24.88%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	107.0	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	31.76%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-1.3	-0.0002	mg/L	0.00088	-0.0002	mg/L	0.00088	421.09%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-19.7	-0.0020	mg/L	0.00041	-0.0020	mg/L	0.00041	20.72%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	93.1	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	146.44%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	55.0	0.0005	mg/L	0.00028	0.0005	mg/L	0.00028	55.97%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-16.9	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	66.52%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	175.4	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	32.28%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 48 **Autosampler Location: 47**

001488

167949

Sample ID: 398511
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Date Collected: 8/8/2006 6:43:09 PM
Data Type: Reprocessed on 8/9/2006 8:15:44 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398511

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79061.0	93.341	%	0.4111				0.44%
Ar 420.067 R	888178.7	95.554	%	0.2668				0.28%
Scandium-IS	2588571.9	92.761	%	0.4631				0.50%
Yttrium,7440-65-5A	1360495.0	90.130	%	0.4029				0.45%
Yttrium,7440-65-5R	69983.7	96.857	%	0.1932				0.20%
Aluminum,7429-90-5†	2938.6	5.687	mg/L	0.0326	5.687	mg/L	0.0326	0.57%
Antimony,7440-36-0†	1667.1	0.5412	mg/L	0.00773	0.5412	mg/L	0.00773	1.43%
Arsenic,7440-38-2†	1655.1	0.5408	mg/L	0.00431	0.5408	mg/L	0.00431	0.80%
Barium,7440-39-3†	136473.9	0.7683	mg/L	0.00235	0.7683	mg/L	0.00235	0.31%
Beryllium,7440-41-7†	2117500.9	0.5231	mg/L	0.00044	0.5231	mg/L	0.00044	0.08%
Boron,7440-42-8†	185644.2	2.8580	mg/L	0.00463	2.8580	mg/L	0.00463	0.16%
Cadmium,7440-43-9†	128014.3	0.5181	mg/L	0.00265	0.5181	mg/L	0.00265	0.51%
Calcium,7440-70-2†	48030.3	34.48	mg/L	0.270	34.48	mg/L	0.270	0.78%
Chromium,7440-47-3†	86189.6	0.5183	mg/L	0.00084	0.5183	mg/L	0.00084	0.16%
Cobalt,7440-48-4†	28809.7	0.5322	mg/L	0.00495	0.5322	mg/L	0.00495	0.93%
Copper,7440-50-8†	210246.7	0.5742	mg/L	0.00024	0.5742	mg/L	0.00024	0.04%
Iron,7439-89-6†	5724.2	5.8527	mg/L	0.04732	5.8527	mg/L	0.04732	0.81%
Lead,7439-92-1†	6092.4	0.5313	mg/L	0.00602	0.5313	mg/L	0.00602	1.13%
Lithium,7439-93-2†	29881.2	0.6025	mg/L	0.00210	0.6025	mg/L	0.00210	0.35%
Magnesium,7439-95-4†	2169.2	10.447	mg/L	0.0748	10.447	mg/L	0.0748	0.72%
Manganese,7439-96-5†	514909.3	0.6308	mg/L	0.00142	0.6308	mg/L	0.00142	0.23%
Molybdenum,7439-98-7†	15969.2	0.5423	mg/L	0.00480	0.5423	mg/L	0.00480	0.89%
Nickel,7440-02-0†	28006.1	0.5257	mg/L	0.00524	0.5257	mg/L	0.00524	1.00%
Potassium,7440-09-7†	34219.7	16.487	mg/L	0.1040	16.487	mg/L	0.1040	0.63%
Selenium,7782-49-2†	1077.1	0.5970	mg/L	0.00474	0.5970	mg/L	0.00474	0.79%
Silicon,7440-21-3†	3497.7	6.4740	mg/L	0.03622	6.4740	mg/L	0.03622	0.56%
Silver,7440-22-4†	162406.4	0.5443	mg/L	0.00020	0.5443	mg/L	0.00020	0.04%
Sodium,7440-23-5†	3542421.5	986.63	mg/L	13.003	986.63	mg/L	13.003	1.32%
Strontium,7440-24-6†	315695.6	0.9857	mg/L	0.00457	0.9857	mg/L	0.00457	0.46%
Thallium,7440-28-0†	3234.0	0.5238	mg/L	0.00585	0.5238	mg/L	0.00585	1.12%
Tin,7440-31-5†	5096.1	0.5184	mg/L	0.00493	0.5184	mg/L	0.00493	0.95%
Titanium,7440-32-6†	286464.6	0.5325	mg/L	0.00077	0.5325	mg/L	0.00077	0.15%
Vanadium,7440-62-2†	60511.8	0.5558	mg/L	0.00194	0.5558	mg/L	0.00194	0.35%
Zinc,7440-66-6†	119882.1	0.6234	mg/L	0.00166	0.6234	mg/L	0.00166	0.27%
Zirconium,7440-67-7†	-1404.7	-0.0032	mg/L	0.00059	-0.0032	mg/L	0.00059	18.27%

Sequence No.: 49
Sample ID: 398969
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 48
Date Collected: 8/8/2006 6:49:57 PM
Data Type: Reprocessed on 8/9/2006 8:15:46 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398969

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	78917.2	93.171	%	0.2235				0.24%
Ar 420.067 R	885591.1	95.276	%	0.2708				0.28%
Scandium-IS	2589889.5	92.808	%	0.6392				0.69%
Yttrium,7440-65-5A	1361835.1	90.219	%	0.5804				0.64%
Yttrium,7440-65-5R	69299.5	95.910	%	1.0137				1.06%
Aluminum,7429-90-5†	2695.2	5.216	mg/L	0.0807	5.216	mg/L	0.0807	1.55%
Antimony,7440-36-0†	1546.2	0.5019	mg/L	0.00412	0.5019	mg/L	0.00412	0.82%
Arsenic,7440-38-2†	1526.9	0.4989	mg/L	0.00451	0.4989	mg/L	0.00451	0.90%
Barium,7440-39-3†	125748.3	0.7079	mg/L	0.00063	0.7079	mg/L	0.00063	0.09%
Beryllium,7440-41-7†	1938670.9	0.4789	mg/L	0.00045	0.4789	mg/L	0.00045	0.09%
Boron,7440-42-8†	170516.9	2.6252	mg/L	0.00493	2.6252	mg/L	0.00493	0.19%
Cadmium,7440-43-9†	116708.2	0.4724	mg/L	0.00195	0.4724	mg/L	0.00195	0.41%
Calcium,7440-70-2†	44764.3	32.14	mg/L	0.587	32.14	mg/L	0.587	1.83%

001489

Chromium,7440-47-3†	78979.9	0.4750 mg/L	0.00009	0.4750 mg/L	0.00009	0.02%
Cobalt,7440-48-4†	26723.6	0.4937 mg/L	0.00286	0.4937 mg/L	0.00286	0.58%
Copper,7440-50-8†	192391.0	0.5254 mg/L	0.00068	0.5254 mg/L	0.00068	0.13%
Iron,7439-89-6†	5266.2	5.3844 mg/L	0.10417	5.3844 mg/L	0.10417	1.93%
Lead,7439-92-1†	5642.4	0.4920 mg/L	0.00229	0.4920 mg/L	0.00229	0.46%
Lithium,7439-93-2†	26918.3	0.5428 mg/L	0.00662	0.5428 mg/L	0.00662	1.22%
Magnesium,7439-95-4†	1999.4	9.6292 mg/L	0.14519	9.6292 mg/L	0.14519	1.51%
Manganese,7439-96-5†	474201.7	0.5810 mg/L	0.00083	0.5810 mg/L	0.00083	0.14%
Molybdenum,7439-98-7†	14738.5	0.5005 mg/L	0.00274	0.5005 mg/L	0.00274	0.55%
Nickel,7440-02-0†	26010.6	0.4882 mg/L	0.00303	0.4882 mg/L	0.00303	0.62%
Potassium,7440-09-7†	31207.3	15.036 mg/L	0.1197	15.036 mg/L	0.1197	0.80%
Selenium,7782-49-2†	1009.7	0.5596 mg/L	0.00838	0.5596 mg/L	0.00838	1.50%
Silicon,7440-21-3†	3910.1	7.2358 mg/L	0.10355	7.2358 mg/L	0.10355	1.43%
Silver,7440-22-4†	148530.7	0.4978 mg/L	0.00061	0.4978 mg/L	0.00061	0.12%
Sodium,7440-23-5†	3339788.4	930.19 mg/L	9.087	930.19 mg/L	9.087	0.98%
Strontium,7440-24-6†	289248.1	0.9031 mg/L	0.00600	0.9031 mg/L	0.00600	0.66%
Thallium,7440-28-0†	3002.7	0.4863 mg/L	0.00345	0.4863 mg/L	0.00345	0.71%
Tin,7440-31-5†	4699.3	0.4780 mg/L	0.00237	0.4780 mg/L	0.00237	0.50%
Titanium,7440-32-6†	262535.4	0.4880 mg/L	0.00153	0.4880 mg/L	0.00153	0.31%
Vanadium,7440-62-2†	55533.6	0.5101 mg/L	0.00030	0.5101 mg/L	0.00030	0.06%
Zinc,7440-66-6†	110156.3	0.5727 mg/L	0.00096	0.5727 mg/L	0.00096	0.17%
Zirconium,7440-67-7†	-2151.7	-0.0050 mg/L	0.00024	-0.0050 mg/L	0.00024	4.86%

Sequence No.: 50
Sample ID: 398970
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 49
Date Collected: 8/8/2006 6:56:45 PM
Data Type: Reprocessed on 8/9/2006 8:15:48 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398970

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	80032.2	94.488	%	0.4625				0.49%
Ar 420.067 R	895873.7	96.382	%	0.2095				0.22%
Scandium-IS	2708990.0	97.076	%	1.4957				1.54%
Yttrium,7440-65-5A	1433633.9	94.975	%	1.4147				1.49%
Yttrium,7440-65-5R	70752.4	97.921	%	0.5247				0.54%
Aluminum,7429-90-5†	25.5	0.049	mg/L	0.0072	0.246	mg/L	0.0360	14.61%
Antimony,7440-36-0†	3.2	0.0010	mg/L	0.00154	0.0052	mg/L	0.00770	148.26%
Arsenic,7440-38-2†	-6.5	-0.0021	mg/L	0.00198	-0.0105	mg/L	0.00990	94.23%
Barium,7440-39-3†	8000.6	0.0451	mg/L	0.00076	0.2253	mg/L	0.00381	1.69%
Beryllium,7440-41-7†	350.9	0.0001	mg/L	0.00002	0.0004	mg/L	0.00009	21.70%
Boron,7440-42-8†	4214.1	0.0648	mg/L	0.00364	0.3240	mg/L	0.01821	5.62%
Cadmium,7440-43-9†	-99.6	-0.0004	mg/L	0.00004	-0.0020	mg/L	0.00022	10.58%
Calcium,7440-70-2†	7524.2	5.403	mg/L	0.1095	27.01	mg/L	0.548	2.03%
Chromium,7440-47-3†	102.5	0.0006	mg/L	0.00006	0.0030	mg/L	0.00030	9.89%
Cobalt,7440-48-4†	83.6	0.0015	mg/L	0.00007	0.0077	mg/L	0.00033	4.23%
Copper,7440-50-8†	543.6	0.0012	mg/L	0.00035	0.0058	mg/L	0.00175	30.30%
Iron,7439-89-6†	99.1	0.1014	mg/L	0.00168	0.5072	mg/L	0.00840	1.66%
Lead,7439-92-1†	26.7	0.0024	mg/L	0.00128	0.0119	mg/L	0.00642	54.15%
Lithium,7439-93-2†	-63.5	-0.0013	mg/L	0.00054	-0.0064	mg/L	0.00270	42.43%
Magnesium,7439-95-4†	201.8	0.9716	mg/L	0.02217	4.8580	mg/L	0.11085	2.28%
Manganese,7439-96-5†	16575.1	0.0203	mg/L	0.00045	0.1016	mg/L	0.00223	2.19%
Molybdenum,7439-98-7†	79.6	0.0027	mg/L	0.00004	0.0134	mg/L	0.00020	1.49%
Nickel,7440-02-0†	86.9	0.0016	mg/L	0.00030	0.0081	mg/L	0.00148	18.22%
Potassium,7440-09-7†	1630.7	0.7853	mg/L	0.03049	3.9265	mg/L	0.15243	3.88%
Selenium,7782-49-2†	25.3	0.0141	mg/L	0.00495	0.0704	mg/L	0.02477	35.20%
Silicon,7440-21-3†	606.8	1.1217	mg/L	0.02625	5.6087	mg/L	0.13124	2.34%
Silver,7440-22-4†	-43.8	-0.0001	mg/L	0.00027	-0.0006	mg/L	0.00136	210.93%
Sodium,7440-23-5†	698671.5	194.59	mg/L	3.089	972.97	mg/L	15.446	1.59%
Strontium,7440-24-6†	25511.1	0.0796	mg/L	0.00178	0.3980	mg/L	0.00892	2.24%
Thallium,7440-28-0†	7.7	0.0013	mg/L	0.00109	0.0065	mg/L	0.00545	84.03%
Tin,7440-31-5†	-32.8	-0.0032	mg/L	0.00041	-0.0159	mg/L	0.00203	12.77%
Titanium,7440-32-6†	727.2	0.0014	mg/L	0.00022	0.0068	mg/L	0.00109	16.07%
Vanadium,7440-62-2†	452.9	0.0042	mg/L	0.00076	0.0209	mg/L	0.00378	18.05%
Zinc,7440-66-6†	3161.5	0.0164	mg/L	0.00033	0.0822	mg/L	0.00166	2.02%
Zirconium,7440-67-7†	-716.7	-0.0017	mg/L	0.00006	-0.0083	mg/L	0.00030	3.55%

001490

167951

Sequence No.: 51
Sample ID: 20608060501
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 50
Date Collected: 8/8/2006 7:03:35 PM
Data Type: Reprocessed on 8/9/2006 8:15:50 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608060501

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	78758.7	92.984	%	0.0508				0.05%
Ar 420.067 R	893225.6	96.097	%	0.2623				0.27%
Scandium-IS	2624351.4	94.043	%	0.6753				0.72%
Yttrium,7440-65-5A	1381974.4	91.553	%	0.6156				0.67%
Yttrium,7440-65-5R	70625.9	97.746	%	0.5613				0.57%
Aluminum,7429-90-5†	204.5	0.395	mg/L	0.0233	0.395	mg/L	0.0233	5.91%
Antimony,7440-36-0†	4.3	0.0014	mg/L	0.00120	0.0014	mg/L	0.00120	83.94%
Arsenic,7440-38-2†	-43.0	-0.0138	mg/L	0.00123	-0.0138	mg/L	0.00123	8.88%
Barium,7440-39-3†	50591.8	0.2850	mg/L	0.00011	0.2850	mg/L	0.00011	0.04%
Beryllium,7440-41-7†	194.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	26.26%
Boron,7440-42-8†	10862.7	0.1674	mg/L	0.00091	0.1674	mg/L	0.00091	0.54%
Cadmium,7440-43-9†	-692.1	-0.0029	mg/L	0.00005	-0.0029	mg/L	0.00005	1.77%
Calcium,7440-70-2†	45938.9	32.99	mg/L	0.277	32.99	mg/L	0.277	0.84%
Chromium,7440-47-3†	701.5	0.0041	mg/L	0.00012	0.0041	mg/L	0.00012	2.83%
Cobalt,7440-48-4†	556.8	0.0103	mg/L	0.00019	0.0103	mg/L	0.00019	1.85%
Copper,7440-50-8†	7693.3	0.0191	mg/L	0.00022	0.0191	mg/L	0.00022	1.17%
Iron,7439-89-6†	1041.6	1.0655	mg/L	0.01746	1.0655	mg/L	0.01746	1.64%
Lead,7439-92-1†	141.7	0.0126	mg/L	0.00128	0.0126	mg/L	0.00128	10.16%
Lithium,7439-93-2†	674.6	0.0136	mg/L	0.00070	0.0136	mg/L	0.00070	5.12%
Magnesium,7439-95-4†	1247.4	6.0059	mg/L	0.04880	6.0059	mg/L	0.04880	0.81%
Manganese,7439-96-5†	88613.1	0.1087	mg/L	0.00004	0.1087	mg/L	0.00004	0.04%
Molybdenum,7439-98-7†	443.4	0.0150	mg/L	0.00019	0.0150	mg/L	0.00019	1.25%
Nickel,7440-02-0†	494.6	0.0093	mg/L	0.00017	0.0093	mg/L	0.00017	1.89%
Potassium,7440-09-7†	10886.6	5.2431	mg/L	0.05107	5.2431	mg/L	0.05107	0.97%
Selenium,7782-49-2†	117.8	0.0659	mg/L	0.00508	0.0659	mg/L	0.00508	7.70%
Silicon,7440-21-3†	3763.5	6.9576	mg/L	0.05551	6.9576	mg/L	0.05551	0.80%
Silver,7440-22-4†	-112.8	-0.0002	mg/L	0.00016	-0.0002	mg/L	0.00016	91.15%
Sodium,7440-23-5†	2755116.2	767.35	mg/L	5.616	767.35	mg/L	5.616	0.73%
Strontium,7440-24-6†	135039.4	0.4213	mg/L	0.00202	0.4213	mg/L	0.00202	0.48%
Thallium,7440-28-0†	12.7	0.0023	mg/L	0.00194	0.0023	mg/L	0.00194	83.34%
Tin,7440-31-5†	-119.5	-0.0112	mg/L	0.00036	-0.0112	mg/L	0.00036	3.18%
Titanium,7440-32-6†	4660.3	0.0087	mg/L	0.00045	0.0087	mg/L	0.00045	5.16%
Vanadium,7440-62-2†	2382.5	0.0220	mg/L	0.00066	0.0220	mg/L	0.00066	2.99%
Zinc,7440-66-6†	21610.3	0.1125	mg/L	0.00056	0.1125	mg/L	0.00056	0.50%
Zirconium,7440-67-7†	-2439.3	-0.0056	mg/L	0.00027	-0.0056	mg/L	0.00027	4.83%

Sequence No.: 52
Sample ID: 20607254201
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 51
Date Collected: 8/8/2006 7:10:17 PM
Data Type: Reprocessed on 8/9/2006 8:15:51 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20607254201

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	75924.3	89.638	%	0.1608				0.18%
Ar 420.067 R	886412.4	95.364	%	0.2392				0.25%
Scandium-IS	2694882.4	96.571	%	1.1363				1.18%
Yttrium,7440-65-5A	1428180.0	94.614	%	1.0405				1.10%
Yttrium,7440-65-5R	70601.5	97.712	%	1.3511				1.38%
Aluminum,7429-90-5†	64.7	0.123	mg/L	0.0172	0.123	mg/L	0.0172	14.00%
Antimony,7440-36-0†	10.5	0.0037	mg/L	0.00328	0.0037	mg/L	0.00328	87.77%
Arsenic,7440-38-2†	-39.7	-0.0140	mg/L	0.00138	-0.0140	mg/L	0.00138	9.85%
Barium,7440-39-3†	35803.5	0.2014	mg/L	0.00021	0.2014	mg/L	0.00021	0.10%
Beryllium,7440-41-7†	-283.1	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	16.26%
Boron,7440-42-8†	13595.5	0.2070	mg/L	0.00200	0.2070	mg/L	0.00200	0.96%

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Cadmium,7440-43-9†	-757.3	-0.0031	mg/L	0.00007	-0.0031	mg/L	0.00007 2.25%
Calcium,7440-70-2†	190563.9	136.8	mg/L	0.80	136.8	mg/L	0.80 0.58%
Chromium,7440-47-3†	1619.1	0.0092	mg/L	0.00025	0.0092	mg/L	0.00025 2.72%
Cobalt,7440-48-4†	1.8	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017 >999.9%
Copper,7440-50-8†	84901.1	0.2242	mg/L	0.00010	0.2242	mg/L	0.00010 0.05%
Iron,7439-89-6†	124.1	0.1317	mg/L	0.00166	0.1317	mg/L	0.00166 1.26%
Lead,7439-92-1†	19.1	0.0023	mg/L	0.00051	0.0023	mg/L	0.00051 22.22%
Lithium,7439-93-2†	1138.0	0.0231	mg/L	0.00103	0.0231	mg/L	0.00103 4.45%
Magnesium,7439-95-4†	10342.7	49.791	mg/L	0.2518	49.791	mg/L	0.2518 0.51%
Manganese,7439-96-5†	25195.5	0.0317	mg/L	0.00053	0.0317	mg/L	0.00053 1.66%
Molybdenum,7439-98-7†	297.1	0.0097	mg/L	0.00044	0.0097	mg/L	0.00044 4.57%
Nickel,7440-02-0†	1809.8	0.0340	mg/L	0.00059	0.0340	mg/L	0.00059 1.73%
Potassium,7440-09-7†	24031.9	11.556	mg/L	0.0580	11.556	mg/L	0.0580 0.50%
Selenium,7782-49-2†	2.9	0.0038	mg/L	0.00120	0.0038	mg/L	0.00120 31.67%
Silicon,7440-21-3†	4046.5	7.4675	mg/L	0.07479	7.4675	mg/L	0.07479 1.00%
Silver,7440-22-4†	494.4	0.0015	mg/L	0.00026	0.0015	mg/L	0.00026 17.30%
Sodium,7440-23-5†	294127.5	81.919	mg/L	1.1848	81.919	mg/L	1.1848 1.45%
Strontium,7440-24-6†	247547.9	0.7707	mg/L	0.01238	0.7707	mg/L	0.01238 1.61%
Thallium,7440-28-0†	8.3	0.0007	mg/L	0.00111	0.0007	mg/L	0.00111 154.73%
Tin,7440-31-5†	-199.3	-0.0160	mg/L	0.00088	-0.0160	mg/L	0.00088 5.50%
Titanium,7440-32-6†	1436.6	0.0027	mg/L	0.00027	0.0027	mg/L	0.00027 10.24%
Vanadium,7440-62-2†	74.2	0.0020	mg/L	0.00045	0.0020	mg/L	0.00045 22.13%
Zinc,7440-66-6†	1648.1	0.0041	mg/L	0.00020	0.0041	mg/L	0.00020 4.92%
Zirconium,7440-67-7†	-4890.0	-0.0105	mg/L	0.00017	-0.0105	mg/L	0.00017 1.57%

Sequence No.: 53
Sample ID: 398374
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 52
Date Collected: 8/8/2006 7:16:55 PM
Data Type: Reprocessed on 8/9/2006 8:15:53 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398374

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	81705.5	96.463	%	0.0580				0.06%
Ar 420.067 R	909247.2	97.821	%	0.2519				0.26%
Scandium-IS	2819481.3	101.04	%	0.807				0.80%
Yttrium,7440-65-5A	1527120.8	101.17	%	0.777				0.77%
Yttrium,7440-65-5R	73829.2	102.18	%	0.932				0.91%
Aluminum,7429-90-5†	-2.7	-0.005	mg/L	0.0088	-0.005	mg/L	0.0088	165.70%
Antimony,7440-36-0†	-1.0	-0.0003	mg/L	0.00193	-0.0003	mg/L	0.00193	596.81%
Arsenic,7440-38-2†	2.0	0.0006	mg/L	0.00247	0.0006	mg/L	0.00247	389.26%
Barium,7440-39-3†	-8.9	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	75.44%
Beryllium,7440-41-7†	50.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	64.46%
Boron,7440-42-8†	627.6	0.0097	mg/L	0.00083	0.0097	mg/L	0.00083	8.59%
Cadmium,7440-43-9†	79.4	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	16.23%
Calcium,7440-70-2†	57.6	0.041	mg/L	0.0026	0.041	mg/L	0.0026	6.24%
Chromium,7440-47-3†	-60.3	-0.0004	mg/L	0.00019	-0.0004	mg/L	0.00019	52.39%
Cobalt,7440-48-4†	16.1	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	41.26%
Copper,7440-50-8†	-89.9	-0.0002	mg/L	0.00016	-0.0002	mg/L	0.00016	63.42%
Iron,7439-89-6†	2.0	0.0021	mg/L	0.00246	0.0021	mg/L	0.00246	118.03%
Lead,7439-92-1†	19.3	0.0017	mg/L	0.00162	0.0017	mg/L	0.00162	96.13%
Lithium,7439-93-2†	-360.2	-0.0073	mg/L	0.00132	-0.0073	mg/L	0.00132	18.15%
Magnesium,7439-95-4†	1.5	0.0070	mg/L	0.00434	0.0070	mg/L	0.00434	61.69%
Manganese,7439-96-5†	-71.5	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	45.23%
Molybdenum,7439-98-7†	-5.7	-0.0002	mg/L	0.00020	-0.0002	mg/L	0.00020	103.68%
Nickel,7440-02-0†	15.4	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	39.57%
Potassium,7440-09-7†	151.6	0.0731	mg/L	0.02510	0.0731	mg/L	0.02510	34.33%
Selenium,7782-49-2†	11.4	0.0063	mg/L	0.00275	0.0063	mg/L	0.00275	43.72%
Silicon,7440-21-3†	4.7	0.0086	mg/L	0.00225	0.0086	mg/L	0.00225	26.15%
Silver,7440-22-4†	70.3	0.0002	mg/L	0.00032	0.0002	mg/L	0.00032	138.30%
Sodium,7440-23-5†	3220.3	0.8969	mg/L	0.12274	0.8969	mg/L	0.12274	13.68%
Strontium,7440-24-6†	56.0	0.0002	mg/L	0.00027	0.0002	mg/L	0.00027	153.24%
Thallium,7440-28-0†	11.2	0.0018	mg/L	0.00102	0.0018	mg/L	0.00102	57.32%
Tin,7440-31-5†	-25.7	-0.0026	mg/L	0.00036	-0.0026	mg/L	0.00036	13.83%
Titanium,7440-32-6†	42.4	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	174.17%
Vanadium,7440-62-2†	-54.3	-0.0005	mg/L	0.00050	-0.0005	mg/L	0.00050	99.85%
Zinc,7440-66-6†	666.4	0.0035	mg/L	0.00004	0.0035	mg/L	0.00004	1.25%

Zirconium,7440-67-7†	-356.0	-0.0008	mg/L	0.00019	-0.0008	mg/L	0.00019 21.83%

Sequence No.: 54 **Autosampler Location: 53**
Sample ID: 398375 **Date Collected: 8/8/2006 7:23:43 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:55 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 398375

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	81151.1	95.809	%	0.3462				0.36%
Ar 420.067 R	906903.7	97.569	%	0.1940				0.20%
Scandium-IS	2762722.3	99.002	%	0.4977				0.50%
Yttrium,7440-65-5A	1473431.3	97.612	%	0.4434				0.45%
Yttrium,7440-65-5R	71994.4	99.639	%	0.1276				0.13%
Aluminum,7429-90-5†	2663.3	5.155	mg/L	0.0560	5.155	mg/L	0.0560	1.09%
Antimony,7440-36-0†	1584.6	0.5143	mg/L	0.00178	0.5143	mg/L	0.00178	0.35%
Arsenic,7440-38-2†	1529.2	0.4997	mg/L	0.00343	0.4997	mg/L	0.00343	0.69%
Barium,7440-39-3†	90329.4	0.5084	mg/L	0.00037	0.5084	mg/L	0.00037	0.07%
Beryllium,7440-41-7†	2043034.0	0.5047	mg/L	0.00010	0.5047	mg/L	0.00010	0.02%
Boron,7440-42-8†	162085.9	2.4955	mg/L	0.00588	2.4955	mg/L	0.00588	0.24%
Cadmium,7440-43-9†	123616.8	0.5004	mg/L	0.00105	0.5004	mg/L	0.00105	0.21%
Calcium,7440-70-2†	7045.0	5.056	mg/L	0.0597	5.056	mg/L	0.0597	1.18%
Chromium,7440-47-3†	84736.4	0.5097	mg/L	0.00029	0.5097	mg/L	0.00029	0.06%
Cobalt,7440-48-4†	27450.6	0.5071	mg/L	0.00200	0.5071	mg/L	0.00200	0.39%
Copper,7440-50-8†	185188.6	0.5073	mg/L	0.00073	0.5073	mg/L	0.00073	0.14%
Iron,7439-89-6†	4921.9	5.0319	mg/L	0.05459	5.0319	mg/L	0.05459	1.08%
Lead,7439-92-1†	5786.2	0.5044	mg/L	0.00238	0.5044	mg/L	0.00238	0.47%
Lithium,7439-93-2†	25101.2	0.5061	mg/L	0.00367	0.5061	mg/L	0.00367	0.72%
Magnesium,7439-95-4†	1055.5	5.0852	mg/L	0.03343	5.0852	mg/L	0.03343	0.66%
Manganese,7439-96-5†	416339.0	0.5099	mg/L	0.00016	0.5099	mg/L	0.00016	0.03%
Molybdenum,7439-98-7†	14890.7	0.5057	mg/L	0.00223	0.5057	mg/L	0.00223	0.44%
Nickel,7440-02-0†	27020.9	0.5072	mg/L	0.00144	0.5072	mg/L	0.00144	0.28%
Potassium,7440-09-7†	21682.9	10.448	mg/L	0.0536	10.448	mg/L	0.0536	0.51%
Selenium,7782-49-2†	942.2	0.5218	mg/L	0.00219	0.5218	mg/L	0.00219	0.42%
Silicon,7440-21-3†	259.5	0.4877	mg/L	0.00327	0.4877	mg/L	0.00327	0.67%
Silver,7440-22-4†	153163.0	0.5132	mg/L	0.00058	0.5132	mg/L	0.00058	0.11%
Sodium,7440-23-5†	74499.9	20.750	mg/L	0.3353	20.750	mg/L	0.3353	1.62%
Strontium,7440-24-6†	166899.0	0.5214	mg/L	0.00774	0.5214	mg/L	0.00774	1.48%
Thallium,7440-28-0†	3125.7	0.5060	mg/L	0.00089	0.5060	mg/L	0.00089	0.18%
Tin,7440-31-5†	4910.0	0.4986	mg/L	0.00185	0.4986	mg/L	0.00185	0.37%
Titanium,7440-32-6†	278327.7	0.5174	mg/L	0.00050	0.5174	mg/L	0.00050	0.10%
Vanadium,7440-62-2†	54754.5	0.5028	mg/L	0.00122	0.5028	mg/L	0.00122	0.24%
Zinc,7440-66-6†	96249.7	0.5003	mg/L	0.00021	0.5003	mg/L	0.00021	0.04%
Zirconium,7440-67-7†	-427.2	-0.0011	mg/L	0.00025	-0.0011	mg/L	0.00025	22.60%

Sequence No.: 55 **Autosampler Location: 54**
Sample ID: 20608045701 **Date Collected: 8/8/2006 7:30:29 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:57 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 20608045701

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	81281.6	95.963	%	0.4499				0.47%
Ar 420.067 R	906443.0	97.519	%	0.2413				0.25%
Scandium-IS	2777128.5	99.518	%	0.9523				0.96%
Yttrium,7440-65-5A	1487701.5	98.557	%	0.8815				0.89%
Yttrium,7440-65-5R	73609.3	101.87	%	0.596				0.58%
Aluminum,7429-90-5†	1184.9	2.290	mg/L	0.0116	2.290	mg/L	0.0116	0.50%
Antimony,7440-36-0†	3.1	0.0010	mg/L	0.00237	0.0010	mg/L	0.00237	232.28%
Arsenic,7440-38-2†	-3.5	-0.0007	mg/L	0.00280	-0.0007	mg/L	0.00280	418.28%
Barium,7440-39-3†	11370.3	0.0640	mg/L	0.00004	0.0640	mg/L	0.00004	0.06%

Beryllium,7440-41-7†	778.0	0.0002 mg/L	0.00002	0.0002 mg/L	0.00002	11.17%
Boron,7440-42-8†	2830.2	0.0439 mg/L	0.00300	0.0439 mg/L	0.00300	6.82%
Cadmium,7440-43-9†	-680.9	-0.0028 mg/L	0.00010	-0.0028 mg/L	0.00010	3.55%
Calcium,7440-70-2†	4529.3	3.252 mg/L	0.0237	3.252 mg/L	0.0237	0.73%
Chromium,7440-47-3†	666.5	0.0037 mg/L	0.00022	0.0037 mg/L	0.00022	6.06%
Cobalt,7440-48-4†	288.7	0.0052 mg/L	0.00011	0.0052 mg/L	0.00011	2.22%
Copper,7440-50-8†	487.2	0.0011 mg/L	0.00006	0.0011 mg/L	0.00006	5.52%
Iron,7439-89-6†	803.0	0.8209 mg/L	0.00640	0.8209 mg/L	0.00640	0.78%
Lead,7439-92-1†	26.9	0.0026 mg/L	0.00084	0.0026 mg/L	0.00084	32.93%
Lithium,7439-93-2†	-139.0	-0.0028 mg/L	0.00023	-0.0028 mg/L	0.00023	8.44%
Magnesium,7439-95-4†	391.4	1.8850 mg/L	0.02492	1.8850 mg/L	0.02492	1.32%
Manganese,7439-96-5†	76559.2	0.0938 mg/L	0.00017	0.0938 mg/L	0.00017	0.18%
Molybdenum,7439-98-7†	31.6	0.0011 mg/L	0.00015	0.0011 mg/L	0.00015	14.10%
Nickel,7440-02-0†	187.7	0.0035 mg/L	0.00055	0.0035 mg/L	0.00055	15.90%
Potassium,7440-09-7†	4000.3	1.9275 mg/L	0.01336	1.9275 mg/L	0.01336	0.69%
Selenium,7782-49-2†	3.1	0.0021 mg/L	0.00429	0.0021 mg/L	0.00429	204.01%
Silicon,7440-21-3†	3770.5	6.9711 mg/L	0.02901	6.9711 mg/L	0.02901	0.42%
Silver,7440-22-4†	-117.3	-0.0002 mg/L	0.00042	-0.0002 mg/L	0.00042	187.37%
Sodium,7440-23-5†	93726.4	26.104 mg/L	0.3074	26.104 mg/L	0.3074	1.18%
Strontium,7440-24-6†	11480.7	0.0358 mg/L	0.00023	0.0358 mg/L	0.00023	0.63%
Thallium,7440-28-0†	9.2	0.0021 mg/L	0.00200	0.0021 mg/L	0.00200	93.33%
Tin,7440-31-5†	-32.7	-0.0033 mg/L	0.00035	-0.0033 mg/L	0.00035	10.74%
Titanium,7440-32-6†	41463.6	0.0771 mg/L	0.00737	0.0771 mg/L	0.00737	9.56%
Vanadium,7440-62-2†	252.4	0.0023 mg/L	0.00033	0.0023 mg/L	0.00033	14.04%
Zinc,7440-66-6†	1769.3	0.0090 mg/L	0.00016	0.0090 mg/L	0.00016	1.73%
Zirconium,7440-67-7†	-291.9	-0.0007 mg/L	0.00006	-0.0007 mg/L	0.00006	9.16%

Sequence No.: 56 **Autosampler Location: 55**
Sample ID: 398377 **Date Collected: 8/8/2006 7:37:03 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:15:58 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 398377

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	80552.1	95.101	%	0.3159				0.33%
Ar 420.067 R	909914.0	97.892	%	0.1856				0.19%
Scandium-IS	2734972.3	98.008	%	0.8036				0.82%
Yttrium,7440-65-5A	1458153.5	96.600	%	0.8165				0.85%
Yttrium,7440-65-5R	72695.1	100.61	%	1.602				1.59%
Aluminum,7429-90-5†	4497.4	8.699	mg/L	0.0877	8.699	mg/L	0.0877	1.01%
Antimony,7440-36-0†	1509.8	0.4901	mg/L	0.00942	0.4901	mg/L	0.00942	1.92%
Arsenic,7440-38-2†	1458.2	0.4772	mg/L	0.00558	0.4772	mg/L	0.00558	1.17%
Barium,7440-39-3†	98335.8	0.5535	mg/L	0.00114	0.5535	mg/L	0.00114	0.21%
Beryllium,7440-41-7†	1973492.3	0.4875	mg/L	0.00071	0.4875	mg/L	0.00071	0.15%
Boron,7440-42-8†	158141.9	2.4353	mg/L	0.00563	2.4353	mg/L	0.00563	0.23%
Cadmium,7440-43-9†	117428.3	0.4753	mg/L	0.00152	0.4753	mg/L	0.00152	0.32%
Calcium,7440-70-2†	11354.6	8.150	mg/L	0.0765	8.150	mg/L	0.0765	0.94%
Chromium,7440-47-3†	81327.9	0.4886	mg/L	0.00054	0.4886	mg/L	0.00054	0.11%
Cobalt,7440-48-4†	26562.8	0.4905	mg/L	0.00531	0.4905	mg/L	0.00531	1.08%
Copper,7440-50-8†	179179.0	0.4907	mg/L	0.00068	0.4907	mg/L	0.00068	0.14%
Iron,7439-89-6†	5720.9	5.8487	mg/L	0.05697	5.8487	mg/L	0.05697	0.97%
Lead,7439-92-1†	5519.3	0.4815	mg/L	0.00677	0.4815	mg/L	0.00677	1.41%
Lithium,7439-93-2†	24759.5	0.4993	mg/L	0.00910	0.4993	mg/L	0.00910	1.82%
Magnesium,7439-95-4†	1428.6	6.8816	mg/L	0.04774	6.8816	mg/L	0.04774	0.69%
Manganese,7439-96-5†	478213.3	0.5858	mg/L	0.00086	0.5858	mg/L	0.00086	0.15%
Molybdenum,7439-98-7†	14212.4	0.4827	mg/L	0.00625	0.4827	mg/L	0.00625	1.29%
Nickel,7440-02-0†	25988.7	0.4878	mg/L	0.00521	0.4878	mg/L	0.00521	1.07%
Potassium,7440-09-7†	24877.1	11.987	mg/L	0.2191	11.987	mg/L	0.2191	1.83%
Selenium,7782-49-2†	897.1	0.4974	mg/L	0.00994	0.4974	mg/L	0.00994	2.00%
Silicon,7440-21-3†	4911.6	9.0887	mg/L	0.07464	9.0887	mg/L	0.07464	0.82%
Silver,7440-22-4†	146378.6	0.4907	mg/L	0.00061	0.4907	mg/L	0.00061	0.13%
Sodium,7440-23-5†	165039.2	45.966	mg/L	0.8591	45.966	mg/L	0.8591	1.87%
Strontium,7440-24-6†	175061.2	0.5468	mg/L	0.01058	0.5468	mg/L	0.01058	1.94%
Thallium,7440-28-0†	3006.1	0.4874	mg/L	0.00479	0.4874	mg/L	0.00479	0.98%
Tin,7440-31-5†	4693.4	0.4767	mg/L	0.00512	0.4767	mg/L	0.00512	1.07%
Titanium,7440-32-6†	313611.1	0.5830	mg/L	0.00375	0.5830	mg/L	0.00375	0.64%

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Vanadium,7440-62-2†	53230.9	0.4888	mg/L	0.00089	0.4888	mg/L	0.00089	0.18%
Zinc,7440-66-6†	93703.7	0.4868	mg/L	0.00034	0.4868	mg/L	0.00034	0.07%
Zirconium,7440-67-7†	129.2	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	17.40%

Sequence No.: 57 **Autosampler Location: 56**
Sample ID: 398770 **Date Collected: 8/8/2006 7:43:32 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:00 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 398770

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	80346.2	94.858	%	0.4397				0.46%
Ar 420.067 R	903980.0	97.254	%	0.2621				0.27%
Scandium-IS	2753122.7	98.658	%	0.6786				0.69%
Yttrium,7440-65-5A	1467632.2	97.228	%	0.6111				0.63%
Yttrium,7440-65-5R	71689.7	99.218	%	1.2095				1.22%
Aluminum,7429-90-5†	4728.0	9.145	mg/L	0.0559	9.145	mg/L	0.0559	0.61%
Antimony,7440-36-0†	1509.7	0.4900	mg/L	0.00188	0.4900	mg/L	0.00188	0.38%
Arsenic,7440-38-2†	1469.1	0.4808	mg/L	0.00745	0.4808	mg/L	0.00745	1.55%
Barium,7440-39-3†	99263.4	0.5587	mg/L	0.00154	0.5587	mg/L	0.00154	0.28%
Beryllium,7440-41-7†	1991484.4	0.4919	mg/L	0.00048	0.4919	mg/L	0.00048	0.10%
Boron,7440-42-8†	160612.6	2.4733	mg/L	0.00548	2.4733	mg/L	0.00548	0.22%
Cadmium,7440-43-9†	118676.5	0.4803	mg/L	0.00156	0.4803	mg/L	0.00156	0.32%
Calcium,7440-70-2†	11136.6	7.993	mg/L	0.0892	7.993	mg/L	0.0892	1.12%
Chromium,7440-47-3†	82180.6	0.4937	mg/L	0.00057	0.4937	mg/L	0.00057	0.12%
Cobalt,7440-48-4†	26647.3	0.4920	mg/L	0.00407	0.4920	mg/L	0.00407	0.83%
Copper,7440-50-8†	181157.7	0.4961	mg/L	0.00062	0.4961	mg/L	0.00062	0.12%
Iron,7439-89-6†	5712.9	5.8404	mg/L	0.06760	5.8404	mg/L	0.06760	1.16%
Lead,7439-92-1†	5532.1	0.4826	mg/L	0.00526	0.4826	mg/L	0.00526	1.09%
Lithium,7439-93-2†	24533.9	0.4947	mg/L	0.00372	0.4947	mg/L	0.00372	0.75%
Magnesium,7439-95-4†	1405.9	6.7727	mg/L	0.08382	6.7727	mg/L	0.08382	1.24%
Manganese,7439-96-5†	480363.2	0.5884	mg/L	0.00128	0.5884	mg/L	0.00128	0.22%
Molybdenum,7439-98-7†	14298.9	0.4857	mg/L	0.00469	0.4857	mg/L	0.00469	0.97%
Nickel,7440-02-0†	26036.6	0.4887	mg/L	0.00395	0.4887	mg/L	0.00395	0.81%
Potassium,7440-09-7†	24551.4	11.830	mg/L	0.1025	11.830	mg/L	0.1025	0.87%
Selenium,7782-49-2†	904.0	0.5012	mg/L	0.00283	0.5012	mg/L	0.00283	0.56%
Silicon,7440-21-3†	5109.2	9.4540	mg/L	0.07220	9.4540	mg/L	0.07220	0.76%
Silver,7440-22-4†	147703.7	0.4951	mg/L	0.00036	0.4951	mg/L	0.00036	0.07%
Sodium,7440-23-5†	160687.9	44.754	mg/L	0.4898	44.754	mg/L	0.4898	1.09%
Strontium,7440-24-6†	172592.0	0.5391	mg/L	0.00549	0.5391	mg/L	0.00549	1.02%
Thallium,7440-28-0†	3005.7	0.4875	mg/L	0.00595	0.4875	mg/L	0.00595	1.22%
Tin,7440-31-5†	4723.5	0.4797	mg/L	0.00469	0.4797	mg/L	0.00469	0.98%
Titanium,7440-32-6†	328918.2	0.6115	mg/L	0.00648	0.6115	mg/L	0.00648	1.06%
Vanadium,7440-62-2†	53738.9	0.4935	mg/L	0.00112	0.4935	mg/L	0.00112	0.23%
Zinc,7440-66-6†	94283.5	0.4899	mg/L	0.00060	0.4899	mg/L	0.00060	0.12%
Zirconium,7440-67-7†	250.3	0.0005	mg/L	0.00053	0.0005	mg/L	0.00053	106.88%

Sequence No.: 58 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/8/2006 7:50:04 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:02 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	79077.4	93.360	%	0.4376				0.47%
Ar 420.067 R	895514.4	96.343	%	0.0374				0.04%
Scandium-IS	2688481.7	96.342	%	0.8184				0.85%
Yttrium,7440-65-5A	1436330.8	95.154	%	0.8400				0.88%
Yttrium,7440-65-5R	71082.2	98.377	%	1.2186				1.24%
Aluminum,7429-90-5†	2632.5	5.095	mg/L	0.0558	5.095	mg/L	0.0558	1.10%

QC value within limits for Aluminum,7429-90-5 Recovery = 101.91%

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Antimony,7440-36-0†	1527.3	0.4957 mg/L	0.00392	0.4957 mg/L	0.00392	0.79%
QC value within limits for Antimony,7440-36-0 Recovery = 99.14%						
Arsenic,7440-38-2†	1484.1	0.4850 mg/L	0.00430	0.4850 mg/L	0.00430	0.89%
QC value within limits for Arsenic,7440-38-2 Recovery = 96.99%						
Barium,7440-39-3†	87348.0	0.4916 mg/L	0.00128	0.4916 mg/L	0.00128	0.26%
QC value within limits for Barium,7440-39-3 Recovery = 98.33%						
Beryllium,7440-41-7†	1995267.7	0.4929 mg/L	0.00171	0.4929 mg/L	0.00171	0.35%
QC value within limits for Beryllium,7440-41-7 Recovery = 98.58%						
Boron,7440-42-8†	158376.7	2.4385 mg/L	0.00773	2.4385 mg/L	0.00773	0.32%
QC value within limits for Boron,7440-42-8 Recovery = 97.54%						
Cadmium,7440-43-9†	118353.2	0.4790 mg/L	0.00237	0.4790 mg/L	0.00237	0.49%
QC value within limits for Cadmium,7440-43-9 Recovery = 95.81%						
Calcium,7440-70-2†	6947.8	4.987 mg/L	0.0526	4.987 mg/L	0.0526	1.05%
QC value within limits for Calcium,7440-70-2 Recovery = 99.73%						
Chromium,7440-47-3†	82322.8	0.4952 mg/L	0.00156	0.4952 mg/L	0.00156	0.32%
QC value within limits for Chromium,7440-47-3 Recovery = 99.03%						
Cobalt,7440-48-4†	26554.2	0.4905 mg/L	0.00392	0.4905 mg/L	0.00392	0.80%
QC value within limits for Cobalt,7440-48-4 Recovery = 98.11%						
Copper,7440-50-8†	180849.5	0.4955 mg/L	0.00067	0.4955 mg/L	0.00067	0.14%
QC value within limits for Copper,7440-50-8 Recovery = 99.09%						
Iron,7439-89-6†	4857.0	4.9656 mg/L	0.05088	4.9656 mg/L	0.05088	1.02%
QC value within limits for Iron,7439-89-6 Recovery = 99.31%						
Lead,7439-92-1†	5575.5	0.4860 mg/L	0.00412	0.4860 mg/L	0.00412	0.85%
QC value within limits for Lead,7439-92-1 Recovery = 97.21%						
Lithium,7439-93-2†	25217.4	0.5085 mg/L	0.00904	0.5085 mg/L	0.00904	1.78%
QC value within limits for Lithium,7439-93-2 Recovery = 101.69%						
Magnesium,7439-95-4†	1037.9	5.0004 mg/L	0.03884	5.0004 mg/L	0.03884	0.78%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.01%						
Manganese,7439-96-5†	403860.9	0.4947 mg/L	0.00132	0.4947 mg/L	0.00132	0.27%
QC value within limits for Manganese,7439-96-5 Recovery = 98.93%						
Molybdenum,7439-98-7†	14490.7	0.4922 mg/L	0.00421	0.4922 mg/L	0.00421	0.86%
QC value within limits for Molybdenum,7439-98-7 Recovery = 98.43%						
Nickel,7440-02-0†	26170.4	0.4912 mg/L	0.00378	0.4912 mg/L	0.00378	0.77%
QC value within limits for Nickel,7440-02-0 Recovery = 98.25%						
Potassium,7440-09-7†	21260.5	10.244 mg/L	0.0979	10.244 mg/L	0.0979	0.96%
QC value within limits for Potassium,7440-09-7 Recovery = 102.44%						
Selenium,7782-49-2†	900.8	0.4990 mg/L	0.00442	0.4990 mg/L	0.00442	0.89%
QC value within limits for Selenium,7782-49-2 Recovery = 99.80%						
Silicon,7440-21-3†	270.9	0.5089 mg/L	0.00192	0.5089 mg/L	0.00192	0.38%
QC value within limits for Silicon,7440-21-3 Recovery = 101.77%						
Silver,7440-22-4†	149316.7	0.5004 mg/L	0.00091	0.5004 mg/L	0.00091	0.18%
QC value within limits for Silver,7440-22-4 Recovery = 100.07%						
Sodium,7440-23-5†	71454.9	19.902 mg/L	0.2254	19.902 mg/L	0.2254	1.13%
QC value within limits for Sodium,7440-23-5 Recovery = 99.51%						
Strontium,7440-24-6†	164120.5	0.5127 mg/L	0.00586	0.5127 mg/L	0.00586	1.14%
QC value within limits for Strontium,7440-24-6 Recovery = 102.54%						
Thallium,7440-28-0†	3023.3	0.4894 mg/L	0.00234	0.4894 mg/L	0.00234	0.48%
QC value within limits for Thallium,7440-28-0 Recovery = 97.88%						
Tin,7440-31-5†	4738.5	0.4812 mg/L	0.00372	0.4812 mg/L	0.00372	0.77%
QC value within limits for Tin,7440-31-5 Recovery = 96.24%						
Titanium,7440-32-6†	270415.1	0.5027 mg/L	0.00094	0.5027 mg/L	0.00094	0.19%
QC value within limits for Titanium,7440-32-6 Recovery = 100.54%						
Vanadium,7440-62-2†	53038.0	0.4871 mg/L	0.00206	0.4871 mg/L	0.00206	0.42%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.42%						
Zinc,7440-66-6†	94599.8	0.4918 mg/L	0.00178	0.4918 mg/L	0.00178	0.36%
QC value within limits for Zinc,7440-66-6 Recovery = 98.36%						
Zirconium,7440-67-7†	206951.8	0.4934 mg/L	0.00104	0.4934 mg/L	0.00104	0.21%
QC value within limits for Zirconium,7440-67-7 Recovery = 98.67%						

All analyte(s) passed QC.

Sequence No.: 59 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/8/2006 7:56:45 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:04 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

	Mean Corrected	Calib	Sample

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Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	80195.9	94.681	%	0.0710				0.07%
Ar 420.067 R	897695.7	96.578	%	0.0880				0.09%
Scandium-IS	2724949.5	97.648	%	0.2550				0.26%
Yttrium,7440-65-5A	1481345.6	98.136	%	0.1834				0.19%
Yttrium,7440-65-5R	72009.0	99.660	%	1.1431				1.15%
Aluminum,7429-90-5†	-3.7	-0.007	mg/L	0.0114	-0.007	mg/L	0.0114	157.52%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	6.5	0.0021	mg/L	0.00088	0.0021	mg/L	0.00088	41.28%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	12.2	0.0040	mg/L	0.00576	0.0040	mg/L	0.00576	144.93%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	0.7	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	>999.9%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	310.4	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	10.19%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	2935.4	0.0451	mg/L	0.00287	0.0451	mg/L	0.00287	6.35%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-0.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	530.31%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	5.7	0.004	mg/L	0.0009	0.004	mg/L	0.0009	23.03%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	5.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	109.78%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	12.0	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	129.70%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-37.0	-0.0001	mg/L	0.00018	-0.0001	mg/L	0.00018	180.22%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	0.6	0.0006	mg/L	0.00226	0.0006	mg/L	0.00226	348.03%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	12.4	0.0011	mg/L	0.00077	0.0011	mg/L	0.00077	70.77%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-276.4	-0.0056	mg/L	0.00031	-0.0056	mg/L	0.00031	5.65%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	3.7	0.0179	mg/L	0.00906	0.0179	mg/L	0.00906	50.50%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	21.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	40.88%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	1.6	0.0001	mg/L	0.00040	0.0001	mg/L	0.00040	726.40%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	1.7	0.0000	mg/L	0.00025	0.0000	mg/L	0.00025	822.75%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	67.8	0.0327	mg/L	0.00894	0.0327	mg/L	0.00894	27.35%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	11.0	0.0061	mg/L	0.00321	0.0061	mg/L	0.00321	52.97%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	4.7	0.0086	mg/L	0.00214	0.0086	mg/L	0.00214	24.77%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	51.9	0.0002	mg/L	0.00023	0.0002	mg/L	0.00023	135.15%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-593.1	-0.1652	mg/L	0.04201	-0.1652	mg/L	0.04201	25.43%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	79.2	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	16.62%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-3.2	-0.0005	mg/L	0.00105	-0.0005	mg/L	0.00105	206.92%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-14.8	-0.0015	mg/L	0.00028	-0.0015	mg/L	0.00028	18.77%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	194.2	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	17.45%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-38.0	-0.0003	mg/L	0.00054	-0.0003	mg/L	0.00054	154.89%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	5.6	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	414.15%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	132.9	0.0003	mg/L	0.00028	0.0003	mg/L	0.00028	89.58%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 60 **Autosampler Location: 57**
Sample ID: 398974 **Date Collected: 8/8/2006 8:03:31 PM**

001497

167958

Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Data Type: Reprocessed on 8/9/2006 8:16:06 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398974

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	80115.6	94.586	%	0.5377				0.57%
Ar 420.067 R	902860.3	97.134	%	0.3786				0.39%
Scandium-IS	2746111.3	98.407	%	0.2084				0.21%
Yttrium,7440-65-5A	1466476.2	97.151	%	0.1731				0.18%
Yttrium,7440-65-5R	72202.7	99.928	%	0.8155				0.82%
Aluminum,7429-90-5†	3579.6	6.925	mg/L	0.0554	6.925	mg/L	0.0554	0.80%
Antimony,7440-36-0†	1460.1	0.4739	mg/L	0.00138	0.4739	mg/L	0.00138	0.29%
Arsenic,7440-38-2†	1406.6	0.4601	mg/L	0.00219	0.4601	mg/L	0.00219	0.48%
Barium,7440-39-3†	95161.2	0.5357	mg/L	0.00154	0.5357	mg/L	0.00154	0.29%
Beryllium,7440-41-7†	1902181.0	0.4699	mg/L	0.00071	0.4699	mg/L	0.00071	0.15%
Boron,7440-42-8†	153136.0	2.3581	mg/L	0.00504	2.3581	mg/L	0.00504	0.21%
Cadmium,7440-43-9†	113351.2	0.4588	mg/L	0.00200	0.4588	mg/L	0.00200	0.44%
Calcium,7440-70-2†	10818.3	7.765	mg/L	0.0414	7.765	mg/L	0.0414	0.53%
Chromium,7440-47-3†	78617.3	0.4726	mg/L	0.00104	0.4726	mg/L	0.00104	0.22%
Cobalt,7440-48-4†	25500.3	0.4709	mg/L	0.00115	0.4709	mg/L	0.00115	0.24%
Copper,7440-50-8†	173114.1	0.4740	mg/L	0.00026	0.4740	mg/L	0.00026	0.06%
Iron,7439-89-6†	5331.6	5.4507	mg/L	0.02150	5.4507	mg/L	0.02150	0.39%
Lead,7439-92-1†	5316.4	0.4636	mg/L	0.00156	0.4636	mg/L	0.00156	0.34%
Lithium,7439-93-2†	23648.6	0.4769	mg/L	0.00486	0.4769	mg/L	0.00486	1.02%
Magnesium,7439-95-4†	1353.1	6.5181	mg/L	0.03994	6.5181	mg/L	0.03994	0.61%
Manganese,7439-96-5†	463223.8	0.5674	mg/L	0.00151	0.5674	mg/L	0.00151	0.27%
Molybdenum,7439-98-7†	13712.6	0.4657	mg/L	0.00088	0.4657	mg/L	0.00088	0.19%
Nickel,7440-02-0†	24941.7	0.4681	mg/L	0.00069	0.4681	mg/L	0.00069	0.15%
Potassium,7440-09-7†	23795.6	11.466	mg/L	0.0805	11.466	mg/L	0.0805	0.70%
Selenium,7782-49-2†	859.4	0.4764	mg/L	0.00573	0.4764	mg/L	0.00573	1.20%
Silicon,7440-21-3†	3980.8	7.3674	mg/L	0.04211	7.3674	mg/L	0.04211	0.57%
Silver,7440-22-4†	141186.7	0.4733	mg/L	0.00021	0.4733	mg/L	0.00021	0.04%
Sodium,7440-23-5†	159344.1	44.380	mg/L	0.2374	44.380	mg/L	0.2374	0.53%
Strontium,7440-24-6†	166697.4	0.5207	mg/L	0.00308	0.5207	mg/L	0.00308	0.59%
Thallium,7440-28-0†	2897.7	0.4697	mg/L	0.00295	0.4697	mg/L	0.00295	0.63%
Tin,7440-31-5†	4545.5	0.4617	mg/L	0.00267	0.4617	mg/L	0.00267	0.58%
Titanium,7440-32-6†	297798.9	0.5536	mg/L	0.00227	0.5536	mg/L	0.00227	0.41%
Vanadium,7440-62-2†	51544.5	0.4734	mg/L	0.00089	0.4734	mg/L	0.00089	0.19%
Zinc,7440-66-6†	90542.8	0.4705	mg/L	0.00126	0.4705	mg/L	0.00126	0.27%
Zirconium,7440-67-7†	805.8	0.0018	mg/L	0.00043	0.0018	mg/L	0.00043	23.61%

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Sequence No.: 61
Sample ID: 398975
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 58
Date Collected: 8/8/2006 8:10:00 PM
Data Type: Reprocessed on 8/9/2006 8:16:08 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398975

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	79966.9	94.411	%	0.5018				0.53%
Ar 420.067 R	899194.8	96.739	%	0.2826				0.29%
Scandium-IS	2778198.2	99.557	%	0.1812				0.18%
Yttrium,7440-65-5A	1494044.3	98.977	%	0.1835				0.19%
Yttrium,7440-65-5R	71267.3	98.633	%	1.7005				1.72%
Aluminum,7429-90-5†	207.2	0.400	mg/L	0.0084	2.002	mg/L	0.0418	2.09%
Antimony,7440-36-0†	14.9	0.0048	mg/L	0.00162	0.0242	mg/L	0.00809	33.46%
Arsenic,7440-38-2†	5.1	0.0017	mg/L	0.00099	0.0086	mg/L	0.00494	57.29%
Barium,7440-39-3†	2239.6	0.0126	mg/L	0.00010	0.0631	mg/L	0.00050	0.79%
Beryllium,7440-41-7†	374.7	0.0001	mg/L	0.00003	0.0004	mg/L	0.00013	28.69%
Boron,7440-42-8†	2501.0	0.0385	mg/L	0.00254	0.1927	mg/L	0.01272	6.60%
Cadmium,7440-43-9†	-110.5	-0.0005	mg/L	0.00002	-0.0023	mg/L	0.00009	3.76%
Calcium,7440-70-2†	902.3	0.648	mg/L	0.0043	3.239	mg/L	0.0214	0.66%
Chromium,7440-47-3†	91.7	0.0005	mg/L	0.00018	0.0024	mg/L	0.00091	37.32%

001498

Cobalt,7440-48-4†	81.9	0.0015 mg/L	0.00020	0.0074 mg/L	0.00102	13.73%
Copper,7440-50-8†	-147.0	-0.0004 mg/L	0.00029	-0.0022 mg/L	0.00143	63.91%
Iron,7439-89-6†	157.7	0.1612 mg/L	0.00338	0.8061 mg/L	0.01692	2.10%
Lead,7439-92-1†	15.7	0.0014 mg/L	0.00117	0.0071 mg/L	0.00583	82.64%
Lithium,7439-93-2†	-212.7	-0.0043 mg/L	0.00049	-0.0214 mg/L	0.00247	11.51%
Magnesium,7439-95-4†	82.4	0.3969 mg/L	0.00964	1.9843 mg/L	0.04818	2.43%
Manganese,7439-96-5†	15121.0	0.0185 mg/L	0.00001	0.0926 mg/L	0.00005	0.06%
Molybdenum,7439-98-7†	7.8	0.0003 mg/L	0.00040	0.0013 mg/L	0.00201	151.26%
Nickel,7440-02-0†	39.0	0.0007 mg/L	0.00011	0.0036 mg/L	0.00054	14.87%
Potassium,7440-09-7†	804.1	0.3874 mg/L	0.01233	1.9372 mg/L	0.06165	3.18%
Selenium,7782-49-2†	16.0	0.0089 mg/L	0.00433	0.0445 mg/L	0.02163	48.59%
Silicon,7440-21-3†	714.1	1.3203 mg/L	0.00685	6.6016 mg/L	0.03427	0.52%
Silver,7440-22-4†	-72.7	-0.0002 mg/L	0.00009	-0.0011 mg/L	0.00046	43.35%
Sodium,7440-23-5†	17691.3	4.9273 mg/L	0.13149	24.637 mg/L	0.6574	2.67%
Strontium,7440-24-6†	2277.9	0.0071 mg/L	0.00017	0.0355 mg/L	0.00084	2.36%
Thallium,7440-28-0†	8.0	0.0014 mg/L	0.00134	0.0070 mg/L	0.00668	95.10%
Tin,7440-31-5†	-20.5	-0.0021 mg/L	0.00029	-0.0104 mg/L	0.00144	13.91%
Titanium,7440-32-6†	7745.2	0.0144 mg/L	0.00218	0.0720 mg/L	0.01091	15.15%
Vanadium,7440-62-2†	-0.4	0.0000 mg/L	0.00033	0.0000 mg/L	0.00167	>999.9%
Zinc,7440-66-6†	402.5	0.0021 mg/L	0.00003	0.0103 mg/L	0.00013	1.28%
Zirconium,7440-67-7†	-247.7	-0.0006 mg/L	0.00020	-0.0030 mg/L	0.00098	33.06%

Sequence No.: 62
Sample ID: 20608045211 FLDBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 59
Date Collected: 8/8/2006 8:16:49 PM
Data Type: Reprocessed on 8/9/2006 8:16:09 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045211 FLDBLK

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	80680.9	95.254	%	0.2142				0.22%
Ar 420.067 R	902602.5	97.106	%	0.2596				0.27%
Scandium-IS	2757663.3	98.821	%	0.1658				0.17%
Yttrium,7440-65-5A	1498401.8	99.266	%	0.1425				0.14%
Yttrium,7440-65-5R	74501.5	103.11	%	1.396				1.35%
Aluminum,7429-90-5†	12.0	0.023	mg/L	0.0192	0.023	mg/L	0.0192	83.16%
Antimony,7440-36-0†	0.7	0.0002	mg/L	0.00053	0.0002	mg/L	0.00053	236.29%
Arsenic,7440-38-2†	2.4	0.0008	mg/L	0.00205	0.0008	mg/L	0.00205	266.94%
Barium,7440-39-3†	37.0	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	24.72%
Beryllium,7440-41-7†	172.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	25.61%
Boron,7440-42-8†	1230.4	0.0189	mg/L	0.00072	0.0189	mg/L	0.00072	3.82%
Cadmium,7440-43-9†	61.4	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	18.70%
Calcium,7440-70-2†	143.4	0.103	mg/L	0.0094	0.103	mg/L	0.0094	9.14%
Chromium,7440-47-3†	-18.8	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	77.74%
Cobalt,7440-48-4†	16.8	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	54.49%
Copper,7440-50-8†	66.2	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	35.60%
Iron,7439-89-6†	2.9	0.0029	mg/L	0.00085	0.0029	mg/L	0.00085	29.03%
Lead,7439-92-1†	7.0	0.0006	mg/L	0.00024	0.0006	mg/L	0.00024	39.32%
Lithium,7439-93-2†	-261.0	-0.0053	mg/L	0.00110	-0.0053	mg/L	0.00110	20.98%
Magnesium,7439-95-4†	5.2	0.0249	mg/L	0.01979	0.0249	mg/L	0.01979	79.34%
Manganese,7439-96-5†	183.1	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	15.80%
Molybdenum,7439-98-7†	4.9	0.0002	mg/L	0.00031	0.0002	mg/L	0.00031	188.24%
Nickel,7440-02-0†	18.6	0.0003	mg/L	0.00047	0.0003	mg/L	0.00047	134.81%
Potassium,7440-09-7†	179.9	0.0868	mg/L	0.00955	0.0868	mg/L	0.00955	11.01%
Selenium,7782-49-2†	13.6	0.0075	mg/L	0.00119	0.0075	mg/L	0.00119	15.92%
Silicon,7440-21-3†	1.6	0.0029	mg/L	0.00647	0.0029	mg/L	0.00647	219.34%
Silver,7440-22-4†	-43.4	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	119.44%
Sodium,7440-23-5†	1060.7	0.2954	mg/L	0.04765	0.2954	mg/L	0.04765	16.13%
Strontium,7440-24-6†	243.1	0.0008	mg/L	0.00003	0.0008	mg/L	0.00003	3.70%
Thallium,7440-28-0†	12.8	0.0021	mg/L	0.00082	0.0021	mg/L	0.00082	40.05%
Tin,7440-31-5†	-24.5	-0.0025	mg/L	0.00050	-0.0025	mg/L	0.00050	20.11%
Titanium,7440-32-6†	87.6	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	127.80%
Vanadium,7440-62-2†	-27.3	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006	23.63%
Zinc,7440-66-6†	1699.2	0.0089	mg/L	0.00013	0.0089	mg/L	0.00013	1.45%
Zirconium,7440-67-7†	-411.6	-0.0010	mg/L	0.00001	-0.0010	mg/L	0.00001	1.20%

Sequence No.: 63
Sample ID: 20608045212 EQBLK
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 60
Date Collected: 8/8/2006 8:23:35 PM
Data Type: Reprocessed on 8/9/2006 8:16:11 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045212 EQBLK

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	80725.9	95.307	%	0.1571				0.16%
Ar 420.067 R	912754.9	98.198	%	0.2454				0.25%
Scandium-IS	2789874.0	99.975	%	0.9068				0.91%
Yttrium,7440-65-5A	1515345.4	100.39	%	0.894				0.89%
Yttrium,7440-65-5R	73723.9	102.03	%	1.064				1.04%
Aluminum,7429-90-5†	-1.2	-0.002	mg/L	0.0054	-0.002	mg/L	0.0054	232.87%
Antimony,7440-36-0†	0.1	0.0000	mg/L	0.00301	0.0000	mg/L	0.00301	>999.9%
Arsenic,7440-38-2†	1.9	0.0006	mg/L	0.00068	0.0006	mg/L	0.00068	109.73%
Barium,7440-39-3†	-10.8	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	191.66%
Beryllium,7440-41-7†	33.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	152.40%
Boron,7440-42-8†	729.2	0.0112	mg/L	0.00042	0.0112	mg/L	0.00042	3.76%
Cadmium,7440-43-9†	59.8	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	11.40%
Calcium,7440-70-2†	107.8	0.077	mg/L	0.0051	0.077	mg/L	0.0051	6.58%
Chromium,7440-47-3†	-8.9	-0.0001	mg/L	0.00014	-0.0001	mg/L	0.00014	262.85%
Cobalt,7440-48-4†	17.3	0.0003	mg/L	0.00037	0.0003	mg/L	0.00037	115.73%
Copper,7440-50-8†	-62.3	-0.0002	mg/L	0.00046	-0.0002	mg/L	0.00046	261.41%
Iron,7439-89-6†	-0.2	-0.0002	mg/L	0.00059	-0.0002	mg/L	0.00059	297.42%
Lead,7439-92-1†	12.5	0.0011	mg/L	0.00040	0.0011	mg/L	0.00040	36.24%
Lithium,7439-93-2†	-319.3	-0.0064	mg/L	0.00030	-0.0064	mg/L	0.00030	4.65%
Magnesium,7439-95-4†	3.2	0.0156	mg/L	0.01025	0.0156	mg/L	0.01025	65.86%
Manganese,7439-96-5†	21.0	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	136.99%
Molybdenum,7439-98-7†	-1.9	-0.0001	mg/L	0.00035	-0.0001	mg/L	0.00035	536.38%
Nickel,7440-02-0†	11.1	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	73.92%
Potassium,7440-09-7†	70.1	0.0338	mg/L	0.04166	0.0338	mg/L	0.04166	123.37%
Selenium,7782-49-2†	11.5	0.0063	mg/L	0.00419	0.0063	mg/L	0.00419	66.37%
Silicon,7440-21-3†	4.3	0.0079	mg/L	0.00632	0.0079	mg/L	0.00632	79.79%
Silver,7440-22-4†	-42.1	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	49.50%
Sodium,7440-23-5†	784.0	0.2184	mg/L	0.06464	0.2184	mg/L	0.06464	29.60%
Strontium,7440-24-6†	57.7	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	51.53%
Thallium,7440-28-0†	3.0	0.0005	mg/L	0.00181	0.0005	mg/L	0.00181	383.72%
Tin,7440-31-5†	-30.1	-0.0030	mg/L	0.00055	-0.0030	mg/L	0.00055	18.09%
Titanium,7440-32-6†	64.1	0.0001	mg/L	0.00018	0.0001	mg/L	0.00018	152.54%
Vanadium,7440-62-2†	-55.9	-0.0005	mg/L	0.00055	-0.0005	mg/L	0.00055	107.56%
Zinc,7440-66-6†	1611.9	0.0085	mg/L	0.00018	0.0085	mg/L	0.00018	2.13%
Zirconium,7440-67-7†	-351.1	-0.0008	mg/L	0.00025	-0.0008	mg/L	0.00025	29.33%

Sequence No.: 64
Sample ID: 20608045702
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 61
Date Collected: 8/8/2006 8:30:22 PM
Data Type: Reprocessed on 8/9/2006 8:16:12 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045702

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	80398.0	94.920	%	0.0853				0.09%
Ar 420.067 R	902923.6	97.140	%	0.2559				0.26%
Scandium-IS	2792561.4	100.07	%	0.686				0.69%
Yttrium,7440-65-5A	1502185.3	99.517	%	0.6633				0.67%
Yttrium,7440-65-5R	73330.4	101.49	%	1.029				1.01%
Aluminum,7429-90-5†	1099.1	2.124	mg/L	0.0382	2.124	mg/L	0.0382	1.80%
Antimony,7440-36-0†	-1.2	-0.0004	mg/L	0.00261	-0.0004	mg/L	0.00261	670.20%
Arsenic,7440-38-2†	-22.1	-0.0067	mg/L	0.00104	-0.0067	mg/L	0.00104	15.54%
Barium,7440-39-3†	7692.8	0.0433	mg/L	0.00042	0.0433	mg/L	0.00042	0.97%
Beryllium,7440-41-7†	614.0	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	13.22%
Boron,7440-42-8†	1432.8	0.0225	mg/L	0.00058	0.0225	mg/L	0.00058	2.57%
Cadmium,7440-43-9†	-389.7	-0.0016	mg/L	0.00007	-0.0016	mg/L	0.00007	4.52%

001500

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Calcium,7440-70-2†	4111.0	2.951 mg/L	0.0086	2.951 mg/L	0.0086	0.29%
Chromium,7440-47-3†	2194.9	0.0129 mg/L	0.00025	0.0129 mg/L	0.00025	1.95%
Cobalt,7440-48-4†	167.1	0.0029 mg/L	0.00023	0.0029 mg/L	0.00023	7.99%
Copper,7440-50-8†	880.7	0.0022 mg/L	0.00010	0.0022 mg/L	0.00010	4.60%
Iron,7439-89-6†	883.5	0.9032 mg/L	0.00492	0.9032 mg/L	0.00492	0.54%
Lead,7439-92-1†	76.4	0.0069 mg/L	0.00176	0.0069 mg/L	0.00176	25.60%
Lithium,7439-93-2†	-199.0	-0.0040 mg/L	0.00091	-0.0040 mg/L	0.00091	22.66%
Magnesium,7439-95-4†	183.5	0.8841 mg/L	0.03046	0.8841 mg/L	0.03046	3.45%
Manganese,7439-96-5†	47689.0	0.0584 mg/L	0.00052	0.0584 mg/L	0.00052	0.89%
Molybdenum,7439-98-7†	13.7	0.0005 mg/L	0.00049	0.0005 mg/L	0.00049	104.65%
Nickel,7440-02-0†	227.4	0.0042 mg/L	0.00031	0.0042 mg/L	0.00031	7.22%
Potassium,7440-09-7†	37303.9	17.988 mg/L	0.2632	17.988 mg/L	0.2632	1.46%
Selenium,7782-49-2†	14.0	0.0082 mg/L	0.00162	0.0082 mg/L	0.00162	19.66%
Silicon,7440-21-3†	2389.5	4.4187 mg/L	0.05736	4.4187 mg/L	0.05736	1.30%
Silver,7440-22-4†	-149.2	-0.0003 mg/L	0.00018	-0.0003 mg/L	0.00018	60.32%
Sodium,7440-23-5†	20834.9	5.8027 mg/L	0.14623	5.8027 mg/L	0.14623	2.52%
Strontium,7440-24-6†	7152.5	0.0223 mg/L	0.00032	0.0223 mg/L	0.00032	1.42%
Thallium,7440-28-0†	8.4	0.0019 mg/L	0.00114	0.0019 mg/L	0.00114	60.79%
Tin,7440-31-5†	-25.0	-0.0025 mg/L	0.00029	-0.0025 mg/L	0.00029	11.62%
Titanium,7440-32-6†	36099.7	0.0671 mg/L	0.01177	0.0671 mg/L	0.01177	17.54%
Vanadium,7440-62-2†	686.7	0.0063 mg/L	0.00054	0.0063 mg/L	0.00054	8.61%
Zinc,7440-66-6†	5506.9	0.0287 mg/L	0.00053	0.0287 mg/L	0.00053	1.85%
Zirconium,7440-67-7†	-214.5	-0.0005 mg/L	0.00022	-0.0005 mg/L	0.00022	42.65%

Sequence No.: 65
Sample ID: 20608045501
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 62
Date Collected: 8/8/2006 8:37:12 PM
Data Type: Reprocessed on 8/9/2006 8:16:14 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045501

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79778.0	94.188	%	0.1555				0.17%
Ar 420.067 R	906919.8	97.570	%	0.3399				0.35%
Scandium-IS	2765365.5	99.097	%	0.5094				0.51%
Yttrium,7440-65-5A	1475357.1	97.739	%	0.4901				0.50%
Yttrium,7440-65-5R	72700.2	100.62	%	1.731				1.72%
Aluminum,7429-90-5†	20.1	0.039	mg/L	0.0123	0.039	mg/L	0.0123	31.80%
Antimony,7440-36-0†	3.7	0.0012	mg/L	0.00148	0.0012	mg/L	0.00148	119.39%
Arsenic,7440-38-2†	-0.1	-0.0001	mg/L	0.00053	-0.0001	mg/L	0.00053	831.86%
Barium,7440-39-3†	1693.4	0.0095	mg/L	0.00007	0.0095	mg/L	0.00007	0.79%
Beryllium,7440-41-7†	68.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	31.15%
Boron,7440-42-8†	3270.9	0.0502	mg/L	0.00040	0.0502	mg/L	0.00040	0.80%
Cadmium,7440-43-9†	-150.4	-0.0006	mg/L	0.00002	-0.0006	mg/L	0.00002	3.61%
Calcium,7440-70-2†	22623.0	16.24	mg/L	0.349	16.24	mg/L	0.349	2.15%
Chromium,7440-47-3†	32.0	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	16.19%
Cobalt,7440-48-4†	32.9	0.0006	mg/L	0.00009	0.0006	mg/L	0.00009	14.31%
Copper,7440-50-8†	14927.2	0.0399	mg/L	0.00093	0.0399	mg/L	0.00093	2.34%
Iron,7439-89-6†	11.4	0.0118	mg/L	0.00198	0.0118	mg/L	0.00198	16.73%
Lead,7439-92-1†	19.6	0.0018	mg/L	0.00009	0.0018	mg/L	0.00009	5.18%
Lithium,7439-93-2†	-187.9	-0.0038	mg/L	0.00099	-0.0038	mg/L	0.00099	26.20%
Magnesium,7439-95-4†	154.0	0.7418	mg/L	0.01218	0.7418	mg/L	0.01218	1.64%
Manganese,7439-96-5†	227.0	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	3.76%
Molybdenum,7439-98-7†	43.7	0.0014	mg/L	0.00026	0.0014	mg/L	0.00026	18.40%
Nickel,7440-02-0†	37.3	0.0007	mg/L	0.00009	0.0007	mg/L	0.00009	12.73%
Potassium,7440-09-7†	8030.2	3.8699	mg/L	0.09269	3.8699	mg/L	0.09269	2.40%
Selenium,7782-49-2†	13.2	0.0075	mg/L	0.00312	0.0075	mg/L	0.00312	41.32%
Silicon,7440-21-3†	990.1	1.8301	mg/L	0.02802	1.8301	mg/L	0.02802	1.53%
Silver,7440-22-4†	37.7	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	88.17%
Sodium,7440-23-5†	103324.6	28.778	mg/L	0.2422	28.778	mg/L	0.2422	0.84%
Strontium,7440-24-6†	27520.9	0.0857	mg/L	0.00195	0.0857	mg/L	0.00195	2.28%
Thallium,7440-28-0†	7.9	0.0012	mg/L	0.00260	0.0012	mg/L	0.00260	213.47%
Tin,7440-31-5†	-81.6	-0.0079	mg/L	0.00104	-0.0079	mg/L	0.00104	13.15%
Titanium,7440-32-6†	-31.8	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	107.72%
Vanadium,7440-62-2†	55.5	0.0005	mg/L	0.00057	0.0005	mg/L	0.00057	103.76%
Zinc,7440-66-6†	9370.6	0.0488	mg/L	0.00080	0.0488	mg/L	0.00080	1.63%
Zirconium,7440-67-7†	-1434.1	-0.0033	mg/L	0.00009	-0.0033	mg/L	0.00009	2.74%

Sequence No.: 66
Sample ID: 20608045502
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 63
Date Collected: 8/8/2006 8:44:01 PM
Data Type: Reprocessed on 8/9/2006 8:16:15 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045502

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	79617.7	93.998	%	0.1642				0.17%
Ar 420.067 R	899321.4	96.753	%	0.2471				0.26%
Scandium-IS	2777200.6	99.521	%	0.3544				0.36%
Yttrium,7440-65-5A	1481257.3	98.130	%	0.3396				0.35%
Yttrium,7440-65-5R	72201.4	99.926	%	0.9122				0.91%
Aluminum,7429-90-5†	23.1	0.044	mg/L	0.0080	0.044	mg/L	0.0080	18.02%
Antimony,7440-36-0†	-1.1	-0.0003	mg/L	0.00083	-0.0003	mg/L	0.00083	268.18%
Arsenic,7440-38-2†	-8.7	-0.0029	mg/L	0.00361	-0.0029	mg/L	0.00361	125.98%
Barium,7440-39-3†	1761.7	0.0099	mg/L	0.00011	0.0099	mg/L	0.00011	1.15%
Beryllium,7440-41-7†	48.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	36.54%
Boron,7440-42-8†	3349.4	0.0514	mg/L	0.00101	0.0514	mg/L	0.00101	1.97%
Cadmium,7440-43-9†	-115.0	-0.0005	mg/L	0.00003	-0.0005	mg/L	0.00003	7.03%
Calcium,7440-70-2†	22759.3	16.34	mg/L	0.156	16.34	mg/L	0.156	0.96%
Chromium,7440-47-3†	32.1	0.0002	mg/L	0.00016	0.0002	mg/L	0.00016	89.32%
Cobalt,7440-48-4†	33.1	0.0006	mg/L	0.00016	0.0006	mg/L	0.00016	26.34%
Copper,7440-50-8†	20384.3	0.0549	mg/L	0.00076	0.0549	mg/L	0.00076	1.38%
Iron,7439-89-6†	14.4	0.0149	mg/L	0.00537	0.0149	mg/L	0.00537	36.04%
Lead,7439-92-1†	46.8	0.0041	mg/L	0.00064	0.0041	mg/L	0.00064	15.47%
Lithium,7439-93-2†	-151.4	-0.0030	mg/L	0.00025	-0.0030	mg/L	0.00025	8.04%
Magnesium,7439-95-4†	162.5	0.7823	mg/L	0.02305	0.7823	mg/L	0.02305	2.95%
Manganese,7439-96-5†	461.2	0.0006	mg/L	0.00004	0.0006	mg/L	0.00004	6.07%
Molybdenum,7439-98-7†	43.2	0.0014	mg/L	0.00040	0.0014	mg/L	0.00040	28.17%
Nickel,7440-02-0†	243.8	0.0046	mg/L	0.00025	0.0046	mg/L	0.00025	5.49%
Potassium,7440-09-7†	8061.5	3.8849	mg/L	0.00753	3.8849	mg/L	0.00753	0.19%
Selenium,7782-49-2†	1.6	0.0012	mg/L	0.00539	0.0012	mg/L	0.00539	450.60%
Silicon,7440-21-3†	984.6	1.8200	mg/L	0.01376	1.8200	mg/L	0.01376	0.76%
Silver,7440-22-4†	58.1	0.0002	mg/L	0.00043	0.0002	mg/L	0.00043	244.88%
Sodium,7440-23-5†	103730.7	28.891	mg/L	0.0488	28.891	mg/L	0.0488	0.17%
Strontium,7440-24-6†	27903.6	0.0869	mg/L	0.00011	0.0869	mg/L	0.00011	0.13%
Thallium,7440-28-0†	6.6	0.0010	mg/L	0.00089	0.0010	mg/L	0.00089	88.33%
Tin,7440-31-5†	-69.3	-0.0066	mg/L	0.00074	-0.0066	mg/L	0.00074	11.13%
Titanium,7440-32-6†	-76.7	-0.0001	mg/L	0.00035	-0.0001	mg/L	0.00035	241.89%
Vanadium,7440-62-2†	59.6	0.0006	mg/L	0.00014	0.0006	mg/L	0.00014	23.65%
Zinc,7440-66-6†	45002.8	0.2360	mg/L	0.00245	0.2360	mg/L	0.00245	1.04%
Zirconium,7440-67-7†	-1503.6	-0.0035	mg/L	0.00012	-0.0035	mg/L	0.00012	3.60%

Sequence No.: 67
Sample ID: 20608045503
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 64
Date Collected: 8/8/2006 8:50:49 PM
Data Type: Reprocessed on 8/9/2006 8:16:17 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045503

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	79793.8	94.206	%	0.1422				0.15%
Ar 420.067 R	900343.8	96.863	%	0.1608				0.17%
Scandium-IS	2755571.3	98.746	%	0.3468				0.35%
Yttrium,7440-65-5A	1470565.9	97.422	%	0.2978				0.31%
Yttrium,7440-65-5R	72173.6	99.887	%	1.0030				1.00%
Aluminum,7429-90-5†	53.7	0.104	mg/L	0.0082	0.104	mg/L	0.0082	7.91%
Antimony,7440-36-0†	-2.9	-0.0009	mg/L	0.00224	-0.0009	mg/L	0.00224	244.68%
Arsenic,7440-38-2†	-4.7	-0.0016	mg/L	0.00384	-0.0016	mg/L	0.00384	244.55%
Barium,7440-39-3†	1992.1	0.0112	mg/L	0.00008	0.0112	mg/L	0.00008	0.72%
Beryllium,7440-41-7†	19.8	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	382.98%

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Boron,7440-42-8†	3224.4	0.0494 mg/L	0.00130	0.0494 mg/L	0.00130	2.64%
Cadmium,7440-43-9†	-187.0	-0.0008 mg/L	0.00002	-0.0008 mg/L	0.00002	2.46%
Calcium,7440-70-2†	20664.9	14.84 mg/L	0.113	14.84 mg/L	0.113	0.76%
Chromium,7440-47-3†	48.8	0.0003 mg/L	0.00011	0.0003 mg/L	0.00011	42.17%
Cobalt,7440-48-4†	30.1	0.0006 mg/L	0.00023	0.0006 mg/L	0.00023	40.71%
Copper,7440-50-8†	10331.8	0.0274 mg/L	0.00047	0.0274 mg/L	0.00047	1.70%
Iron,7439-89-6†	15.2	0.0157 mg/L	0.00096	0.0157 mg/L	0.00096	6.15%
Lead,7439-92-1†	10.2	0.0010 mg/L	0.00088	0.0010 mg/L	0.00088	91.23%
Lithium,7439-93-2†	-91.1	-0.0018 mg/L	0.00040	-0.0018 mg/L	0.00040	21.60%
Magnesium,7439-95-4†	202.7	0.9759 mg/L	0.01789	0.9759 mg/L	0.01789	1.83%
Manganese,7439-96-5†	438.6	0.0006 mg/L	0.00001	0.0006 mg/L	0.00001	2.07%
Molybdenum,7439-98-7†	33.5	0.0011 mg/L	0.00047	0.0011 mg/L	0.00047	43.11%
Nickel,7440-02-0†	17.7	0.0003 mg/L	0.00006	0.0003 mg/L	0.00006	18.85%
Potassium,7440-09-7†	7642.4	3.6830 mg/L	0.01988	3.6830 mg/L	0.01988	0.54%
Selenium,7782-49-2†	1.4	0.0011 mg/L	0.00688	0.0011 mg/L	0.00688	638.76%
Silicon,7440-21-3†	1221.9	2.2586 mg/L	0.01475	2.2586 mg/L	0.01475	0.65%
Silver,7440-22-4†	-27.5	-0.0001 mg/L	0.00040	-0.0001 mg/L	0.00040	372.90%
Sodium,7440-23-5†	98729.8	27.498 mg/L	0.2163	27.498 mg/L	0.2163	0.79%
Strontium,7440-24-6†	26796.1	0.0834 mg/L	0.00056	0.0834 mg/L	0.00056	0.67%
Thallium,7440-28-0†	15.8	0.0025 mg/L	0.00174	0.0025 mg/L	0.00174	70.42%
Tin,7440-31-5†	-70.3	-0.0067 mg/L	0.00092	-0.0067 mg/L	0.00092	13.70%
Titanium,7440-32-6†	-34.1	-0.0001 mg/L	0.00010	-0.0001 mg/L	0.00010	165.37%
Vanadium,7440-62-2†	20.5	0.0002 mg/L	0.00019	0.0002 mg/L	0.00019	82.61%
Zinc,7440-66-6†	618.1	0.0029 mg/L	0.00011	0.0029 mg/L	0.00011	3.76%
Zirconium,7440-67-7†	-1393.8	-0.0032 mg/L	0.00011	-0.0032 mg/L	0.00011	3.39%

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Sequence No.: 68
Sample ID: 20608045504
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 65
Date Collected: 8/8/2006 8:57:37 PM
Data Type: Reprocessed on 8/9/2006 8:16:18 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045504

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	79641.2	94.026	%	0.3126				0.33%
Ar 420.067 R	905141.8	97.379	%	0.0943				0.10%
Scandium-IS	2745354.0	98.380	%	0.6609				0.67%
Yttrium,7440-65-5A	1464401.3	97.014	%	0.6605				0.68%
Yttrium,7440-65-5R	71642.9	99.153	%	1.5368				1.55%
Aluminum,7429-90-5†	72.5	0.140	mg/L	0.0113	0.140	mg/L	0.0113	8.08%
Antimony,7440-36-0†	9.3	0.0031	mg/L	0.00413	0.0031	mg/L	0.00413	134.62%
Arsenic,7440-38-2†	-3.2	-0.0011	mg/L	0.00085	-0.0011	mg/L	0.00085	79.40%
Barium,7440-39-3†	1999.8	0.0112	mg/L	0.00018	0.0112	mg/L	0.00018	1.57%
Beryllium,7440-41-7†	-16.6	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	67.56%
Boron,7440-42-8†	2799.0	0.0429	mg/L	0.00087	0.0429	mg/L	0.00087	2.02%
Cadmium,7440-43-9†	-236.1	-0.0010	mg/L	0.00003	-0.0010	mg/L	0.00003	3.26%
Calcium,7440-70-2†	24370.9	17.50	mg/L	0.271	17.50	mg/L	0.271	1.55%
Chromium,7440-47-3†	61.1	0.0003	mg/L	0.00007	0.0003	mg/L	0.00007	21.19%
Cobalt,7440-48-4†	12.4	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	87.50%
Copper,7440-50-8†	21512.1	0.0579	mg/L	0.00090	0.0579	mg/L	0.00090	1.55%
Iron,7439-89-6†	13.9	0.0143	mg/L	0.00208	0.0143	mg/L	0.00208	14.52%
Lead,7439-92-1†	20.5	0.0018	mg/L	0.00141	0.0018	mg/L	0.00141	76.86%
Lithium,7439-93-2†	-170.9	-0.0034	mg/L	0.00032	-0.0034	mg/L	0.00032	9.42%
Magnesium,7439-95-4†	177.9	0.8569	mg/L	0.04791	0.8569	mg/L	0.04791	5.59%
Manganese,7439-96-5†	215.9	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	8.91%
Molybdenum,7439-98-7†	46.7	0.0015	mg/L	0.00033	0.0015	mg/L	0.00033	21.82%
Nickel,7440-02-0†	-12.4	-0.0002	mg/L	0.00008	-0.0002	mg/L	0.00008	34.46%
Potassium,7440-09-7†	8023.5	3.8664	mg/L	0.04537	3.8664	mg/L	0.04537	1.17%
Selenium,7782-49-2†	4.9	0.0030	mg/L	0.00252	0.0030	mg/L	0.00252	83.34%
Silicon,7440-21-3†	1376.3	2.5439	mg/L	0.01615	2.5439	mg/L	0.01615	0.63%
Silver,7440-22-4†	76.4	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	106.69%
Sodium,7440-23-5†	102593.5	28.574	mg/L	0.2114	28.574	mg/L	0.2114	0.74%
Strontium,7440-24-6†	30071.4	0.0936	mg/L	0.00132	0.0936	mg/L	0.00132	1.41%
Thallium,7440-28-0†	7.6	0.0012	mg/L	0.00140	0.0012	mg/L	0.00140	120.29%
Tin,7440-31-5†	-75.6	-0.0072	mg/L	0.00031	-0.0072	mg/L	0.00031	4.31%
Titanium,7440-32-6†	-45.8	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	195.91%
Vanadium,7440-62-2†	98.0	0.0009	mg/L	0.00022	0.0009	mg/L	0.00022	23.69%

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Zinc,7440-66-6†	4342.3	0.0224	mg/L	0.00026	0.0224	mg/L	0.00026 1.17%
Zirconium,7440-67-7†	-1591.7	-0.0037	mg/L	0.00016	-0.0037	mg/L	0.00016 4.50%

Sequence No.: 69 **Autosampler Location: 66**
Sample ID: --- **Date Collected: 8/8/2006 9:04:26 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:20 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	81828.3	96.608	%	0.1519				0.16%
Ar 420.067 R	919109.5	98.882	%	0.1109				0.11%
Scandium-IS	2752183.4	98.624	%	0.8728				0.88%
Yttrium,7440-65-5A	1495067.9	99.045	%	0.8184				0.83%
Yttrium,7440-65-5R	72734.6	100.66	%	1.306				1.30%
Aluminum,7429-90-5†	-5.8	-0.011	mg/L	0.0057	-0.011	mg/L	0.0057	50.79%
Antimony,7440-36-0†	-3.3	-0.0011	mg/L	0.00151	-0.0011	mg/L	0.00151	142.57%
Arsenic,7440-38-2†	7.7	0.0025	mg/L	0.00089	0.0025	mg/L	0.00089	35.83%
Barium,7440-39-3†	-10.5	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	158.39%
Beryllium,7440-41-7†	-18.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	169.77%
Boron,7440-42-8†	-66.6	-0.0010	mg/L	0.00030	-0.0010	mg/L	0.00030	29.16%
Cadmium,7440-43-9†	19.6	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	45.55%
Calcium,7440-70-2†	4.1	0.003	mg/L	0.0037	0.003	mg/L	0.0037	123.88%
Chromium,7440-47-3†	-42.7	-0.0003	mg/L	0.00009	-0.0003	mg/L	0.00009	36.47%
Cobalt,7440-48-4†	23.7	0.0004	mg/L	0.00013	0.0004	mg/L	0.00013	28.96%
Copper,7440-50-8†	85.2	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	24.62%
Iron,7439-89-6†	1.3	0.0013	mg/L	0.00228	0.0013	mg/L	0.00228	171.99%
Lead,7439-92-1†	11.6	0.0010	mg/L	0.00107	0.0010	mg/L	0.00107	105.63%
Lithium,7439-93-2†	-400.3	-0.0081	mg/L	0.00076	-0.0081	mg/L	0.00076	9.46%
Magnesium,7439-95-4†	2.1	0.0100	mg/L	0.02108	0.0100	mg/L	0.02108	211.18%
Manganese,7439-96-5†	-100.8	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	4.55%
Molybdenum,7439-98-7†	-21.8	-0.0007	mg/L	0.00036	-0.0007	mg/L	0.00036	48.23%
Nickel,7440-02-0†	0.1	0.0000	mg/L	0.00031	0.0000	mg/L	0.00031	>999.9%
Potassium,7440-09-7†	431.8	0.2082	mg/L	0.02273	0.2082	mg/L	0.02273	10.91%
Selenium,7782-49-2†	17.4	0.0096	mg/L	0.00256	0.0096	mg/L	0.00256	26.72%
Silicon,7440-21-3†	-2.1	-0.0040	mg/L	0.00227	-0.0040	mg/L	0.00227	57.18%
Silver,7440-22-4†	-28.5	-0.0001	mg/L	0.00025	-0.0001	mg/L	0.00025	262.18%
Sodium,7440-23-5†	7109.0	1.9800	mg/L	0.06209	1.9800	mg/L	0.06209	3.14%
Strontium,7440-24-6†	30.2	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	62.46%
Thallium,7440-28-0†	0.0	0.0000	mg/L	0.00145	0.0000	mg/L	0.00145	>999.9%
Tin,7440-31-5†	-34.7	-0.0035	mg/L	0.00066	-0.0035	mg/L	0.00066	18.75%
Titanium,7440-32-6†	2.4	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	>999.9%
Vanadium,7440-62-2†	-21.4	-0.0002	mg/L	0.00054	-0.0002	mg/L	0.00054	276.34%
Zinc,7440-66-6†	-77.7	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	7.44%
Zirconium,7440-67-7†	-227.1	-0.0005	mg/L	0.00011	-0.0005	mg/L	0.00011	20.53%

Sequence No.: 70 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/8/2006 9:11:14 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:21 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	78772.4	93.000	%	0.2077				0.22%
Ar 420.067 R	901129.0	96.947	%	0.2123				0.22%
Scandium-IS	2666019.7	95.537	%	0.3394				0.36%
Yttrium,7440-65-5A	1425089.1	94.409	%	0.3635				0.39%
Yttrium,7440-65-5R	70638.8	97.763	%	0.7171				0.73%
Aluminum,7429-90-5†	2680.1	5.187	mg/L	0.0789	5.187	mg/L	0.0789	1.52%
QC value within limits for Aluminum,7429-90-5 Recovery = 103.74%								
Antimony,7440-36-0†	1542.7	0.5007	mg/L	0.00519	0.5007	mg/L	0.00519	1.04%

QC value within limits for Antimony,7440-36-0 Recovery = 100.14%

Arsenic,7440-38-2†	1467.5	0.4796 mg/L	0.00213	0.4796 mg/L	0.00213	0.44%

QC value within limits for Arsenic,7440-38-2 Recovery = 95.92%

Barium,7440-39-3†	86883.0	0.4890 mg/L	0.00046	0.4890 mg/L	0.00046	0.09%

QC value within limits for Barium,7440-39-3 Recovery = 97.80%

Beryllium,7440-41-7†	1985735.0	0.4905 mg/L	0.00037	0.4905 mg/L	0.00037	0.07%

QC value within limits for Beryllium,7440-41-7 Recovery = 98.11%

Boron,7440-42-8†	155207.9	2.3898 mg/L	0.00479	2.3898 mg/L	0.00479	0.20%

QC value within limits for Boron,7440-42-8 Recovery = 95.59%

Cadmium,7440-43-9†	117295.6	0.4748 mg/L	0.00079	0.4748 mg/L	0.00079	0.17%

QC value within limits for Cadmium,7440-43-9 Recovery = 94.95%

Calcium,7440-70-2†	7009.1	5.031 mg/L	0.0991	5.031 mg/L	0.0991	1.97%

QC value within limits for Calcium,7440-70-2 Recovery = 100.61%

Chromium,7440-47-3†	81929.5	0.4928 mg/L	0.00056	0.4928 mg/L	0.00056	0.11%

QC value within limits for Chromium,7440-47-3 Recovery = 98.55%

Cobalt,7440-48-4†	26470.4	0.4890 mg/L	0.00230	0.4890 mg/L	0.00230	0.47%

QC value within limits for Cobalt,7440-48-4 Recovery = 97.80%

Copper,7440-50-8†	180309.5	0.4940 mg/L	0.00115	0.4940 mg/L	0.00115	0.23%

QC value within limits for Copper,7440-50-8 Recovery = 98.80%

Iron,7439-89-6†	4918.8	5.0288 mg/L	0.09443	5.0288 mg/L	0.09443	1.88%

QC value within limits for Iron,7439-89-6 Recovery = 100.58%

Lead,7439-92-1†	5535.8	0.4826 mg/L	0.00204	0.4826 mg/L	0.00204	0.42%

QC value within limits for Lead,7439-92-1 Recovery = 96.52%

Lithium,7439-93-2†	25227.8	0.5087 mg/L	0.00414	0.5087 mg/L	0.00414	0.81%

QC value within limits for Lithium,7439-93-2 Recovery = 101.74%

Magnesium,7439-95-4†	1045.2	5.0356 mg/L	0.07682	5.0356 mg/L	0.07682	1.53%

QC value within limits for Magnesium,7439-95-4 Recovery = 100.71%

Manganese,7439-96-5†	401843.0	0.4922 mg/L	0.00056	0.4922 mg/L	0.00056	0.11%

QC value within limits for Manganese,7439-96-5 Recovery = 98.44%

Molybdenum,7439-98-7†	14473.6	0.4916 mg/L	0.00243	0.4916 mg/L	0.00243	0.49%

QC value within limits for Molybdenum,7439-98-7 Recovery = 98.32%

Nickel,7440-02-0†	26092.4	0.4898 mg/L	0.00223	0.4898 mg/L	0.00223	0.45%

QC value within limits for Nickel,7440-02-0 Recovery = 97.96%

Potassium,7440-09-7†	21111.2	10.172 mg/L	0.0515	10.172 mg/L	0.0515	0.51%

QC value within limits for Potassium,7440-09-7 Recovery = 101.72%

Selenium,7782-49-2†	890.3	0.4932 mg/L	0.00181	0.4932 mg/L	0.00181	0.37%

QC value within limits for Selenium,7782-49-2 Recovery = 98.64%

Silicon,7440-21-3†	269.6	0.5065 mg/L	0.01257	0.5065 mg/L	0.01257	2.48%

QC value within limits for Silicon,7440-21-3 Recovery = 101.29%

Silver,7440-22-4†	148907.8	0.4990 mg/L	0.00049	0.4990 mg/L	0.00049	0.10%

QC value within limits for Silver,7440-22-4 Recovery = 99.80%

Sodium,7440-23-5†	73527.7	20.479 mg/L	0.3930	20.479 mg/L	0.3930	1.92%

QC value within limits for Sodium,7440-23-5 Recovery = 102.40%

Strontium,7440-24-6†	168144.5	0.5253 mg/L	0.00732	0.5253 mg/L	0.00732	1.39%

QC value within limits for Strontium,7440-24-6 Recovery = 105.05%

Thallium,7440-28-0†	3004.1	0.4863 mg/L	0.00116	0.4863 mg/L	0.00116	0.24%

QC value within limits for Thallium,7440-28-0 Recovery = 97.26%

Tin,7440-31-5†	4709.2	0.4783 mg/L	0.00261	0.4783 mg/L	0.00261	0.55%

QC value within limits for Tin,7440-31-5 Recovery = 95.65%

Titanium,7440-32-6†	269601.1	0.5012 mg/L	0.00060	0.5012 mg/L	0.00060	0.12%

QC value within limits for Titanium,7440-32-6 Recovery = 100.24%

Vanadium,7440-62-2†	52824.8	0.4851 mg/L	0.00083	0.4851 mg/L	0.00083	0.17%

QC value within limits for Vanadium,7440-62-2 Recovery = 97.02%

Zinc,7440-66-6†	94043.7	0.4889 mg/L	0.00064	0.4889 mg/L	0.00064	0.13%

QC value within limits for Zinc,7440-66-6 Recovery = 97.77%

Zirconium,7440-67-7†	207171.7	0.4939 mg/L	0.00031	0.4939 mg/L	0.00031	0.06%

QC value within limits for Zirconium,7440-67-7 Recovery = 98.78%

All analyte(s) passed QC.

Sequence No.: 71 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/8/2006 9:17:55 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:22 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

001505

Ar 363.268 A	79159.3	93.457 %	0.3754				0.40%
Ar 420.067 R	895426.0	96.334 %	0.3723				0.39%
Scandium-IS	2711512.1	97.167 %	1.2503				1.29%
Yttrium,7440-65-5A	1474646.9	97.692 %	1.2561				1.29%
Yttrium,7440-65-5R	70736.4	97.898 %	0.8601				0.88%
Aluminum,7429-90-5†	-0.4	-0.001 mg/L	0.0095	-0.001 mg/L	0.0095	>999.9%	
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	9.2	0.0030 mg/L	0.00111	0.0030 mg/L	0.00111	37.25%	
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	4.7	0.0015 mg/L	0.00081	0.0015 mg/L	0.00081	53.72%	
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	-4.7	0.0000 mg/L	0.00008	0.0000 mg/L	0.00008	287.72%	
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	296.7	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	17.36%	
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	1414.8	0.0218 mg/L	0.00163	0.0218 mg/L	0.00163	7.47%	
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	-1.6	0.0000 mg/L	0.00007	0.0000 mg/L	0.00007	>999.9%	
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	9.9	0.007 mg/L	0.0046	0.007 mg/L	0.0046	64.29%	
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-14.9	-0.0001 mg/L	0.00010	-0.0001 mg/L	0.00010	112.26%	
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	9.7	0.0002 mg/L	0.00005	0.0002 mg/L	0.00005	25.43%	
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	-73.3	-0.0002 mg/L	0.00031	-0.0002 mg/L	0.00031	153.87%	
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	3.7	0.0038 mg/L	0.00053	0.0038 mg/L	0.00053	14.02%	
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	9.0	0.0008 mg/L	0.00062	0.0008 mg/L	0.00062	79.61%	
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	-230.6	-0.0046 mg/L	0.00103	-0.0046 mg/L	0.00103	22.15%	
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	2.2	0.0105 mg/L	0.03511	0.0105 mg/L	0.03511	335.27%	
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	-1.7	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	>999.9%	
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	2.3	0.0001 mg/L	0.00032	0.0001 mg/L	0.00032	412.53%	
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	12.4	0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	16.20%	
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	-2.5	-0.0012 mg/L	0.02564	-0.0012 mg/L	0.02564	>999.9%	
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	12.9	0.0071 mg/L	0.00391	0.0071 mg/L	0.00391	55.28%	
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	0.9	0.0017 mg/L	0.00556	0.0017 mg/L	0.00556	334.53%	
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-58.1	-0.0002 mg/L	0.00023	-0.0002 mg/L	0.00023	119.99%	
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-1351.5	-0.3764 mg/L	0.01600	-0.3764 mg/L	0.01600	4.25%	
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	17.4	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	143.46%	
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	8.1	0.0013 mg/L	0.00161	0.0013 mg/L	0.00161	124.53%	
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	-13.9	-0.0014 mg/L	0.00104	-0.0014 mg/L	0.00104	73.58%	
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	65.7	0.0001 mg/L	0.00006	0.0001 mg/L	0.00006	50.94%	
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-96.9	-0.0009 mg/L	0.00016	-0.0009 mg/L	0.00016	18.43%	
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	2.8	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	282.29%	
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	166.5	0.0004 mg/L	0.00015	0.0004 mg/L	0.00015	37.00%	
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 72 **Autosampler Location: 67**
Sample ID: 20608045505 **Date Collected: 8/8/2006 9:24:40 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:24 AM**

Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 20608045505

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79112.0	93.401	%	0.1760				0.19%
Ar 420.067 R	901998.2	97.041	%	0.1398				0.14%
Scandium-IS	2728206.9	97.765	%	0.7035				0.72%
Yttrium,7440-65-5A	1457653.7	96.567	%	0.7517				0.78%
Yttrium,7440-65-5R	71599.7	99.093	%	1.0184				1.03%
Aluminum,7429-90-5†	-6.3	-0.013	mg/L	0.0104	-0.013	mg/L	0.0104	83.41%
Antimony,7440-36-0†	5.1	0.0017	mg/L	0.00116	0.0017	mg/L	0.00116	67.63%
Arsenic,7440-38-2†	-1.2	-0.0004	mg/L	0.00255	-0.0004	mg/L	0.00255	584.73%
Barium,7440-39-3†	1819.8	0.0102	mg/L	0.00013	0.0102	mg/L	0.00013	1.23%
Beryllium,7440-41-7†	62.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	166.05%
Boron,7440-42-8†	3412.6	0.0523	mg/L	0.00103	0.0523	mg/L	0.00103	1.97%
Cadmium,7440-43-9†	-132.4	-0.0005	mg/L	0.00008	-0.0005	mg/L	0.00008	14.50%
Calcium,7440-70-2†	29790.6	21.39	mg/L	0.379	21.39	mg/L	0.379	1.77%
Chromium,7440-47-3†	18.5	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	103.35%
Cobalt,7440-48-4†	13.4	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	15.99%
Copper,7440-50-8†	74654.7	0.2034	mg/L	0.00054	0.2034	mg/L	0.00054	0.26%
Iron,7439-89-6†	6.6	0.0070	mg/L	0.00279	0.0070	mg/L	0.00279	39.80%
Lead,7439-92-1†	151.3	0.0130	mg/L	0.00015	0.0130	mg/L	0.00015	1.13%
Lithium,7439-93-2†	-78.6	-0.0016	mg/L	0.00171	-0.0016	mg/L	0.00171	108.26%
Magnesium,7439-95-4†	189.7	0.9137	mg/L	0.01027	0.9137	mg/L	0.01027	1.12%
Manganese,7439-96-5†	528.8	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	6.52%
Molybdenum,7439-98-7†	33.1	0.0011	mg/L	0.00023	0.0011	mg/L	0.00023	21.33%
Nickel,7440-02-0†	169.6	0.0032	mg/L	0.00026	0.0032	mg/L	0.00026	8.03%
Potassium,7440-09-7†	8420.8	4.0571	mg/L	0.05569	4.0571	mg/L	0.05569	1.37%
Selenium,7782-49-2†	1.2	0.0011	mg/L	0.00481	0.0011	mg/L	0.00481	443.67%
Silicon,7440-21-3†	852.1	1.5750	mg/L	0.00966	1.5750	mg/L	0.00966	0.61%
Silver,7440-22-4†	-15.5	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	174.27%
Sodium,7440-23-5†	98683.5	27.485	mg/L	0.3455	27.485	mg/L	0.3455	1.26%
Strontium,7440-24-6†	33976.8	0.1057	mg/L	0.00121	0.1057	mg/L	0.00121	1.14%
Thallium,7440-28-0†	3.7	0.0005	mg/L	0.00261	0.0005	mg/L	0.00261	494.76%
Tin,7440-31-5†	-86.8	-0.0083	mg/L	0.00090	-0.0083	mg/L	0.00090	10.88%
Titanium,7440-32-6†	24.9	0.0000	mg/L	0.00019	0.0000	mg/L	0.00019	420.48%
Vanadium,7440-62-2†	-0.7	0.0000	mg/L	0.00045	0.0000	mg/L	0.00045	>999.9%
Zinc,7440-66-6†	56726.0	0.2973	mg/L	0.00041	0.2973	mg/L	0.00041	0.14%
Zirconium,7440-67-7†	-1252.5	-0.0028	mg/L	0.00022	-0.0028	mg/L	0.00022	7.68%

Sequence No.: 73 Autosampler Location: 68
Sample ID: 20608045506 Date Collected: 8/8/2006 9:31:28 PM
Analyst: Data Type: Reprocessed on 8/9/2006 8:16:25 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: 1X Sample Prep Vol:

Mean Data: 20608045506

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79562.9	93.934	%	0.1557				0.17%
Ar 420.067 R	902537.2	97.099	%	0.5591				0.58%
Scandium-IS	2760811.5	98.933	%	1.2652				1.28%
Yttrium,7440-65-5A	1473827.3	97.638	%	1.3100				1.34%
Yttrium,7440-65-5R	72994.3	101.02	%	0.380				0.38%
Aluminum,7429-90-5†	0.3	0.000	mg/L	0.0083	0.000	mg/L	0.0083	>999.9%
Antimony,7440-36-0†	8.6	0.0028	mg/L	0.00280	0.0028	mg/L	0.00280	98.95%
Arsenic,7440-38-2†	-1.9	-0.0007	mg/L	0.00180	-0.0007	mg/L	0.00180	276.64%
Barium,7440-39-3†	1565.8	0.0088	mg/L	0.00012	0.0088	mg/L	0.00012	1.38%
Beryllium,7440-41-7†	65.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	99.82%
Boron,7440-42-8†	2907.9	0.0446	mg/L	0.00131	0.0446	mg/L	0.00131	2.94%
Cadmium,7440-43-9†	-138.5	-0.0006	mg/L	0.00004	-0.0006	mg/L	0.00004	6.35%
Calcium,7440-70-2†	23794.2	17.09	mg/L	0.339	17.09	mg/L	0.339	1.99%
Chromium,7440-47-3†	19.4	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	151.15%
Cobalt,7440-48-4†	25.4	0.0005	mg/L	0.00007	0.0005	mg/L	0.00007	14.28%

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Copper,7440-50-8†	28514.7	0.0772 mg/L	0.00077	0.0772 mg/L	0.00077	0.99%
Iron,7439-89-6†	2.0	0.0022 mg/L	0.00141	0.0022 mg/L	0.00141	63.27%
Lead,7439-92-1†	100.1	0.0087 mg/L	0.00116	0.0087 mg/L	0.00116	13.30%
Lithium,7439-93-2†	-86.7	-0.0017 mg/L	0.00079	-0.0017 mg/L	0.00079	45.54%
Magnesium,7439-95-4†	154.5	0.7442 mg/L	0.02660	0.7442 mg/L	0.02660	3.57%
Manganese,7439-96-5†	705.1	0.0009 mg/L	0.00001	0.0009 mg/L	0.00001	1.59%
Molybdenum,7439-98-7†	29.0	0.0009 mg/L	0.00029	0.0009 mg/L	0.00029	31.57%
Nickel,7440-02-0†	18.3	0.0003 mg/L	0.00023	0.0003 mg/L	0.00023	66.27%
Potassium,7440-09-7†	8597.3	4.1431 mg/L	0.05743	4.1431 mg/L	0.05743	1.39%
Selenium,7782-49-2†	1.4	0.0011 mg/L	0.00399	0.0011 mg/L	0.00399	372.74%
Silicon,7440-21-3†	885.4	1.6365 mg/L	0.01108	1.6365 mg/L	0.01108	0.68%
Silver,7440-22-4†	-19.3	-0.0001 mg/L	0.00022	-0.0001 mg/L	0.00022	249.96%
Sodium,7440-23-5†	106326.5	29.614 mg/L	0.3534	29.614 mg/L	0.3534	1.19%
Strontium,7440-24-6†	27747.0	0.0864 mg/L	0.00109	0.0864 mg/L	0.00109	1.26%
Thallium,7440-28-0†	18.9	0.0030 mg/L	0.00124	0.0030 mg/L	0.00124	41.63%
Tin,7440-31-5†	-84.6	-0.0081 mg/L	0.00096	-0.0081 mg/L	0.00096	11.81%
Titanium,7440-32-6†	-16.1	0.0000 mg/L	0.00012	0.0000 mg/L	0.00012	404.85%
Vanadium,7440-62-2†	38.2	0.0004 mg/L	0.00048	0.0004 mg/L	0.00048	123.34%
Zinc,7440-66-6†	46043.8	0.2414 mg/L	0.00190	0.2414 mg/L	0.00190	0.79%
Zirconium,7440-67-7†	-1270.6	-0.0029 mg/L	0.00015	-0.0029 mg/L	0.00015	5.10%

Sequence No.: 74
Sample ID: 20608045507
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 69
Date Collected: 8/8/2006 9:38:16 PM
Data Type: Reprocessed on 8/9/2006 8:16:27 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045507

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	79230.1	93.541	%	0.0951				0.10%
Ar 420.067 R	904472.9	97.307	%	0.1109				0.11%
Scandium-IS	2750631.9	98.569	%	0.6809				0.69%
Yttrium,7440-65-5A	1469091.8	97.324	%	0.6165				0.63%
Yttrium,7440-65-5R	71642.7	99.153	%	0.4655				0.47%
Aluminum,7429-90-5†	-7.4	-0.015	mg/L	0.0067	-0.015	mg/L	0.0067	45.92%
Antimony,7440-36-0†	16.1	0.0053	mg/L	0.00078	0.0053	mg/L	0.00078	14.74%
Arsenic,7440-38-2†	-1.5	-0.0005	mg/L	0.00087	-0.0005	mg/L	0.00087	164.61%
Barium,7440-39-3†	1793.0	0.0101	mg/L	0.00004	0.0101	mg/L	0.00004	0.36%
Beryllium,7440-41-7†	51.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	243.56%
Boron,7440-42-8†	2511.2	0.0385	mg/L	0.00088	0.0385	mg/L	0.00088	2.28%
Cadmium,7440-43-9†	-66.3	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	9.59%
Calcium,7440-70-2†	23980.5	17.22	mg/L	0.199	17.22	mg/L	0.199	1.15%
Chromium,7440-47-3†	40.3	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	42.66%
Cobalt,7440-48-4†	23.6	0.0004	mg/L	0.00018	0.0004	mg/L	0.00018	40.96%
Copper,7440-50-8†	65559.1	0.1787	mg/L	0.00073	0.1787	mg/L	0.00073	0.41%
Iron,7439-89-6†	6.2	0.0065	mg/L	0.00473	0.0065	mg/L	0.00473	72.75%
Lead,7439-92-1†	27.8	0.0022	mg/L	0.00087	0.0022	mg/L	0.00087	39.08%
Lithium,7439-93-2†	-114.6	-0.0023	mg/L	0.00094	-0.0023	mg/L	0.00094	40.88%
Magnesium,7439-95-4†	114.7	0.5523	mg/L	0.00925	0.5523	mg/L	0.00925	1.68%
Manganese,7439-96-5†	54.8	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	30.75%
Molybdenum,7439-98-7†	52.9	0.0017	mg/L	0.00014	0.0017	mg/L	0.00014	7.83%
Nickel,7440-02-0†	44.1	0.0008	mg/L	0.00022	0.0008	mg/L	0.00022	26.23%
Potassium,7440-09-7†	7224.0	3.4807	mg/L	0.01540	3.4807	mg/L	0.01540	0.44%
Selenium,7782-49-2†	6.6	0.0040	mg/L	0.00128	0.0040	mg/L	0.00128	32.31%
Silicon,7440-21-3†	516.5	0.9546	mg/L	0.01246	0.9546	mg/L	0.01246	1.31%
Silver,7440-22-4†	55.0	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	138.56%
Sodium,7440-23-5†	89207.1	24.846	mg/L	0.2467	24.846	mg/L	0.2467	0.99%
Strontium,7440-24-6†	30862.5	0.0961	mg/L	0.00074	0.0961	mg/L	0.00074	0.77%
Thallium,7440-28-0†	5.6	0.0008	mg/L	0.00115	0.0008	mg/L	0.00115	137.49%
Tin,7440-31-5†	-77.4	-0.0074	mg/L	0.00044	-0.0074	mg/L	0.00044	5.98%
Titanium,7440-32-6†	21.4	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	110.25%
Vanadium,7440-62-2†	1.2	0.0000	mg/L	0.00043	0.0000	mg/L	0.00043	974.07%
Zinc,7440-66-6†	25120.4	0.1314	mg/L	0.00029	0.1314	mg/L	0.00029	0.22%
Zirconium,7440-67-7†	-1526.6	-0.0035	mg/L	0.00018	-0.0035	mg/L	0.00018	5.25%

Sequence No.: 75

Autosampler Location: 70

Sample ID: 20608045508
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Date Collected: 8/8/2006 9:45:05 PM
Data Type: Reprocessed on 8/9/2006 8:16:29 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045508

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79318.8	93.645	%	0.2996				0.32%
Ar 420.067 R	900861.5	96.919	%	0.1663				0.17%
Scandium-IS	2743723.4	98.321	%	0.0615				0.06%
Yttrium,7440-65-5A	1464521.4	97.022	%	0.0760				0.08%
Yttrium,7440-65-5R	73067.7	101.12	%	1.063				1.05%
Aluminum,7429-90-5†	55.6	0.107	mg/L	0.0028	0.107	mg/L	0.0028	2.63%
Antimony,7440-36-0†	-1.0	-0.0003	mg/L	0.00174	-0.0003	mg/L	0.00174	591.19%
Arsenic,7440-38-2†	-2.9	-0.0010	mg/L	0.00094	-0.0010	mg/L	0.00094	98.03%
Barium,7440-39-3†	1822.9	0.0102	mg/L	0.00006	0.0102	mg/L	0.00006	0.60%
Beryllium,7440-41-7†	85.9	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	66.36%
Boron,7440-42-8†	2814.2	0.0431	mg/L	0.00061	0.0431	mg/L	0.00061	1.41%
Cadmium,7440-43-9†	-207.3	-0.0008	mg/L	0.00005	-0.0008	mg/L	0.00005	5.98%
Calcium,7440-70-2†	22298.8	16.01	mg/L	0.229	16.01	mg/L	0.229	1.43%
Chromium,7440-47-3†	58.2	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	24.25%
Cobalt,7440-48-4†	21.0	0.0004	mg/L	0.00022	0.0004	mg/L	0.00022	56.35%
Copper,7440-50-8†	16662.8	0.0447	mg/L	0.00038	0.0447	mg/L	0.00038	0.84%
Iron,7439-89-6†	10.8	0.0112	mg/L	0.00109	0.0112	mg/L	0.00109	9.73%
Lead,7439-92-1†	21.0	0.0019	mg/L	0.00109	0.0019	mg/L	0.00109	57.86%
Lithium,7439-93-2†	-188.9	-0.0038	mg/L	0.00065	-0.0038	mg/L	0.00065	17.03%
Magnesium,7439-95-4†	158.2	0.7620	mg/L	0.03899	0.7620	mg/L	0.03899	5.12%
Manganese,7439-96-5†	303.6	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	4.87%
Molybdenum,7439-98-7†	40.4	0.0013	mg/L	0.00034	0.0013	mg/L	0.00034	25.49%
Nickel,7440-02-0†	-6.3	-0.0001	mg/L	0.00023	-0.0001	mg/L	0.00023	195.34%
Potassium,7440-09-7†	7899.5	3.8069	mg/L	0.04084	3.8069	mg/L	0.04084	1.07%
Selenium,7782-49-2†	1.5	0.0012	mg/L	0.00518	0.0012	mg/L	0.00518	447.96%
Silicon,7440-21-3†	1236.9	2.2863	mg/L	0.00168	2.2863	mg/L	0.00168	0.07%
Silver,7440-22-4†	-26.3	-0.0001	mg/L	0.00028	-0.0001	mg/L	0.00028	267.66%
Sodium,7440-23-5†	98778.5	27.512	mg/L	0.2322	27.512	mg/L	0.2322	0.84%
Strontium,7440-24-6†	27730.8	0.0863	mg/L	0.00107	0.0863	mg/L	0.00107	1.23%
Thallium,7440-28-0†	5.9	0.0009	mg/L	0.00242	0.0009	mg/L	0.00242	269.56%
Tin,7440-31-5†	-79.5	-0.0077	mg/L	0.00048	-0.0077	mg/L	0.00048	6.27%
Titanium,7440-32-6†	30.9	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	223.13%
Vanadium,7440-62-2†	19.9	0.0002	mg/L	0.00056	0.0002	mg/L	0.00056	256.92%
Zinc,7440-66-6†	2016.0	0.0102	mg/L	0.00015	0.0102	mg/L	0.00015	1.49%
Zirconium,7440-67-7†	-1442.6	-0.0033	mg/L	0.00015	-0.0033	mg/L	0.00015	4.51%

Sequence No.: 76
Sample ID: 20608045509
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 71
Date Collected: 8/8/2006 9:51:53 PM
Data Type: Reprocessed on 8/9/2006 8:16:30 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608045509

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79314.4	93.640	%	0.0866				0.09%
Ar 420.067 R	904353.5	97.294	%	0.2295				0.24%
Scandium-IS	2750401.5	98.560	%	0.3906				0.40%
Yttrium,7440-65-5A	1468591.9	97.291	%	0.3307				0.34%
Yttrium,7440-65-5R	72601.1	100.48	%	1.219				1.21%
Aluminum,7429-90-5†	44.5	0.086	mg/L	0.0174	0.086	mg/L	0.0174	20.23%
Antimony,7440-36-0†	2.4	0.0008	mg/L	0.00086	0.0008	mg/L	0.00086	105.38%
Arsenic,7440-38-2†	-4.2	-0.0014	mg/L	0.00102	-0.0014	mg/L	0.00102	73.90%
Barium,7440-39-3†	1735.3	0.0097	mg/L	0.00008	0.0097	mg/L	0.00008	0.81%
Beryllium,7440-41-7†	35.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	191.48%
Boron,7440-42-8†	2728.7	0.0418	mg/L	0.00062	0.0418	mg/L	0.00062	1.49%
Cadmium,7440-43-9†	-198.9	-0.0008	mg/L	0.00003	-0.0008	mg/L	0.00003	3.55%
Calcium,7440-70-2†	21775.8	15.64	mg/L	0.147	15.64	mg/L	0.147	0.94%

Chromium,7440-47-3†	14.2	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	113.67%
Cobalt,7440-48-4†	21.2	0.0004 mg/L	0.00035	0.0004 mg/L	0.00035	88.86%
Copper,7440-50-8†	15981.8	0.0429 mg/L	0.00026	0.0429 mg/L	0.00026	0.61%
Iron,7439-89-6†	17.0	0.0176 mg/L	0.00271	0.0176 mg/L	0.00271	15.41%
Lead,7439-92-1†	12.9	0.0012 mg/L	0.00059	0.0012 mg/L	0.00059	49.80%
Lithium,7439-93-2†	-241.4	-0.0049 mg/L	0.00025	-0.0049 mg/L	0.00025	5.13%
Magnesium,7439-95-4†	143.9	0.6930 mg/L	0.01671	0.6930 mg/L	0.01671	2.41%
Manganese,7439-96-5†	556.3	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	4.45%
Molybdenum,7439-98-7†	26.0	0.0008 mg/L	0.00027	0.0008 mg/L	0.00027	32.22%
Nickel,7440-02-0†	12.4	0.0002 mg/L	0.00029	0.0002 mg/L	0.00029	124.95%
Potassium,7440-09-7†	7605.3	3.6651 mg/L	0.06341	3.6651 mg/L	0.06341	1.73%
Selenium,7782-49-2†	7.5	0.0044 mg/L	0.00439	0.0044 mg/L	0.00439	99.39%
Silicon,7440-21-3†	1154.4	2.1339 mg/L	0.01928	2.1339 mg/L	0.01928	0.90%
Silver,7440-22-4†	27.2	0.0001 mg/L	0.00017	0.0001 mg/L	0.00017	228.84%
Sodium,7440-23-5†	96372.3	26.841 mg/L	0.1874	26.841 mg/L	0.1874	0.70%
Strontium,7440-24-6†	27026.2	0.0841 mg/L	0.00086	0.0841 mg/L	0.00086	1.03%
Thallium,7440-28-0†	3.0	0.0004 mg/L	0.00141	0.0004 mg/L	0.00141	330.90%
Tin,7440-31-5†	-72.2	-0.0069 mg/L	0.00026	-0.0069 mg/L	0.00026	3.71%
Titanium,7440-32-6†	-36.4	-0.0001 mg/L	0.00008	-0.0001 mg/L	0.00008	112.54%
Vanadium,7440-62-2†	-15.4	-0.0001 mg/L	0.00045	-0.0001 mg/L	0.00045	413.09%
Zinc,7440-66-6†	567.3	0.0026 mg/L	0.00003	0.0026 mg/L	0.00003	1.05%
Zirconium,7440-67-7†	-1346.7	-0.0031 mg/L	0.00011	-0.0031 mg/L	0.00011	3.52%

Sequence No.: 77
Sample ID: 20608071001
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 72
Date Collected: 8/8/2006 9:58:42 PM
Data Type: Reprocessed on 8/9/2006 8:16:31 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608071001

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	78090.7	92.196	%	0.2676				0.29%
Ar 420.067 R	896389.5	96.437	%	0.2011				0.21%
Scandium-IS	2573760.5	92.230	%	0.4219				0.46%
Yttrium,7440-65-5A	1353745.6	89.683	%	0.4263				0.48%
Yttrium,7440-65-5R	68446.2	94.729	%	0.9753				1.03%
Aluminum,7429-90-5†	124.1	0.259	mg/L	0.0244	0.259	mg/L	0.0244	9.44%
Antimony,7440-36-0†	7.9	0.0026	mg/L	0.00081	0.0026	mg/L	0.00081	31.61%
Arsenic,7440-38-2†	-76.0	-0.0221	mg/L	0.00278	-0.0221	mg/L	0.00278	12.58%
Barium,7440-39-3†	2638.2	0.0141	mg/L	0.00015	0.0141	mg/L	0.00015	1.06%
Beryllium,7440-41-7†	284.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	18.06%
Boron,7440-42-8†	42154.3	0.6490	mg/L	0.00794	0.6490	mg/L	0.00794	1.22%
Cadmium,7440-43-9†	-929.6	-0.0038	mg/L	0.00008	-0.0038	mg/L	0.00008	2.07%
Calcium,7440-70-2†	14895.5	10.70	mg/L	0.087	10.70	mg/L	0.087	0.81%
Chromium,7440-47-3†	-878.5	-0.0039	mg/L	0.00033	-0.0039	mg/L	0.00033	8.39%
Cobalt,7440-48-4†	2724.6	0.0505	mg/L	0.00058	0.0505	mg/L	0.00058	1.15%
Copper,7440-50-8†	936.4	0.0019	mg/L	0.00026	0.0019	mg/L	0.00026	13.93%
Iron,7439-89-6†	117.4	0.1201	mg/L	0.00387	0.1201	mg/L	0.00387	3.22%
Lead,7439-92-1†	12.3	0.0012	mg/L	0.00111	0.0012	mg/L	0.00111	92.47%
Lithium,7439-93-2†	315.0	0.0064	mg/L	0.00105	0.0064	mg/L	0.00105	16.43%
Magnesium,7439-95-4†	339.1	1.6322	mg/L	0.03121	1.6322	mg/L	0.03121	1.91%
Manganese,7439-96-5†	25962.4	0.0320	mg/L	0.00032	0.0320	mg/L	0.00032	1.01%
Molybdenum,7439-98-7†	287.7	0.0096	mg/L	0.00069	0.0096	mg/L	0.00069	7.21%
Nickel,7440-02-0†	1339.1	0.0251	mg/L	0.00051	0.0251	mg/L	0.00051	2.05%
Potassium,7440-09-7†	6290.5	3.0312	mg/L	0.05029	3.0312	mg/L	0.05029	1.66%
Selenium,7782-49-2†	7.4	0.0065	mg/L	0.00311	0.0065	mg/L	0.00311	47.99%
Silicon,7440-21-3†	4845.0	8.9558	mg/L	0.09580	8.9558	mg/L	0.09580	1.07%
Silver,7440-22-4†	-4296.9	-0.0133	mg/L	0.00014	-0.0133	mg/L	0.00014	1.03%
Sodium,7440-23-5†	2941718.5	819.32	mg/L	3.798	819.32	mg/L	3.798	0.46%
Strontium,7440-24-6†	25111.2	0.0782	mg/L	0.00056	0.0782	mg/L	0.00056	0.71%
Thallium,7440-28-0†	7.8	0.0055	mg/L	0.00096	0.0055	mg/L	0.00096	17.41%
Tin,7440-31-5†	-63.5	-0.0061	mg/L	0.00070	-0.0061	mg/L	0.00070	11.36%
Titanium,7440-32-6†	1290.1	0.0024	mg/L	0.00073	0.0024	mg/L	0.00073	31.14%
Vanadium,7440-62-2†	116315.9	1.0686	mg/L	0.01258	1.0686	mg/L	0.01258	1.18%
Zinc,7440-66-6†	2432.9	0.0123	mg/L	0.00007	0.0123	mg/L	0.00007	0.58%
Zirconium,7440-67-7†	-1110.0	-0.0026	mg/L	0.00024	-0.0026	mg/L	0.00024	9.25%

Sequence No.: 78
Sample ID: 20608071002
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 73
Date Collected: 8/8/2006 10:05:35 PM
Data Type: Reprocessed on 8/9/2006 8:16:33 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608071002

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	75786.9	89.476	%	0.1189				0.13%
Ar 420.067 R	836247.4	89.967	%	0.1760				0.20%
Scandium-IS	2349571.5	84.197	%	0.3651				0.43%
Yttrium,7440-65-5A	1223398.0	81.048	%	0.3626				0.45%
Yttrium,7440-65-5R	64257.5	88.932	%	1.4789				1.66%
Aluminum,7429-90-5†	294.1	0.568	mg/L	0.0239	0.568	mg/L	0.0239	4.20%
Antimony,7440-36-0†	4.6	0.0015	mg/L	0.00236	0.0015	mg/L	0.00236	161.48%
Arsenic,7440-38-2†	11.4	0.0040	mg/L	0.00165	0.0040	mg/L	0.00165	41.35%
Barium,7440-39-3†	6536.6	0.0368	mg/L	0.00042	0.0368	mg/L	0.00042	1.15%
Beryllium,7440-41-7†	426.7	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	5.46%
Boron,7440-42-8†	8103.1	0.1254	mg/L	0.00166	0.1254	mg/L	0.00166	1.32%
Cadmium,7440-43-9†	-703.2	-0.0029	mg/L	0.00009	-0.0029	mg/L	0.00009	3.20%
Calcium,7440-70-2†	17271.9	12.40	mg/L	0.189	12.40	mg/L	0.189	1.52%
Chromium,7440-47-3†	870.1	0.0052	mg/L	0.00005	0.0052	mg/L	0.00005	1.06%
Cobalt,7440-48-4†	-26.1	-0.0005	mg/L	0.00003	-0.0005	mg/L	0.00003	4.75%
Copper,7440-50-8†	33594.2	0.0914	mg/L	0.00062	0.0914	mg/L	0.00062	0.68%
Iron,7439-89-6†	1236.5	1.2642	mg/L	0.01573	1.2642	mg/L	0.01573	1.24%
Lead,7439-92-1†	396.9	0.0346	mg/L	0.00055	0.0346	mg/L	0.00055	1.58%
Lithium,7439-93-2†	432.0	0.0087	mg/L	0.00156	0.0087	mg/L	0.00156	17.85%
Magnesium,7439-95-4†	242.8	1.1697	mg/L	0.06459	1.1697	mg/L	0.06459	5.52%
Manganese,7439-96-5†	20190.0	0.0248	mg/L	0.00013	0.0248	mg/L	0.00013	0.51%
Molybdenum,7439-98-7†	152.7	0.0052	mg/L	0.00082	0.0052	mg/L	0.00082	15.95%
Nickel,7440-02-0†	644.6	0.0121	mg/L	0.00029	0.0121	mg/L	0.00029	2.37%
Potassium,7440-09-7†	22543.8	10.869	mg/L	0.2985	10.869	mg/L	0.2985	2.75%
Selenium,7782-49-2†	-4.7	-0.0016	mg/L	0.00234	-0.0016	mg/L	0.00234	146.23%
Silicon,7440-21-3†	3856.8	7.1318	mg/L	0.07142	7.1318	mg/L	0.07142	1.00%
Silver,7440-22-4†	-187.1	-0.0004	mg/L	0.00031	-0.0004	mg/L	0.00031	82.55%
Sodium,7440-23-5†	8790421.2	2448.3	mg/L	40.44	2448.3	mg/L	40.44	1.65%
Strontium,7440-24-6†	42746.4	0.1333	mg/L	0.00178	0.1333	mg/L	0.00178	1.33%
Thallium,7440-28-0†	-6.3	-0.0009	mg/L	0.00155	-0.0009	mg/L	0.00155	168.94%
Tin,7440-31-5†	-45.7	-0.0043	mg/L	0.00021	-0.0043	mg/L	0.00021	4.76%
Titanium,7440-32-6†	4726.6	0.0088	mg/L	0.00148	0.0088	mg/L	0.00148	16.83%
Vanadium,7440-62-2†	712.2	0.0065	mg/L	0.00061	0.0065	mg/L	0.00061	9.33%
Zinc,7440-66-6†	24077.9	0.1259	mg/L	0.00069	0.1259	mg/L	0.00069	0.54%
Zirconium,7440-67-7†	-1310.2	-0.0030	mg/L	0.00019	-0.0030	mg/L	0.00019	6.33%

Sequence No.: 79
Sample ID: 20608071003
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 74
Date Collected: 8/8/2006 10:12:47 PM
Data Type: Reprocessed on 8/9/2006 8:16:34 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608071003

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	78761.2	92.987	%	0.0547				0.06%
Ar 420.067 R	886176.8	95.339	%	0.0724				0.08%
Scandium-IS	2684790.0	96.209	%	0.6433				0.67%
Yttrium,7440-65-5A	1415932.6	93.803	%	0.6282				0.67%
Yttrium,7440-65-5R	71036.9	98.314	%	2.0309				2.07%
Aluminum,7429-90-5†	11083.0	21.50	mg/L	0.399	21.50	mg/L	0.399	1.86%
Antimony,7440-36-0†	2.1	0.0010	mg/L	0.00407	0.0010	mg/L	0.00407	408.63%
Arsenic,7440-38-2†	-448.9	-0.1318	mg/L	0.00403	-0.1318	mg/L	0.00403	3.05%
Barium,7440-39-3†	2283.7	0.0098	mg/L	0.00016	0.0098	mg/L	0.00016	1.62%
Beryllium,7440-41-7†	612.9	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	369.63%
Boron,7440-42-8†	42773.6	0.6608	mg/L	0.00057	0.6608	mg/L	0.00057	0.09%

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Cadmium,7440-43-9†	-831.3	-0.0033 mg/L	0.00013	-0.0033 mg/L	0.00013	3.89%
Calcium,7440-70-2†	8800.7	6.318 mg/L	0.1497	6.318 mg/L	0.1497	2.37%
Chromium,7440-47-3†	-3692.6	-0.0190 mg/L	0.00044	-0.0190 mg/L	0.00044	2.29%
Cobalt,7440-48-4†	5379.1	0.0994 mg/L	0.00036	0.0994 mg/L	0.00036	0.36%
Copper,7440-50-8†	2742.2	0.0070 mg/L	0.00013	0.0070 mg/L	0.00013	1.83%
Iron,7439-89-6†	294.2	0.2984 mg/L	0.00672	0.2984 mg/L	0.00672	2.25%
Lead,7439-92-1†	-8.6	0.0014 mg/L	0.00020	0.0014 mg/L	0.00020	13.96%
Lithium,7439-93-2†	64.8	0.0014 mg/L	0.00165	0.0014 mg/L	0.00165	121.92%
Magnesium,7439-95-4†	160.3	0.7710 mg/L	0.03001	0.7710 mg/L	0.03001	3.89%
Manganese,7439-96-5†	9101.7	0.0120 mg/L	0.00014	0.0120 mg/L	0.00014	1.20%
Molybdenum,7439-98-7†	208.7	0.0066 mg/L	0.00016	0.0066 mg/L	0.00016	2.46%
Nickel,7440-02-0†	805.3	0.0149 mg/L	0.00060	0.0149 mg/L	0.00060	4.04%
Potassium,7440-09-7†	4922.6	2.3716 mg/L	0.05419	2.3716 mg/L	0.05419	2.28%
Selenium,7782-49-2†	9.7	0.0147 mg/L	0.00195	0.0147 mg/L	0.00195	13.31%
Silicon,7440-21-3†	3777.7	6.9818 mg/L	0.07683	6.9818 mg/L	0.07683	1.10%
Silver,7440-22-4†	-18486.4	-0.0574 mg/L	0.00042	-0.0574 mg/L	0.00042	0.72%
Sodium,7440-23-5†	1735912.1	483.48 mg/L	8.883	483.48 mg/L	8.883	1.84%
Strontium,7440-24-6†	23414.4	0.0730 mg/L	0.00117	0.0730 mg/L	0.00117	1.60%
Thallium,7440-28-0†	-11.2	0.0167 mg/L	0.00115	0.0167 mg/L	0.00115	6.87%
Tin,7440-31-5†	-27.9	-0.0030 mg/L	0.00021	-0.0030 mg/L	0.00021	7.23%
Titanium,7440-32-6†	14611.6	0.0270 mg/L	0.00096	0.0270 mg/L	0.00096	3.56%
Vanadium,7440-62-2†	500512.1	4.5983 mg/L	0.01098	4.5983 mg/L	0.01098	0.24%
Zinc,7440-66-6†	15764.0	0.0823 mg/L	0.00039	0.0823 mg/L	0.00039	0.48%
Zirconium,7440-67-7†	-726.1	-0.0016 mg/L	0.00012	-0.0016 mg/L	0.00012	7.04%

Sequence No.: 80
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 75
Date Collected: 8/8/2006 10:19:27 PM
Data Type: Reprocessed on 8/9/2006 8:16:36 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	80534.5	95.081	%	0.5796				0.61%
Ar 420.067 R	910454.4	97.951	%	0.1015				0.10%
Scandium-IS	2792275.7	100.06	%	0.939				0.94%
Yttrium,7440-65-5A	1517345.0	100.52	%	0.935				0.93%
Yttrium,7440-65-5R	74749.4	103.45	%	1.171				1.13%
Aluminum,7429-90-5†	-5.1	-0.010	mg/L	0.0100	-0.010	mg/L	0.0100	102.29%
Antimony,7440-36-0†	5.1	0.0017	mg/L	0.00153	0.0017	mg/L	0.00153	92.45%
Arsenic,7440-38-2†	2.8	0.0009	mg/L	0.00239	0.0009	mg/L	0.00239	262.17%
Barium,7440-39-3†	-13.8	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	92.12%
Beryllium,7440-41-7†	85.6	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	143.65%
Boron,7440-42-8†	222.9	0.0034	mg/L	0.00047	0.0034	mg/L	0.00047	13.81%
Cadmium,7440-43-9†	29.1	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	68.58%
Calcium,7440-70-2†	3.7	0.003	mg/L	0.0014	0.003	mg/L	0.0014	50.88%
Chromium,7440-47-3†	-50.7	-0.0003	mg/L	0.00017	-0.0003	mg/L	0.00017	54.97%
Cobalt,7440-48-4†	24.8	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	42.91%
Copper,7440-50-8†	27.8	0.0001	mg/L	0.00029	0.0001	mg/L	0.00029	380.55%
Iron,7439-89-6†	0.1	0.0001	mg/L	0.00385	0.0001	mg/L	0.00385	>999.9%
Lead,7439-92-1†	10.3	0.0009	mg/L	0.00043	0.0009	mg/L	0.00043	47.89%
Lithium,7439-93-2†	-380.6	-0.0077	mg/L	0.00058	-0.0077	mg/L	0.00058	7.53%
Magnesium,7439-95-4†	2.8	0.0137	mg/L	0.02006	0.0137	mg/L	0.02006	146.74%
Manganese,7439-96-5†	-185.0	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004	16.01%
Molybdenum,7439-98-7†	-6.1	-0.0002	mg/L	0.00040	-0.0002	mg/L	0.00040	194.32%
Nickel,7440-02-0†	14.7	0.0003	mg/L	0.00037	0.0003	mg/L	0.00037	132.53%
Potassium,7440-09-7†	588.2	0.2837	mg/L	0.01728	0.2837	mg/L	0.01728	6.09%
Selenium,7782-49-2†	14.0	0.0077	mg/L	0.00274	0.0077	mg/L	0.00274	35.64%
Silicon,7440-21-3†	-3.5	-0.0065	mg/L	0.00524	-0.0065	mg/L	0.00524	80.48%
Silver,7440-22-4†	-14.5	0.0000	mg/L	0.00011	0.0000	mg/L	0.00011	221.26%
Sodium,7440-23-5†	12744.3	3.5495	mg/L	0.08141	3.5495	mg/L	0.08141	2.29%
Strontium,7440-24-6†	-16.5	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	167.89%
Thallium,7440-28-0†	9.5	0.0015	mg/L	0.00008	0.0015	mg/L	0.00008	5.12%
Tin,7440-31-5†	-24.5	-0.0025	mg/L	0.00032	-0.0025	mg/L	0.00032	13.02%
Titanium,7440-32-6†	-46.8	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	126.72%
Vanadium,7440-62-2†	-80.6	-0.0007	mg/L	0.00034	-0.0007	mg/L	0.00034	46.52%
Zinc,7440-66-6†	-80.9	-0.0004	mg/L	0.00007	-0.0004	mg/L	0.00007	16.93%

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Zirconium,7440-67-7†	-363.8	-0.0009	mg/L	0.00018	-0.0009	mg/L	0.00018 20.45%

Sequence No.: 81 **Autosampler Location: 76**
Sample ID: --- **Date Collected: 8/8/2006 10:26:13 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:37 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	80671.3	95.242	%	0.1535				0.16%
Ar 420.067 R	911324.3	98.044	%	0.2078				0.21%
Scandium-IS	2787201.6	99.879	%	0.3312				0.33%
Yttrium,7440-65-5A	1517400.4	100.52	%	0.556				0.55%
Yttrium,7440-65-5R	72424.4	100.23	%	1.980				1.98%
Aluminum,7429-90-5†	-0.6	-0.001	mg/L	0.0037	-0.001	mg/L	0.0037	312.35%
Antimony,7440-36-0†	0.0	0.0000	mg/L	0.00107	0.0000	mg/L	0.00107	>999.9%
Arsenic,7440-38-2†	2.9	0.0009	mg/L	0.00089	0.0009	mg/L	0.00089	94.24%
Barium,7440-39-3†	-19.0	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	47.30%
Beryllium,7440-41-7†	-12.3	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	667.25%
Boron,7440-42-8†	17.7	0.0003	mg/L	0.00023	0.0003	mg/L	0.00023	85.36%
Cadmium,7440-43-9†	24.7	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	51.63%
Calcium,7440-70-2†	-6.5	-0.005	mg/L	0.0053	-0.005	mg/L	0.0053	112.93%
Chromium,7440-47-3†	-56.9	-0.0003	mg/L	0.00015	-0.0003	mg/L	0.00015	44.42%
Cobalt,7440-48-4†	20.3	0.0004	mg/L	0.00017	0.0004	mg/L	0.00017	45.37%
Copper,7440-50-8†	-30.9	-0.0001	mg/L	0.00033	-0.0001	mg/L	0.00033	394.28%
Iron,7439-89-6†	-2.7	-0.0028	mg/L	0.00198	-0.0028	mg/L	0.00198	70.78%
Lead,7439-92-1†	12.3	0.0011	mg/L	0.00065	0.0011	mg/L	0.00065	60.08%
Lithium,7439-93-2†	-389.4	-0.0079	mg/L	0.00042	-0.0079	mg/L	0.00042	5.36%
Magnesium,7439-95-4†	-0.7	-0.0033	mg/L	0.01310	-0.0033	mg/L	0.01310	392.59%
Manganese,7439-96-5†	-224.1	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	11.15%
Molybdenum,7439-98-7†	-12.6	-0.0004	mg/L	0.00029	-0.0004	mg/L	0.00029	66.74%
Nickel,7440-02-0†	2.5	0.0000	mg/L	0.00041	0.0000	mg/L	0.00041	880.71%
Potassium,7440-09-7†	622.9	0.3004	mg/L	0.03840	0.3004	mg/L	0.03840	12.78%
Selenium,7782-49-2†	17.4	0.0096	mg/L	0.00184	0.0096	mg/L	0.00184	19.15%
Silicon,7440-21-3†	-4.5	-0.0082	mg/L	0.00992	-0.0082	mg/L	0.00992	120.54%
Silver,7440-22-4†	-13.0	0.0000	mg/L	0.00053	0.0000	mg/L	0.00053	>999.9%
Sodium,7440-23-5†	10863.0	3.0255	mg/L	0.06548	3.0255	mg/L	0.06548	2.16%
Strontium,7440-24-6†	12.1	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	213.49%
Thallium,7440-28-0†	5.9	0.0009	mg/L	0.00162	0.0009	mg/L	0.00162	171.54%
Tin,7440-31-5†	-34.5	-0.0035	mg/L	0.00021	-0.0035	mg/L	0.00021	5.93%
Titanium,7440-32-6†	-16.9	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	221.60%
Vanadium,7440-62-2†	-101.6	-0.0009	mg/L	0.00036	-0.0009	mg/L	0.00036	38.69%
Zinc,7440-66-6†	-101.4	-0.0005	mg/L	0.00012	-0.0005	mg/L	0.00012	23.45%
Zirconium,7440-67-7†	-300.4	-0.0007	mg/L	0.00010	-0.0007	mg/L	0.00010	14.29%

Sequence No.: 82 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/8/2006 10:32:59 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:38 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	77870.2	91.935	%	0.4571				0.50%
Ar 420.067 R	893541.2	96.131	%	0.0677				0.07%
Scandium-IS	2700276.1	96.764	%	0.9650				1.00%
Yttrium,7440-65-5A	1443502.6	95.629	%	0.8509				0.89%
Yttrium,7440-65-5R	69896.2	96.736	%	1.4777				1.53%
Aluminum,7429-90-5†	2616.6	5.064	mg/L	0.0318	5.064	mg/L	0.0318	0.63%
QC value within limits for Aluminum,7429-90-5				Recovery = 101.29%				
Antimony,7440-36-0†	1528.5	0.4961	mg/L	0.00679	0.4961	mg/L	0.00679	1.37%
QC value within limits for Antimony,7440-36-0				Recovery = 99.22%				

Arsenic,7440-38-2†	1442.3	0.4713 mg/L	0.00095	0.4713 mg/L	0.00095	0.20%
QC value within limits for Arsenic,7440-38-2 Recovery = 94.27%						
Barium,7440-39-3†	86487.0	0.4868 mg/L	0.00070	0.4868 mg/L	0.00070	0.14%
QC value within limits for Barium,7440-39-3 Recovery = 97.36%						
Beryllium,7440-41-7†	1977822.4	0.4886 mg/L	0.00071	0.4886 mg/L	0.00071	0.14%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.72%						
Boron,7440-42-8†	154694.4	2.3818 mg/L	0.01192	2.3818 mg/L	0.01192	0.50%
QC value within limits for Boron,7440-42-8 Recovery = 95.27%						
Cadmium,7440-43-9†	116610.1	0.4720 mg/L	0.00148	0.4720 mg/L	0.00148	0.31%
QC value within limits for Cadmium,7440-43-9 Recovery = 94.40%						
Calcium,7440-70-2†	6812.6	4.889 mg/L	0.0358	4.889 mg/L	0.0358	0.73%
QC value within limits for Calcium,7440-70-2 Recovery = 97.79%						
Chromium,7440-47-3†	81521.4	0.4903 mg/L	0.00020	0.4903 mg/L	0.00020	0.04%
QC value within limits for Chromium,7440-47-3 Recovery = 98.07%						
Cobalt,7440-48-4†	26186.7	0.4837 mg/L	0.00374	0.4837 mg/L	0.00374	0.77%
QC value within limits for Cobalt,7440-48-4 Recovery = 96.75%						
Copper,7440-50-8†	180017.6	0.4932 mg/L	0.00085	0.4932 mg/L	0.00085	0.17%
QC value within limits for Copper,7440-50-8 Recovery = 98.64%						
Iron,7439-89-6†	4778.1	4.8849 mg/L	0.03655	4.8849 mg/L	0.03655	0.75%
QC value within limits for Iron,7439-89-6 Recovery = 97.70%						
Lead,7439-92-1†	5467.1	0.4766 mg/L	0.00226	0.4766 mg/L	0.00226	0.47%
QC value within limits for Lead,7439-92-1 Recovery = 95.32%						
Lithium,7439-93-2†	24808.1	0.5002 mg/L	0.00612	0.5002 mg/L	0.00612	1.22%
QC value within limits for Lithium,7439-93-2 Recovery = 100.04%						
Magnesium,7439-95-4†	1017.8	4.9035 mg/L	0.03189	4.9035 mg/L	0.03189	0.65%
QC value within limits for Magnesium,7439-95-4 Recovery = 98.07%						
Manganese,7439-96-5†	400520.5	0.4906 mg/L	0.00131	0.4906 mg/L	0.00131	0.27%
QC value within limits for Manganese,7439-96-5 Recovery = 98.11%						
Molybdenum,7439-98-7†	14312.3	0.4861 mg/L	0.00397	0.4861 mg/L	0.00397	0.82%
QC value within limits for Molybdenum,7439-98-7 Recovery = 97.22%						
Nickel,7440-02-0†	25793.1	0.4842 mg/L	0.00390	0.4842 mg/L	0.00390	0.81%
QC value within limits for Nickel,7440-02-0 Recovery = 96.83%						
Potassium,7440-09-7†	20714.3	9.9809 mg/L	0.13064	9.9809 mg/L	0.13064	1.31%
QC value within limits for Potassium,7440-09-7 Recovery = 99.81%						
Selenium,7782-49-2†	887.0	0.4914 mg/L	0.00146	0.4914 mg/L	0.00146	0.30%
QC value within limits for Selenium,7782-49-2 Recovery = 98.27%						
Silicon,7440-21-3†	256.5	0.4821 mg/L	0.00544	0.4821 mg/L	0.00544	1.13%
QC value within limits for Silicon,7440-21-3 Recovery = 96.42%						
Silver,7440-22-4†	148675.4	0.4982 mg/L	0.00040	0.4982 mg/L	0.00040	0.08%
QC value within limits for Silver,7440-22-4 Recovery = 99.64%						
Sodium,7440-23-5†	71585.9	19.938 mg/L	0.1962	19.938 mg/L	0.1962	0.98%
QC value within limits for Sodium,7440-23-5 Recovery = 99.69%						
Strontium,7440-24-6†	164579.1	0.5141 mg/L	0.00305	0.5141 mg/L	0.00305	0.59%
QC value within limits for Strontium,7440-24-6 Recovery = 102.82%						
Thallium,7440-28-0†	2961.6	0.4795 mg/L	0.00312	0.4795 mg/L	0.00312	0.65%
QC value within limits for Thallium,7440-28-0 Recovery = 95.90%						
Tin,7440-31-5†	4638.9	0.4711 mg/L	0.00293	0.4711 mg/L	0.00293	0.62%
QC value within limits for Tin,7440-31-5 Recovery = 94.22%						
Titanium,7440-32-6†	269140.3	0.5003 mg/L	0.00084	0.5003 mg/L	0.00084	0.17%
QC value within limits for Titanium,7440-32-6 Recovery = 100.06%						
Vanadium,7440-62-2†	52448.9	0.4817 mg/L	0.00062	0.4817 mg/L	0.00062	0.13%
QC value within limits for Vanadium,7440-62-2 Recovery = 96.33%						
Zinc,7440-66-6†	93631.1	0.4868 mg/L	0.00109	0.4868 mg/L	0.00109	0.22%
QC value within limits for Zinc,7440-66-6 Recovery = 97.35%						
Zirconium,7440-67-7†	207215.9	0.4940 mg/L	0.00101	0.4940 mg/L	0.00101	0.20%
QC value within limits for Zirconium,7440-67-7 Recovery = 98.80%						

All analyte(s) passed QC.

Sequence No.: 83 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/8/2006 10:39:39 PM**
Analyst: **Data Type: Reprocessed on 8/9/2006 8:16:40 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	78296.3	92.438	%	0.3318				0.36%

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Ar 420.067 R	899424.5	96.764 %	0.2913				0.30%
Scandium-IS	2720992.8	97.507 %	1.0358				1.06%
Yttrium,7440-65-5A	1480842.8	98.103 %	0.9776				1.00%
Yttrium,7440-65-5R	71311.8	98.695 %	1.6289				1.65%
Aluminum,7429-90-5†	-1.2	-0.002 mg/L	0.0086	-0.002 mg/L	0.0086	353.72%	
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated							
Antimony,7440-36-0†	8.2	0.0027 mg/L	0.00244	0.0027 mg/L	0.00244	92.00%	
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated							
Arsenic,7440-38-2†	-1.9	-0.0006 mg/L	0.00094	-0.0006 mg/L	0.00094	149.36%	
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated							
Barium,7440-39-3†	4.6	0.0000 mg/L	0.00005	0.0000 mg/L	0.00005	189.92%	
QC value within limits for Barium,7440-39-3 Recovery = Not calculated							
Beryllium,7440-41-7†	195.4	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	33.69%	
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated							
Boron,7440-42-8†	1375.9	0.0212 mg/L	0.00212	0.0212 mg/L	0.00212	10.03%	
QC value within limits for Boron,7440-42-8 Recovery = Not calculated							
Cadmium,7440-43-9†	12.5	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	130.21%	
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated							
Calcium,7440-70-2†	4.5	0.003 mg/L	0.0014	0.003 mg/L	0.0014	43.49%	
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated							
Chromium,7440-47-3†	-43.5	-0.0003 mg/L	0.00013	-0.0003 mg/L	0.00013	48.57%	
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated							
Cobalt,7440-48-4†	19.9	0.0004 mg/L	0.00033	0.0004 mg/L	0.00033	89.70%	
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated							
Copper,7440-50-8†	-63.6	-0.0002 mg/L	0.00013	-0.0002 mg/L	0.00013	77.02%	
QC value within limits for Copper,7440-50-8 Recovery = Not calculated							
Iron,7439-89-6†	2.1	0.0022 mg/L	0.00399	0.0022 mg/L	0.00399	184.28%	
QC value within limits for Iron,7439-89-6 Recovery = Not calculated							
Lead,7439-92-1†	15.7	0.0014 mg/L	0.00067	0.0014 mg/L	0.00067	48.86%	
QC value within limits for Lead,7439-92-1 Recovery = Not calculated							
Lithium,7439-93-2†	-172.3	-0.0035 mg/L	0.00073	-0.0035 mg/L	0.00073	21.13%	
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated							
Magnesium,7439-95-4†	-3.7	-0.0178 mg/L	0.01315	-0.0178 mg/L	0.01315	73.70%	
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated							
Manganese,7439-96-5†	-60.3	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	56.57%	
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated							
Molybdenum,7439-98-7†	0.3	0.0000 mg/L	0.00026	0.0000 mg/L	0.00026	>999.9%	
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated							
Nickel,7440-02-0†	23.3	0.0004 mg/L	0.00013	0.0004 mg/L	0.00013	29.84%	
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated							
Potassium,7440-09-7†	-34.8	-0.0168 mg/L	0.03224	-0.0168 mg/L	0.03224	192.01%	
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated							
Selenium,7782-49-2†	16.6	0.0091 mg/L	0.00315	0.0091 mg/L	0.00315	34.50%	
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated							
Silicon,7440-21-3†	2.2	0.0041 mg/L	0.00461	0.0041 mg/L	0.00461	111.81%	
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated							
Silver,7440-22-4†	-28.6	-0.0001 mg/L	0.00025	-0.0001 mg/L	0.00025	257.90%	
QC value within limits for Silver,7440-22-4 Recovery = Not calculated							
Sodium,7440-23-5†	-442.8	-0.1233 mg/L	0.04699	-0.1233 mg/L	0.04699	38.10%	
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated							
Strontium,7440-24-6†	33.2	0.0001 mg/L	0.00010	0.0001 mg/L	0.00010	98.18%	
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated							
Thallium,7440-28-0†	6.3	0.0010 mg/L	0.00239	0.0010 mg/L	0.00239	237.99%	
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated							
Tin,7440-31-5†	-29.0	-0.0029 mg/L	0.00045	-0.0029 mg/L	0.00045	15.34%	
QC value within limits for Tin,7440-31-5 Recovery = Not calculated							
Titanium,7440-32-6†	128.9	0.0002 mg/L	0.00019	0.0002 mg/L	0.00019	80.59%	
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated							
Vanadium,7440-62-2†	-122.4	-0.0011 mg/L	0.00067	-0.0011 mg/L	0.00067	59.15%	
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated							
Zinc,7440-66-6†	5.5	0.0000 mg/L	0.00006	0.0000 mg/L	0.00006	235.14%	
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated							
Zirconium,7440-67-7†	272.6	0.0006 mg/L	0.00007	0.0006 mg/L	0.00007	10.32%	
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated							

All analyte(s) passed QC.

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ICP ANALYSIS

ICP5

ANALYST: AJW
DATE: 8/9/2006
TIME: 09:17

AS#	SAMPLE ID		Dilution
1	CALIBRATION BLANK		
2	STANDARD 1	160-58-2	
1	✓ICV-1600	160-58-3	
1	✓ICB-1700 F:Si		
3	✓CRDL-2300	160-56-4	
4	✓CRDL-2301	160-56-9	
5	✓ICSA-2000 F:Si	160-58-4	
6	✓ICSAB-2100	160-57-4	
7	✓CCV-1800 F:Si		
1	✓CCB-1900 F:Si		
17	~~160-58-5~~	~~CRDL 2301~~	R/R
18	160-58-5	CRDL 2301	
19		20608050211	
20		20608050212	
21		20608041101	
22		20608040501	
23	398816	MB for HBN 329752 W	
24	398817	LCS for HBN 329752 W	
25	--- 4574 ---	20608050208	
26	398818	20608050208 DUP	
	✓CCV-1800		
	✓CCB-1900		
27	398819	20608050208 MS	
28	399258	20608050208 PDS	
29	399259	20608050208 SD	5 X
30			
31			
32			
33			
34			
35			
36			
	✓CCV-1800		
	✓CCB-1900		
37	~~397835~~	~~MB for HBN 329581 S~~	R/R
38	397836	LCS for HBN 329581 S	
39	--- 4482 ---	20608043101	
40		20608043102 MS	
41		20608043103 MSD	
42	398760	20608043101 PDS	
43	398761	20608043101 SD	5 X
44		20608043104	
45		20608043105	
46		20608043106	

AS#	SAMPLE ID		Dilution
	✓CCV-1800 F:Mg		
	✓CCB-1900		
47	---		
48		20608043107	
49		20608043108	
50	398372	MB for HBN 329658 S	
51	398373	LCS for HBN 329658 S	
52	--- 4482 ---	20608045206	
53		20608045213 MS	
54		20608045214 MSD	
55	398762	20608045206 PDS	
56	398763	20608045206 SD	5 X
	✓CCV-1800 F:Mg		
	✓CCB-1900		
57	397835	MB for HBN 329581 S	
58		20608045201	R/R@2x for Zn
59		20608045202	R/R@2x for Sr
60		20608045203	R/R@2x for Zn
61		20608045204	1
62		20608045205	
63		20608045207	5 X
64		20608045208	
65		20608045209	
66		20608045210	R/R@2x for Zn
	✓CCV-1800 F:Ca,Mg		
	✓CCB-1900		
67		~~20608045215~~	R/R
68	399319	~~MB for HBN 329866 W~~	↓
69	399320	~~LCS for HBN 329866 W~~	↓
70	--- 4482 ---	~~20608042410~~	R/R@5X
71		~~20608042424 MS~~	↓
72		~~20608042425 MSD~~	↓
73	399413	~~20608042410 PDS~~	↓
74	399414	~~20608042410 SD~~	5 X
75		~~20608045201 Zn~~ R/R	2 X
76		~~20608045202 Sr~~ ↓	2 X
7	CCV-1800 F: for all analytes except Cu,Li,Ni,Si,Ag,		
1	CCB-1900	Ti,V,Zr	

ANALYST QC REV: AJW
SECONDARY REV: MAP

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS: 3811, 329836

QC: all acceptable qc noted with a checkmark; failures as indicated.

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ICP5
(Page 2)

ANALYST AJW
DATE 8/9/2006

AS#	SAMPLE ID	Dilution
77	IV ~~20608045203 Zn~~ R/R	2 X
78	IV ~~20608045210 Zn~~ ↓	2 X
79	IV ~~20608045215~~ Data not used	2 X
80	AJW 8-10-06	
81		
82		
83		
84		
85		
86		
	7 CCV-1800F	
	1 CCB-1900	
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
	7 CCV-1800	
	1 CCB-1900	
97		
98		
99		
100		
101		
102		
103		
104		
105		
106		
	7 CCV-1800	
	1 CCB-1900	
107		
108		
109		
110		
111		
112		
113		
114		
115		
116		

AS#	SAMPLE ID	Dilution
	7 CCV-1800	
	1 CCB-1900	
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
	7 CCV-1800	
	1 CCB-1900	
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
	7 CCV-1800	
	1 CCB-1900	
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		

COMMENTS: 3811, 329836

Time

001517

167978

Reprocessing Begun
Logged In Analyst: met Technique: ICP Continuous

Results Data Set (original): 2060809 A
Results Library (original): C:\pe\localbox\Results\Results.mdb
Results Data Set (reprocessed): 3811
Results Library (reprocessed): C:\pe\localbox\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank 1 Date Collected: 8/9/2006 9:17:04 AM
Analyst: Data Type: Reprocessed on 8/10/2006 8:22:52 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Scandium-IS	2893019.1	21866.89	0.76%	100.00	%
Yttrium,7440-65-5A	1581763.4	10178.26	0.64%	100.00	%
Yttrium,7440-65-5R	91551.0	1016.27	1.11%	100.00	%
Ar 420.067 R	1689724.6	9814.79	0.58%	100.00	%
Ar 363.268 A	50077.1	75.20	0.15%	100.00	%
Aluminum,7429-90-5†	-22.7	4.91	21.64%	[0.00]	mg/L
Antimony,7440-36-0†	8.8	15.50	175.78%	[0.00]	mg/L
Arsenic,7440-38-2†	-4.5	4.82	106.56%	[0.00]	mg/L
Barium,7440-39-3†	-209.6	19.59	9.34%	[0.00]	mg/L
Beryllium,7440-41-7†	-5953.1	47.61	0.80%	[0.00]	mg/L
Boron,7440-42-8†	5078.5	18.49	0.36%	[0.00]	mg/L
Cadmium,7440-43-9†	199.1	1.67	0.84%	[0.00]	mg/L
Calcium,7440-70-2†	259.9	15.80	6.08%	[0.00]	mg/L
Chromium,7440-47-3†	625.9	36.63	5.85%	[0.00]	mg/L
Cobalt,7440-48-4†	-88.9	6.35	7.14%	[0.00]	mg/L
Copper,7440-50-8†	3164.9	4.99	0.16%	[0.00]	mg/L
Iron,7439-89-6†	-98.9	4.66	4.71%	[0.00]	mg/L
Lead,7439-92-1†	113.4	24.90	21.95%	[0.00]	mg/L
Lithium,7439-93-2†	-370.3	36.91	9.97%	[0.00]	mg/L
Magnesium,7439-95-4†	-122.3	9.37	7.66%	[0.00]	mg/L
Manganese,7439-96-5†	-290.2	81.53	28.09%	[0.00]	mg/L
Molybdenum,7439-98-7†	-199.7	2.35	1.18%	[0.00]	mg/L
Nickel,7440-02-0†	-60.9	31.00	50.90%	[0.00]	mg/L
Potassium,7440-09-7†	-6248.7	56.63	0.91%	[0.00]	mg/L
Selenium,7782-49-2†	1.7	5.04	291.76%	[0.00]	mg/L
Silicon,7440-21-3†	244.4	2.97	1.21%	[0.00]	mg/L
Silver,7440-22-4†	-118.4	68.81	58.13%	[0.00]	mg/L
Sodium,7440-23-5†	3819.2	166.88	4.37%	[0.00]	mg/L
Strontium,7440-24-6†	-75.9	30.28	39.90%	[0.00]	mg/L
Thallium,7440-28-0†	-43.1	4.39	10.18%	[0.00]	mg/L
Tin,7440-31-5†	27.2	3.99	14.68%	[0.00]	mg/L
Titanium,7440-32-6†	9248.6	143.43	1.55%	[0.00]	mg/L
Vanadium,7440-62-2†	2147.8	20.06	0.93%	[0.00]	mg/L
Zinc,7440-66-6†	863.5	38.07	4.41%	[0.00]	mg/L
Zirconium,7440-67-7†	5275.8	119.99	2.27%	[0.00]	mg/L

Sequence No.: 2 Autosampler Location: 2
Sample ID: Calib Std 1 Date Collected: 8/9/2006 9:24:11 AM
Analyst: Data Type: Reprocessed on 8/10/2006 8:22:54 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Scandium-IS	2835572.9	12092.54	0.43%	98.014	%
Yttrium,7440-65-5A	1534292.1	6395.18	0.42%	96.999	%

001518

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Yttrium,7440-65-5R	89932.1	404.32	0.45%	98.232	%
Ar 420.067 R	1685907.4	4840.60	0.29%	99.774	%
Ar 363.268 A	49999.6	155.60	0.31%	99.845	%
Aluminum,7429-90-5†	2868.3	12.80	0.45%	[10.00000]	mg/L
Antimony,7440-36-0†	1618.8	8.65	0.53%	[1.000000]	mg/L
Arsenic,7440-38-2†	1016.2	4.22	0.42%	[1.000000]	mg/L
Barium,7440-39-3†	91053.5	486.47	0.53%	[1.000000]	mg/L
Beryllium,7440-41-7†	2710575.3	2976.72	0.11%	[1.000000]	mg/L
Boron,7440-42-8†	132729.1	1224.18	0.92%	[5.00]	mg/L
Cadmium,7440-43-9†	98412.5	524.82	0.53%	[1.000000]	mg/L
Calcium,7440-70-2†	20183.9	188.86	0.94%	[10.00000]	mg/L
Chromium,7440-47-3†	93220.5	505.23	0.54%	[1.000000]	mg/L
Cobalt,7440-48-4†	25549.4	18.47	0.07%	[1.000000]	mg/L
Copper,7440-50-8†	169390.7	596.68	0.35%	[1.000000]	mg/L
Iron,7439-89-6†	10191.8	107.04	1.05%	[10.00000]	mg/L
Lead,7439-92-1†	9137.3	38.33	0.42%	[1.000000]	mg/L
Lithium,7439-93-2†	84348.8	812.15	0.96%	[1.00]	mg/L
Magnesium,7439-95-4†	2955.9	31.50	1.07%	[10.00000]	mg/L
Manganese,7439-96-5†	451370.3	347.32	0.08%	[1.000000]	mg/L
Molybdenum,7439-98-7†	12797.4	64.66	0.51%	[1.00]	mg/L
Nickel,7440-02-0†	33849.2	270.16	0.80%	[1.000000]	mg/L
Potassium,7440-09-7†	44100.1	462.57	1.05%	[20.00000]	mg/L
Selenium,7782-49-2†	1165.5	2.89	0.25%	[1.000000]	mg/L
Silicon,7440-21-3†	294.8	5.25	1.78%	[1.0]	mg/L
Silver,7440-22-4†	208891.9	786.52	0.38%	[1.000000]	mg/L
Sodium,7440-23-5†	138496.3	1795.27	1.30%	[40.00000]	mg/L
Strontium,7440-24-6†	285886.6	2893.86	1.01%	[1.00]	mg/L
Thallium,7440-28-0†	1765.7	14.52	0.82%	[1.000000]	mg/L
Tin,7440-31-5†	4220.9	23.33	0.55%	[1.00]	mg/L
Titanium,7440-32-6†	468920.1	197.62	0.04%	[1.000000]	mg/L
Vanadium,7440-62-2†	105008.3	398.23	0.38%	[1.000000]	mg/L
Zinc,7440-66-6†	67714.0	329.50	0.49%	[1.000000]	mg/L
Zirconium,7440-67-7†	326229.8	1423.86	0.44%	[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	286.8	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	1619	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	1016	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	91050	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	2711000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	26550	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	98410	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	2018	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	93220	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	25550	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	169400	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	1019	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	9137	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	84350	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	295.6	0.00000	1.000000	
Manganese,7439-96-5	1	Lin, Calc Int	0.0	451400	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	12800	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	33850	0.00000	1.000000	
Potassium,7440-09-7	1	Lin, Calc Int	0.0	2205	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	1166	0.00000	1.000000	
Silicon,7440-21-3	1	Lin, Calc Int	0.0	294.8	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	208900	0.00000	1.000000	
Sodium,7440-23-5	1	Lin, Calc Int	0.0	3462	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	285900	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	1766	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	4221	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	468900	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	105000	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	67710	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	326200	0.00000	1.000000	

Sequence No.: 3 **Autosampler Location: 11**
Sample ID: 1600 **Date Collected: 8/9/2006 9:31:29 AM**

Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 8/10/2006 8:23:47 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2873053.7	99.310	%	0.6819				0.69%
Yttrium,7440-65-5A	1559738.9	98.608	%	0.6924				0.70%
Yttrium,7440-65-5R	89940.3	98.241	%	0.5025				0.51%
Ar 420.067 R	1687878.9	99.891	%	0.6868				0.69%
Ar 363.268 A	50087.8	100.02	%	0.449				0.45%
Aluminum,7429-90-5†	2879.5	10.047	mg/L	0.0871	10.047	mg/L	0.0871	0.87%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.47%								
Antimony,7440-36-0†	1658.3	1.0428	mg/L	0.00828	1.0428	mg/L	0.00828	0.79%
QC value within limits for Antimony,7440-36-0 Recovery = 104.28%								
Arsenic,7440-38-2†	991.1	0.9752	mg/L	0.00236	0.9752	mg/L	0.00236	0.24%
QC value within limits for Arsenic,7440-38-2 Recovery = 97.52%								
Barium,7440-39-3†	91297.8	1.0012	mg/L	0.00037	1.0012	mg/L	0.00037	0.04%
QC value within limits for Barium,7440-39-3 Recovery = 100.12%								
Beryllium,7440-41-7†	2701157.5	0.9957	mg/L	0.00125	0.9957	mg/L	0.00125	0.13%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.57%								
Boron,7440-42-8†	134034.6	5.0420	mg/L	0.01001	5.0420	mg/L	0.01001	0.20%
QC value within limits for Boron,7440-42-8 Recovery = 100.84%								
Cadmium,7440-43-9†	95198.0	0.9661	mg/L	0.00065	0.9661	mg/L	0.00065	0.07%
QC value within limits for Cadmium,7440-43-9 Recovery = 96.61%								
Calcium,7440-70-2†	20357.1	10.098	mg/L	0.0673	10.098	mg/L	0.0673	0.67%
QC value within limits for Calcium,7440-70-2 Recovery = 100.98%								
Chromium,7440-47-3†	91519.2	0.9801	mg/L	0.00121	0.9801	mg/L	0.00121	0.12%
QC value within limits for Chromium,7440-47-3 Recovery = 98.01%								
Cobalt,7440-48-4†	24569.4	0.9601	mg/L	0.00148	0.9601	mg/L	0.00148	0.15%
QC value within limits for Cobalt,7440-48-4 Recovery = 96.01%								
Copper,7440-50-8†	164026.1	0.9709	mg/L	0.00164	0.9709	mg/L	0.00164	0.17%
QC value within limits for Copper,7440-50-8 Recovery = 97.09%								
Iron,7439-89-6†	10524.9	10.329	mg/L	0.0924	10.329	mg/L	0.0924	0.89%
QC value within limits for Iron,7439-89-6 Recovery = 103.29%								
Lead,7439-92-1†	8967.5	0.9829	mg/L	0.00251	0.9829	mg/L	0.00251	0.26%
QC value within limits for Lead,7439-92-1 Recovery = 98.29%								
Lithium,7439-93-2†	83643.8	0.9912	mg/L	0.01375	0.9912	mg/L	0.01375	1.39%
QC value within limits for Lithium,7439-93-2 Recovery = 99.12%								
Magnesium,7439-95-4†	2987.1	10.105	mg/L	0.1139	10.105	mg/L	0.1139	1.13%
QC value within limits for Magnesium,7439-95-4 Recovery = 101.05%								
Manganese,7439-96-5†	443311.2	0.9824	mg/L	0.00098	0.9824	mg/L	0.00098	0.10%
QC value within limits for Manganese,7439-96-5 Recovery = 98.24%								
Molybdenum,7439-98-7†	12423.9	0.9709	mg/L	0.00282	0.9709	mg/L	0.00282	0.29%
QC value within limits for Molybdenum,7439-98-7 Recovery = 97.09%								
Nickel,7440-02-0†	32700.8	0.9665	mg/L	0.00384	0.9665	mg/L	0.00384	0.40%
QC value within limits for Nickel,7440-02-0 Recovery = 96.65%								
Potassium,7440-09-7†	21893.5	9.9173	mg/L	0.14888	9.9173	mg/L	0.14888	1.50%
QC value within limits for Potassium,7440-09-7 Recovery = 99.17%								
Selenium,7782-49-2†	1139.7	0.9824	mg/L	0.00392	0.9824	mg/L	0.00392	0.40%
QC value within limits for Selenium,7782-49-2 Recovery = 98.24%								
Silicon,7440-21-3†	26.2	0.0880	mg/L	0.00397	0.0880	mg/L	0.00397	4.52%
Silver,7440-22-4†	209101.0	0.9935	mg/L	0.00108	0.9935	mg/L	0.00108	0.11%
QC value within limits for Silver,7440-22-4 Recovery = 99.35%								
Sodium,7440-23-5†	33974.0	9.7350	mg/L	0.07528	9.7350	mg/L	0.07528	0.77%
QC value within limits for Sodium,7440-23-5 Recovery = 97.35%								
Strontium,7440-24-6†	279197.6	0.9766	mg/L	0.01505	0.9766	mg/L	0.01505	1.54%
QC value within limits for Strontium,7440-24-6 Recovery = 97.66%								
Thallium,7440-28-0†	1746.2	0.9966	mg/L	0.00570	0.9966	mg/L	0.00570	0.57%
QC value within limits for Thallium,7440-28-0 Recovery = 99.66%								
Tin,7440-31-5†	4312.6	1.0219	mg/L	0.00113	1.0219	mg/L	0.00113	0.11%
QC value within limits for Tin,7440-31-5 Recovery = 102.19%								
Titanium,7440-32-6†	463208.9	0.9878	mg/L	0.00166	0.9878	mg/L	0.00166	0.17%
QC value within limits for Titanium,7440-32-6 Recovery = 98.78%								
Vanadium,7440-62-2†	102374.1	0.9748	mg/L	0.00363	0.9748	mg/L	0.00363	0.37%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.48%								
Zinc,7440-66-6†	65954.8	0.9764	mg/L	0.00035	0.9764	mg/L	0.00035	0.04%
QC value within limits for Zinc,7440-66-6 Recovery = 97.64%								
Zirconium,7440-67-7†	1808.7	0.0075	mg/L	0.00103	0.0075	mg/L	0.00103	13.80%

All analyte(s) passed QC.

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 8/9/2006 9:38:44 AM**
Analyst: **Data Type: Reprocessed on 8/10/2006 8:23:54 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
Scandium-IS	2888399.1	99.840	%	0.4270				0.43%
Yttrium,7440-65-5A	1580215.1	99.902	%	0.4333				0.43%
Yttrium,7440-65-5R	91204.4	99.621	%	0.7902				0.79%
Ar 420.067 R	1682254.4	99.558	%	0.6416				0.64%
Ar 363.268 A	50334.8	100.51	%	0.170				0.17%
Aluminum,7429-90-5†	6.0	0.0209	mg/L	0.01441	0.0209	mg/L	0.01441	68.80%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-1.8	-0.0011	mg/L	0.00355	-0.0011	mg/L	0.00355	309.56%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	6.5	0.0064	mg/L	0.00320	0.0064	mg/L	0.00320	50.24%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	-7.5	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	182.89%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	16.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	102.86%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1822.3	0.0686	mg/L	0.00513	0.0686	mg/L	0.00513	7.48%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	5.5	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	59.70%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-0.6	-0.0003	mg/L	0.00308	-0.0003	mg/L	0.00308	>999.9%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-32.7	-0.0004	mg/L	0.00051	-0.0004	mg/L	0.00051	144.52%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	6.8	0.0003	mg/L	0.00023	0.0003	mg/L	0.00023	84.89%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-64.1	-0.0004	mg/L	0.00038	-0.0004	mg/L	0.00038	100.31%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	2.3	0.0023	mg/L	0.00070	0.0023	mg/L	0.00070	30.61%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	1.9	0.0002	mg/L	0.00158	0.0002	mg/L	0.00158	760.72%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-73.7	-0.0009	mg/L	0.00098	-0.0009	mg/L	0.00098	112.01%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-1.4	-0.0047	mg/L	0.03497	-0.0047	mg/L	0.03497	740.81%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-29.7	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	98.17%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	20.2	0.0016	mg/L	0.00081	0.0016	mg/L	0.00081	51.00%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-10.4	-0.0003	mg/L	0.00070	-0.0003	mg/L	0.00070	228.33%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	-116.4	-0.0528	mg/L	0.01497	-0.0528	mg/L	0.01497	28.37%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-10.1	-0.0087	mg/L	0.00543	-0.0087	mg/L	0.00543	62.58%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	15.0	0.0510	mg/L	0.00513	0.0510	mg/L	0.00513	10.05%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-3.4	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†	-1030.4	-0.2976	mg/L	0.01328	-0.2976	mg/L	0.01328	4.46%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-23.1	-0.0001	mg/L	0.00016	-0.0001	mg/L	0.00016	195.08%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	4.2	0.0024	mg/L	0.00130	0.0024	mg/L	0.00130	54.46%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	15.3	0.0036	mg/L	0.00265	0.0036	mg/L	0.00265	72.92%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	140.7	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	21.48%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2† -9.9 -0.0001 mg/L 0.00028 -0.0001 mg/L 0.00028 301.55%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6† -245.4 -0.0036 mg/L 0.00016 -0.0036 mg/L 0.00016 4.40%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7† -78.8 -0.0002 mg/L 0.00034 -0.0002 mg/L 0.00034 139.43%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 5 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 8/9/2006 9:46:08 AM**
Analyst: **Data Type: Reprocessed on 8/10/2006 8:23:56 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2865331.0	99.043	%	0.8957				0.90%
Yttrium,7440-65-5A	1565585.4	98.977	%	0.8377				0.85%
Yttrium,7440-65-5R	90235.6	98.563	%	0.8489				0.86%
Ar 420.067 R	1679419.9	99.390	%	0.3142				0.32%
Ar 363.268 A	50383.1	100.61	%	0.226				0.22%
Aluminum,7429-90-5†	68.3	0.2383	mg/L	0.01937	0.2383	mg/L	0.01937	8.13%
QC value within limits for Aluminum,7429-90-5 Recovery = 119.15%								
Antimony,7440-36-0†	114.5	0.0710	mg/L	0.00609	0.0710	mg/L	0.00609	8.57%
QC value within limits for Antimony,7440-36-0 Recovery = 118.36%								
Arsenic,7440-38-2†	14.4	0.0141	mg/L	0.00249	0.0141	mg/L	0.00249	17.63%
QC value within limits for Arsenic,7440-38-2 Recovery = 141.30%								
Barium,7440-39-3†	921.1	0.0101	mg/L	0.00023	0.0101	mg/L	0.00023	2.28%
QC value within limits for Barium,7440-39-3 Recovery = 100.90%								
Beryllium,7440-41-7†	13565.4	0.0049	mg/L	0.00006	0.0049	mg/L	0.00006	1.29%
QC value within limits for Beryllium,7440-41-7 Recovery = 98.82%								
Boron,7440-42-8†	13842.4	0.5215	mg/L	0.01469	0.5215	mg/L	0.01469	2.82%
Cadmium,7440-43-9†	482.2	0.0049	mg/L	0.00012	0.0049	mg/L	0.00012	2.56%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.60%								
Calcium,7440-70-2†	304.9	0.1514	mg/L	0.00302	0.1514	mg/L	0.00302	2.00%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 151.37%								
Chromium,7440-47-3†	1011.0	0.0108	mg/L	0.00011	0.0108	mg/L	0.00011	1.06%
QC value within limits for Chromium,7440-47-3 Recovery = 108.40%								
Cobalt,7440-48-4†	258.4	0.0101	mg/L	0.00022	0.0101	mg/L	0.00022	2.15%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.98%								
Copper,7440-50-8†	1783.7	0.0106	mg/L	0.00079	0.0106	mg/L	0.00079	7.42%
QC value within limits for Copper,7440-50-8 Recovery = 105.84%								
Iron,7439-89-6†	102.7	0.1008	mg/L	0.00495	0.1008	mg/L	0.00495	4.91%
QC value within limits for Iron,7439-89-6 Recovery = 100.83%								
Lead,7439-92-1†	127.6	0.0140	mg/L	0.00081	0.0140	mg/L	0.00081	5.81%
QC value within limits for Lead,7439-92-1 Recovery = 93.02%								
Lithium,7439-93-2†	4540.0	0.0538	mg/L	0.00097	0.0538	mg/L	0.00097	1.80%
QC value within limits for Lithium,7439-93-2 Recovery = 107.62%								
Magnesium,7439-95-4†	41.9	0.1418	mg/L	0.01209	0.1418	mg/L	0.01209	8.53%
QC value within limits for Magnesium,7439-95-4 Recovery = 141.83%								
Manganese,7439-96-5†	7699.2	0.0171	mg/L	0.00028	0.0171	mg/L	0.00028	1.64%
QC value within limits for Manganese,7439-96-5 Recovery = 113.88%								
Molybdenum,7439-98-7†	644.4	0.0504	mg/L	0.00031	0.0504	mg/L	0.00031	0.61%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.72%								
Nickel,7440-02-0†	1336.7	0.0395	mg/L	0.00035	0.0395	mg/L	0.00035	0.89%
QC value within limits for Nickel,7440-02-0 Recovery = 98.85%								
Potassium,7440-09-7†	866.3	0.3925	mg/L	0.03996	0.3925	mg/L	0.03996	10.18%
QC value within limits for Potassium,7440-09-7 Recovery = 78.49%								
Selenium,7782-49-2†	36.6	0.0315	mg/L	0.00315	0.0315	mg/L	0.00315	10.00%
QC value within limits for Selenium,7782-49-2 Recovery = 78.79%								
Silicon,7440-21-3†	18.2	0.0615	mg/L	0.00439	0.0615	mg/L	0.00439	7.14%
Silver,7440-22-4†	241.7	0.0010	mg/L	0.00075	0.0010	mg/L	0.00075	76.47%
Sodium,7440-23-5†	3234.1	0.9314	mg/L	0.03089	0.9314	mg/L	0.03089	3.32%
QC value within limits for Sodium,7440-23-5 Recovery = 93.14%								
Strontium,7440-24-6†	14440.4	0.0505	mg/L	0.00069	0.0505	mg/L	0.00069	1.37%
QC value within limits for Strontium,7440-24-6 Recovery = 101.02%								
Thallium,7440-28-0†	11.1	0.0070	mg/L	0.00450	0.0070	mg/L	0.00450	64.08%

QC value within limits for Thallium,7440-28-0 Recovery = 70.28%

Tin,7440-31-5†	432.9	0.1026 mg/L	0.00195	0.1026 mg/L	0.00195	1.90%
QC value within limits for Tin,7440-31-5 Recovery = 102.61%						
Titanium,7440-32-6†	47356.8	0.1010 mg/L	0.00013	0.1010 mg/L	0.00013	0.12%
QC value within limits for Titanium,7440-32-6 Recovery = 100.99%						
Vanadium,7440-62-2†	2169.6	0.0206 mg/L	0.00061	0.0206 mg/L	0.00061	2.94%
QC value within limits for Vanadium,7440-62-2 Recovery = 103.23%						
Zinc,7440-66-6†	1395.5	0.0207 mg/L	0.00034	0.0207 mg/L	0.00034	1.63%
QC value within limits for Zinc,7440-66-6 Recovery = 103.35%						
Zirconium,7440-67-7†	3450.9	0.0108 mg/L	0.00022	0.0108 mg/L	0.00022	2.08%

QC Failed. Continue with analysis.

Sequence No.: 6 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 8/9/2006 9:51:09 AM**
Analyst: **Data Type: Reprocessed on 8/10/2006 8:23:57 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2871169.5	99.245	%	0.2188				0.22%
Yttrium,7440-65-5A	1569969.7	99.254	%	0.3178				0.32%
Yttrium,7440-65-5R	90931.9	99.324	%	0.6641				0.67%
Ar 420.067 R	1676584.3	99.222	%	0.7088				0.71%
Ar 363.268 A	50572.0	100.99	%	0.453				0.45%
Aluminum,7429-90-5†	68.9	0.2404	mg/L	0.03008	0.2404	mg/L	0.03008	12.51%
QC value within limits for Aluminum,7429-90-5 Recovery = 120.22%								
Antimony,7440-36-0†	106.9	0.0663	mg/L	0.00657	0.0663	mg/L	0.00657	9.90%
QC value within limits for Antimony,7440-36-0 Recovery = 110.52%								
Arsenic,7440-38-2†	12.9	0.0127	mg/L	0.00426	0.0127	mg/L	0.00426	33.59%
QC value within limits for Arsenic,7440-38-2 Recovery = 126.77%								
Barium,7440-39-3†	919.0	0.0101	mg/L	0.00014	0.0101	mg/L	0.00014	1.39%
QC value within limits for Barium,7440-39-3 Recovery = 100.68%								
Beryllium,7440-41-7†	13599.2	0.0050	mg/L	0.00000	0.0050	mg/L	0.00000	0.08%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.08%								
Boron,7440-42-8†	13902.2	0.5237	mg/L	0.00558	0.5237	mg/L	0.00558	1.07%
Cadmium,7440-43-9†	483.2	0.0049	mg/L	0.00012	0.0049	mg/L	0.00012	2.45%
QC value within limits for Cadmium,7440-43-9 Recovery = 97.81%								
Calcium,7440-70-2†	299.3	0.1486	mg/L	0.00213	0.1486	mg/L	0.00213	1.43%
QC value within limits for Calcium,7440-70-2 Recovery = 148.57%								
Chromium,7440-47-3†	999.0	0.0107	mg/L	0.00018	0.0107	mg/L	0.00018	1.72%
QC value within limits for Chromium,7440-47-3 Recovery = 107.10%								
Cobalt,7440-48-4†	244.8	0.0096	mg/L	0.00013	0.0096	mg/L	0.00013	1.41%
QC value within limits for Cobalt,7440-48-4 Recovery = 95.66%								
Copper,7440-50-8†	1724.6	0.0102	mg/L	0.00030	0.0102	mg/L	0.00030	2.92%
QC value within limits for Copper,7440-50-8 Recovery = 102.35%								
Iron,7439-89-6†	107.9	0.1060	mg/L	0.00623	0.1060	mg/L	0.00623	5.88%
QC value within limits for Iron,7439-89-6 Recovery = 105.96%								
Lead,7439-92-1†	127.3	0.0139	mg/L	0.00011	0.0139	mg/L	0.00011	0.79%
QC value within limits for Lead,7439-92-1 Recovery = 92.79%								
Lithium,7439-93-2†	4503.2	0.0534	mg/L	0.00156	0.0534	mg/L	0.00156	2.93%
QC value within limits for Lithium,7439-93-2 Recovery = 106.74%								
Magnesium,7439-95-4†	34.7	0.1173	mg/L	0.02256	0.1173	mg/L	0.02256	19.23%
QC value within limits for Magnesium,7439-95-4 Recovery = 117.27%								
Manganese,7439-96-5†	7738.0	0.0172	mg/L	0.00011	0.0172	mg/L	0.00011	0.65%
QC value within limits for Manganese,7439-96-5 Recovery = 114.45%								
Molybdenum,7439-98-7†	647.2	0.0506	mg/L	0.00049	0.0506	mg/L	0.00049	0.98%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.16%								
Nickel,7440-02-0†	1332.0	0.0394	mg/L	0.00025	0.0394	mg/L	0.00025	0.65%
QC value within limits for Nickel,7440-02-0 Recovery = 98.49%								
Potassium,7440-09-7†	812.2	0.3679	mg/L	0.01975	0.3679	mg/L	0.01975	5.37%
QC value within limits for Potassium,7440-09-7 Recovery = 73.58%								
Selenium,7782-49-2†	36.6	0.0315	mg/L	0.00315	0.0315	mg/L	0.00315	10.02%
QC value within limits for Selenium,7782-49-2 Recovery = 78.64%								
Silicon,7440-21-3†	18.2	0.0616	mg/L	0.00418	0.0616	mg/L	0.00418	6.78%
Silver,7440-22-4†	231.9	0.0009	mg/L	0.00053	0.0009	mg/L	0.00053	56.84%
Sodium,7440-23-5†	3190.2	0.9187	mg/L	0.02360	0.9187	mg/L	0.02360	2.57%
QC value within limits for Sodium,7440-23-5 Recovery = 91.87%								

Strontium,7440-24-6†	14562.0	0.0509 mg/L	0.00055	0.0509 mg/L	0.00055	1.08%
QC value within limits for Strontium,7440-24-6 Recovery = 101.88%						
Thallium,7440-28-0†	15.5	0.0095 mg/L	0.00112	0.0095 mg/L	0.00112	11.82%
QC value within limits for Thallium,7440-28-0 Recovery = 94.87%						
Tin,7440-31-5†	428.7	0.1016 mg/L	0.00033	0.1016 mg/L	0.00033	0.33%
QC value within limits for Tin,7440-31-5 Recovery = 101.59%						
Titanium,7440-32-6†	47291.5	0.1009 mg/L	0.00018	0.1009 mg/L	0.00018	0.18%
QC value within limits for Titanium,7440-32-6 Recovery = 100.85%						
Vanadium,7440-62-2†	2119.9	0.0202 mg/L	0.00025	0.0202 mg/L	0.00025	1.24%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.86%						
Zinc,7440-66-6†	1377.6	0.0204 mg/L	0.00009	0.0204 mg/L	0.00009	0.45%
QC value within limits for Zinc,7440-66-6 Recovery = 102.03%						
Zirconium,7440-67-7†	3491.6	0.0109 mg/L	0.00011	0.0109 mg/L	0.00011	1.03%

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: 2301
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 8/9/2006 9:56:44 AM
Data Type: Reprocessed on 8/10/2006 8:23:59 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 2301

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2890845.8	99.925	%	1.4580				1.46%
Yttrium,7440-65-5A	1582898.7	100.07	%	1.416				1.42%
Yttrium,7440-65-5R	92531.8	101.07	%	0.188				0.19%
Ar 420.067 R	1687476.0	99.867	%	0.0298				0.03%
Ar 363.268 A	50661.7	101.17	%	0.029				0.03%
Aluminum,7429-90-5†	4.2	0.0146	mg/L	0.00605	0.0146	mg/L	0.00605	41.34%
Antimony,7440-36-0†	7.5	0.0046	mg/L	0.00757	0.0046	mg/L	0.00757	163.37%
Arsenic,7440-38-2†	7.2	0.0071	mg/L	0.00341	0.0071	mg/L	0.00341	48.24%
Barium,7440-39-3†	-6.2	-0.0001	mg/L	0.00018	-0.0001	mg/L	0.00018	258.11%
Beryllium,7440-41-7†	-176.9	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	26.96%
Boron,7440-42-8†	853.7	0.0322	mg/L	0.00237	0.0322	mg/L	0.00237	7.37%
Cadmium,7440-43-9†	-2.0	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	238.33%
Calcium,7440-70-2†	46.9	0.0233	mg/L	0.00497	0.0233	mg/L	0.00497	21.36%
Chromium,7440-47-3†	26.3	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	5.12%
Cobalt,7440-48-4†	-1.4	-0.0001	mg/L	0.00015	-0.0001	mg/L	0.00015	268.95%
Copper,7440-50-8†	20.3	0.0001	mg/L	0.00060	0.0001	mg/L	0.00060	499.57%
Iron,7439-89-6†	-0.7	-0.0007	mg/L	0.00288	-0.0007	mg/L	0.00288	413.04%
Lead,7439-92-1†	-17.3	-0.0019	mg/L	0.00147	-0.0019	mg/L	0.00147	77.99%
Lithium,7439-93-2†	5.4	0.0001	mg/L	0.00168	0.0001	mg/L	0.00168	>999.9%
Magnesium,7439-95-4†	-2.7	-0.0090	mg/L	0.01734	-0.0090	mg/L	0.01734	191.88%
Manganese,7439-96-5†	-28.4	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	60.41%
Molybdenum,7439-98-7†	4.5	0.0003	mg/L	0.00061	0.0003	mg/L	0.00061	174.61%
Nickel,7440-02-0†	-5.0	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	39.11%
Potassium,7440-09-7†	-158.3	-0.0718	mg/L	0.04057	-0.0718	mg/L	0.04057	56.51%
Selenium,7782-49-2†	-6.2	-0.0053	mg/L	0.00739	-0.0053	mg/L	0.00739	138.93%
Silicon,7440-21-3†	18.1	0.0614	mg/L	0.00707	0.0614	mg/L	0.00707	11.52%
Silver,7440-22-4†	2435.6	0.0117	mg/L	0.00028	0.0117	mg/L	0.00028	2.37%
QC value within limits for Silver,7440-22-4 Recovery = 116.59%								
Sodium,7440-23-5†	-1190.4	-0.3438	mg/L	0.00385	-0.3438	mg/L	0.00385	1.12%
Strontium,7440-24-6†	34.0	0.0001	mg/L	0.00016	0.0001	mg/L	0.00016	133.37%
Thallium,7440-28-0†	-5.4	-0.0031	mg/L	0.00238	-0.0031	mg/L	0.00238	77.40%
Tin,7440-31-5†	3.4	0.0008	mg/L	0.00102	0.0008	mg/L	0.00102	127.20%
Titanium,7440-32-6†	166.9	0.0004	mg/L	0.00028	0.0004	mg/L	0.00028	79.60%
Vanadium,7440-62-2†	5.3	0.0001	mg/L	0.00044	0.0001	mg/L	0.00044	870.58%
Zinc,7440-66-6†	-206.9	-0.0031	mg/L	0.00019	-0.0031	mg/L	0.00019	6.11%
Zirconium,7440-67-7†	26.8	0.0001	mg/L	0.00046	0.0001	mg/L	0.00046	554.94%

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 2000
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/9/2006 10:03:59 AM
Data Type: Reprocessed on 8/10/2006 8:24:01 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
Scandium-IS	2657469.8	91.858	%	0.5448				0.59%
Yttrium,7440-65-5A	1430068.9	90.410	%	0.5655				0.63%
Yttrium,7440-65-5R	85507.1	93.398	%	0.4640				0.50%
Ar 420.067 R	1638093.2	96.944	%	0.1478				0.15%
Ar 363.268 A	48685.0	97.220	%	0.5485				0.56%
Aluminum,7429-90-5†	59237.9	206.52	mg/L	0.580	206.52	mg/L	0.580	0.28%
QC value within limits for Aluminum,7429-90-5 Recovery = 103.26%								
Antimony,7440-36-0†	-13.7	0.0012	mg/L	0.00600	0.0012	mg/L	0.00600	494.76%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	-76.9	-0.0471	mg/L	0.00415	-0.0471	mg/L	0.00415	8.81%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	112.1	0.0015	mg/L	0.00007	0.0015	mg/L	0.00007	4.71%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-1483.2	-0.0005	mg/L	0.00006	-0.0005	mg/L	0.00006	12.26%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	973.2	-0.0332	mg/L	0.00266	-0.0332	mg/L	0.00266	8.01%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	159.4	0.0010	mg/L	0.00008	0.0010	mg/L	0.00008	8.09%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	413248.0	204.78	mg/L	1.252	204.78	mg/L	1.252	0.61%
QC value within limits for Calcium,7440-70-2 Recovery = 102.39%								
Chromium,7440-47-3†	19.4	-0.0131	mg/L	0.00060	-0.0131	mg/L	0.00060	4.60%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	27.5	0.0005	mg/L	0.00046	0.0005	mg/L	0.00046	87.45%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-2211.2	-0.0143	mg/L	0.00030	-0.0143	mg/L	0.00030	2.09%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	81192.2	79.651	mg/L	0.3360	79.651	mg/L	0.3360	0.42%
QC value within limits for Iron,7439-89-6 Recovery = 99.56%								
Lead,7439-92-1†	-124.8	0.0017	mg/L	0.00252	0.0017	mg/L	0.00252	146.85%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	-98.3	-0.0031	mg/L	0.00039	-0.0031	mg/L	0.00039	12.72%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	59068.0	199.81	mg/L	1.872	199.81	mg/L	1.872	0.94%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.91%								
Manganese,7439-96-5†	1556.3	0.0030	mg/L	0.00012	0.0030	mg/L	0.00012	4.11%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-83.2	-0.0092	mg/L	0.00143	-0.0092	mg/L	0.00143	15.50%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	27.3	0.0005	mg/L	0.00040	0.0005	mg/L	0.00040	75.02%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	-424.0	-0.2810	mg/L	0.05833	-0.2810	mg/L	0.05833	20.76%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-60.9	0.0031	mg/L	0.01293	0.0031	mg/L	0.01293	412.95%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	43.6	0.1474	mg/L	0.00576	0.1474	mg/L	0.00576	3.91%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	-3572.9	-0.0114	mg/L	0.00060	-0.0114	mg/L	0.00060	5.22%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-113.7	-0.3281	mg/L	0.03085	-0.3281	mg/L	0.03085	9.40%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	1839.4	0.0067	mg/L	0.00036	0.0067	mg/L	0.00036	5.41%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-25.1	-0.0063	mg/L	0.00214	-0.0063	mg/L	0.00214	34.17%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-37.9	-0.0135	mg/L	0.00374	-0.0135	mg/L	0.00374	27.77%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	875.9	0.0018	mg/L	0.00019	0.0018	mg/L	0.00019	10.47%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	333.7	0.0031	mg/L	0.00151	0.0031	mg/L	0.00151	48.37%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	147.8	0.0055	mg/L	0.00028	0.0055	mg/L	0.00028	5.09%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	894.2	0.0015	mg/L	0.00025	0.0015	mg/L	0.00025	16.95%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

QC Failed. Continue with analysis.

001525

167986

Sequence No.: 9
Sample ID: 2100
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/9/2006 10:11:11 AM
Data Type: Reprocessed on 8/10/2006 8:24:03 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 2100

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2668296.5	92.232	%	0.7437				0.81%
Yttrium,7440-65-5A	1436910.3	90.842	%	0.6753				0.74%
Yttrium,7440-65-5R	86605.9	94.599	%	0.5864				0.62%
Ar 420.067 R	1649940.9	97.646	%	0.4350				0.45%
Ar 363.268 A	49449.4	98.747	%	0.1398				0.14%
Aluminum,7429-90-5†	60057.7	209.39	mg/L	2.358	209.39	mg/L	2.358	1.13%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.69%								
Antimony,7440-36-0†	1644.0	1.0346	mg/L	0.01469	1.0346	mg/L	0.01469	1.42%
QC value within limits for Antimony,7440-36-0 Recovery = 103.46%								
Arsenic,7440-38-2†	962.0	0.9744	mg/L	0.00501	0.9744	mg/L	0.00501	0.51%
QC value within limits for Arsenic,7440-38-2 Recovery = 97.44%								
Barium,7440-39-3†	47607.9	0.5223	mg/L	0.00230	0.5223	mg/L	0.00230	0.44%
QC value within limits for Barium,7440-39-3 Recovery = 104.47%								
Beryllium,7440-41-7†	1416156.7	0.5224	mg/L	0.00220	0.5224	mg/L	0.00220	0.42%
QC value within limits for Beryllium,7440-41-7 Recovery = 104.48%								
Boron,7440-42-8†	28663.5	1.0090	mg/L	0.00842	1.0090	mg/L	0.00842	0.83%
QC value within limits for Boron,7440-42-8 Recovery = 100.90%								
Cadmium,7440-43-9†	97879.3	0.9933	mg/L	0.00324	0.9933	mg/L	0.00324	0.33%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.33%								
Calcium,7440-70-2†	409899.5	203.13	mg/L	3.648	203.13	mg/L	3.648	1.80%
QC value within limits for Calcium,7440-70-2 Recovery = 101.56%								
Chromium,7440-47-3†	47860.0	0.5001	mg/L	0.00283	0.5001	mg/L	0.00283	0.57%
QC value within limits for Chromium,7440-47-3 Recovery = 100.02%								
Cobalt,7440-48-4†	11781.4	0.4597	mg/L	0.00571	0.4597	mg/L	0.00571	1.24%
QC value within limits for Cobalt,7440-48-4 Recovery = 91.95%								
Copper,7440-50-8†	85987.6	0.5077	mg/L	0.00208	0.5077	mg/L	0.00208	0.41%
QC value within limits for Copper,7440-50-8 Recovery = 101.54%								
Iron,7439-89-6†	83115.9	81.539	mg/L	0.9971	81.539	mg/L	0.9971	1.22%
QC value within limits for Iron,7439-89-6 Recovery = 101.92%								
Lead,7439-92-1†	8752.7	0.9734	mg/L	0.01241	0.9734	mg/L	0.01241	1.28%
QC value within limits for Lead,7439-92-1 Recovery = 97.34%								
Lithium,7439-93-2†	-18.0	-0.0023	mg/L	0.00190	-0.0023	mg/L	0.00190	82.68%
Magnesium,7439-95-4†	60141.5	203.44	mg/L	1.952	203.44	mg/L	1.952	0.96%
QC value within limits for Magnesium,7439-95-4 Recovery = 101.72%								
Manganese,7439-96-5†	229531.9	0.5082	mg/L	0.00203	0.5082	mg/L	0.00203	0.40%
QC value within limits for Manganese,7439-96-5 Recovery = 101.64%								
Molybdenum,7439-98-7†	12666.7	0.9871	mg/L	0.00899	0.9871	mg/L	0.00899	0.91%
QC value within limits for Molybdenum,7439-98-7 Recovery = 98.71%								
Nickel,7440-02-0†	31670.6	0.9353	mg/L	0.00208	0.9353	mg/L	0.00208	0.22%
QC value within limits for Nickel,7440-02-0 Recovery = 93.53%								
Potassium,7440-09-7†	-427.3	-0.2858	mg/L	0.04045	-0.2858	mg/L	0.04045	14.15%
Selenium,7782-49-2†	1168.5	1.0590	mg/L	0.01418	1.0590	mg/L	0.01418	1.34%
QC value within limits for Selenium,7782-49-2 Recovery = 105.90%								
Silicon,7440-21-3†	72.2	0.2436	mg/L	0.02292	0.2436	mg/L	0.02292	9.41%
Silver,7440-22-4†	229851.8	1.1018	mg/L	0.00558	1.1018	mg/L	0.00558	0.51%
QC value within limits for Silver,7440-22-4 Recovery = 110.18%								
Sodium,7440-23-5†	3888.9	0.7967	mg/L	0.01759	0.7967	mg/L	0.01759	2.21%
Strontium,7440-24-6†	1899.4	0.0069	mg/L	0.00013	0.0069	mg/L	0.00013	1.81%
Thallium,7440-28-0†	1819.3	1.0387	mg/L	0.00957	1.0387	mg/L	0.00957	0.92%
QC value within limits for Thallium,7440-28-0 Recovery = 103.87%								
Tin,7440-31-5†	-36.9	-0.0133	mg/L	0.00157	-0.0133	mg/L	0.00157	11.78%
Titanium,7440-32-6†	796.4	0.0016	mg/L	0.00006	0.0016	mg/L	0.00006	3.92%
Vanadium,7440-62-2†	54278.7	0.5168	mg/L	0.00092	0.5168	mg/L	0.00092	0.18%
QC value within limits for Vanadium,7440-62-2 Recovery = 103.36%								
Zinc,7440-66-6†	68653.9	1.0190	mg/L	0.00708	1.0190	mg/L	0.00708	0.69%
QC value within limits for Zinc,7440-66-6 Recovery = 101.90%								
Zirconium,7440-67-7†	1089.0	0.0019	mg/L	0.00045	0.0019	mg/L	0.00045	23.25%

All analyte(s) passed QC.

001526

167987

Sequence No.: 10
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 10:18:20 AM
Data Type: Reprocessed on 8/10/2006 8:24:05 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2843453.9	98.287	%	1.0834				1.10%
Yttrium,7440-65-5A	1540849.0	97.413	%	1.0548				1.08%
Yttrium,7440-65-5R	91926.4	100.41	%	1.182				1.18%
Ar 420.067 R	1707562.3	101.06	%	0.245				0.24%
Ar 363.268 A	50615.8	101.08	%	0.336				0.33%
Aluminum,7429-90-5†	1492.2	5.2066	mg/L	0.04986	5.2066	mg/L	0.04986	0.96%
QC value within limits for Aluminum,7429-90-5 Recovery = 104.13%								
Antimony,7440-36-0†	830.3	0.5227	mg/L	0.00850	0.5227	mg/L	0.00850	1.63%
QC value within limits for Antimony,7440-36-0 Recovery = 104.53%								
Arsenic,7440-38-2†	531.7	0.5231	mg/L	0.00561	0.5231	mg/L	0.00561	1.07%
QC value within limits for Arsenic,7440-38-2 Recovery = 104.63%								
Barium,7440-39-3†	47564.1	0.5216	mg/L	0.00367	0.5216	mg/L	0.00367	0.70%
QC value within limits for Barium,7440-39-3 Recovery = 104.32%								
Beryllium,7440-41-7†	1396972.1	0.5150	mg/L	0.00270	0.5150	mg/L	0.00270	0.52%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.99%								
Boron,7440-42-8†	68944.5	2.5935	mg/L	0.02945	2.5935	mg/L	0.02945	1.14%
QC value within limits for Boron,7440-42-8 Recovery = 103.74%								
Cadmium,7440-43-9†	51226.8	0.5199	mg/L	0.00353	0.5199	mg/L	0.00353	0.68%
QC value within limits for Cadmium,7440-43-9 Recovery = 103.98%								
Calcium,7440-70-2†	10721.7	5.3182	mg/L	0.12707	5.3182	mg/L	0.12707	2.39%
QC value within limits for Calcium,7440-70-2 Recovery = 106.36%								
Chromium,7440-47-3†	48642.7	0.5210	mg/L	0.00426	0.5210	mg/L	0.00426	0.82%
QC value within limits for Chromium,7440-47-3 Recovery = 104.19%								
Cobalt,7440-48-4†	13221.6	0.5166	mg/L	0.00445	0.5166	mg/L	0.00445	0.86%
QC value within limits for Cobalt,7440-48-4 Recovery = 103.33%								
Copper,7440-50-8†	87883.3	0.5202	mg/L	0.00511	0.5202	mg/L	0.00511	0.98%
QC value within limits for Copper,7440-50-8 Recovery = 104.04%								
Iron,7439-89-6†	5472.7	5.3709	mg/L	0.03780	5.3709	mg/L	0.03780	0.70%
QC value within limits for Iron,7439-89-6 Recovery = 107.42%								
Lead,7439-92-1†	4672.2	0.5121	mg/L	0.00439	0.5121	mg/L	0.00439	0.86%
QC value within limits for Lead,7439-92-1 Recovery = 102.42%								
Lithium,7439-93-2†	42446.6	0.5030	mg/L	0.01133	0.5030	mg/L	0.01133	2.25%
QC value within limits for Lithium,7439-93-2 Recovery = 100.60%								
Magnesium,7439-95-4†	1559.3	5.2747	mg/L	0.06308	5.2747	mg/L	0.06308	1.20%
QC value within limits for Magnesium,7439-95-4 Recovery = 105.49%								
Manganese,7439-96-5†	234804.3	0.5203	mg/L	0.00393	0.5203	mg/L	0.00393	0.76%
QC value within limits for Manganese,7439-96-5 Recovery = 104.07%								
Molybdenum,7439-98-7†	6603.0	0.5160	mg/L	0.00416	0.5160	mg/L	0.00416	0.81%
QC value within limits for Molybdenum,7439-98-7 Recovery = 103.21%								
Nickel,7440-02-0†	17547.4	0.5186	mg/L	0.00574	0.5186	mg/L	0.00574	1.11%
QC value within limits for Nickel,7440-02-0 Recovery = 103.72%								
Potassium,7440-09-7†	22018.1	9.9794	mg/L	0.21281	9.9794	mg/L	0.21281	2.13%
QC value within limits for Potassium,7440-09-7 Recovery = 99.79%								
Selenium,7782-49-2†	598.3	0.5157	mg/L	0.00668	0.5157	mg/L	0.00668	1.30%
QC value within limits for Selenium,7782-49-2 Recovery = 103.14%								
Silicon,7440-21-3†	172.4	0.5843	mg/L	0.02173	0.5843	mg/L	0.02173	3.72%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = 116.87%								
Silver,7440-22-4†	108164.3	0.5138	mg/L	0.00389	0.5138	mg/L	0.00389	0.76%
QC value within limits for Silver,7440-22-4 Recovery = 102.76%								
Sodium,7440-23-5†	71228.1	20.531	mg/L	0.5686	20.531	mg/L	0.5686	2.77%
QC value within limits for Sodium,7440-23-5 Recovery = 102.66%								
Strontium,7440-24-6†	149270.9	0.5222	mg/L	0.01323	0.5222	mg/L	0.01323	2.53%
QC value within limits for Strontium,7440-24-6 Recovery = 104.43%								
Thallium,7440-28-0†	918.3	0.5241	mg/L	0.00786	0.5241	mg/L	0.00786	1.50%
QC value within limits for Thallium,7440-28-0 Recovery = 104.82%								
Tin,7440-31-5†	2211.0	0.5239	mg/L	0.00619	0.5239	mg/L	0.00619	1.18%
QC value within limits for Tin,7440-31-5 Recovery = 104.78%								
Titanium,7440-32-6†	241335.4	0.5147	mg/L	0.00297	0.5147	mg/L	0.00297	0.58%
QC value within limits for Titanium,7440-32-6 Recovery = 102.93%								
Vanadium,7440-62-2†	54236.0	0.5164	mg/L	0.00535	0.5164	mg/L	0.00535	1.04%
QC value within limits for Vanadium,7440-62-2 Recovery = 103.28%								

Zinc,7440-66-6†	35801.2	0.5300 mg/L	0.00362	0.5300 mg/L	0.00362	0.68%
QC value within limits for Zinc,7440-66-6 Recovery = 105.99%						
Zirconium,7440-67-7†	168015.7	0.5160 mg/L	0.00490	0.5160 mg/L	0.00490	0.95%
QC value within limits for Zirconium,7440-67-7 Recovery = 103.21%						

QC Failed. Continue with analysis.

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/9/2006 10:25:39 AM**
Analyst: **Data Type: Reprocessed on 8/10/2006 8:24:06 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
Scandium-IS	2899170.3	100.21	%	1.314				1.31%
Yttrium,7440-65-5A	1588130.7	100.40	%	1.268				1.26%
Yttrium,7440-65-5R	92748.8	101.31	%	0.313				0.31%
Ar 420.067 R	1721940.6	101.91	%	0.263				0.26%
Ar 363.268 A	50607.3	101.06	%	0.714				0.71%
Aluminum,7429-90-5†	-1.3	-0.0046	mg/L	0.01861	-0.0046	mg/L	0.01861	405.70%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-6.3	-0.0039	mg/L	0.00397	-0.0039	mg/L	0.00397	101.60%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	3.0	0.0030	mg/L	0.00909	0.0030	mg/L	0.00909	305.25%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	4.2	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	78.38%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-70.5	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	195.26%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1174.7	0.0443	mg/L	0.00222	0.0443	mg/L	0.00222	5.01%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	17.8	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	44.62%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	8.8	0.0043	mg/L	0.00094	0.0043	mg/L	0.00094	21.75%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	13.1	0.0001	mg/L	0.00018	0.0001	mg/L	0.00018	126.15%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	5.0	0.0002	mg/L	0.00016	0.0002	mg/L	0.00016	80.03%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-0.5	0.0000	mg/L	0.00020	0.0000	mg/L	0.00020	>999.9%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-0.2	-0.0002	mg/L	0.00599	-0.0002	mg/L	0.00599	>999.9%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-12.1	-0.0013	mg/L	0.00104	-0.0013	mg/L	0.00104	78.42%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	10.4	0.0001	mg/L	0.00064	0.0001	mg/L	0.00064	521.81%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-8.9	-0.0302	mg/L	0.00641	-0.0302	mg/L	0.00641	21.20%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-34.4	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	26.60%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	-8.7	-0.0007	mg/L	0.00131	-0.0007	mg/L	0.00131	192.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-10.3	-0.0003	mg/L	0.00001	-0.0003	mg/L	0.00001	2.06%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	-237.0	-0.1075	mg/L	0.07091	-0.1075	mg/L	0.07091	65.96%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-8.9	-0.0076	mg/L	0.00501	-0.0076	mg/L	0.00501	65.80%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	17.6	0.0597	mg/L	0.01135	0.0597	mg/L	0.01135	18.99%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	99.9	0.0005	mg/L	0.00055	0.0005	mg/L	0.00055	115.65%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-1063.5	-0.3071	mg/L	0.01659	-0.3071	mg/L	0.01659	5.40%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-3.4	0.0000	mg/L	0.00020	0.0000	mg/L	0.00020	>999.9%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	-4.6	-0.0026	mg/L	0.00456	-0.0026	mg/L	0.00456	173.60%

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QC value within limits for Thallium,7440-28-0 Recovery = Not calculated

Tin,7440-31-5†	10.1	0.0024 mg/L	0.00053	0.0024 mg/L	0.00053	22.10%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6†	281.1	0.0006 mg/L	0.00004	0.0006 mg/L	0.00004	5.85%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2†	14.5	0.0001 mg/L	0.00044	0.0001 mg/L	0.00044	318.68%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	-276.6	-0.0041 mg/L	0.00035	-0.0041 mg/L	0.00035	8.58%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	130.2	0.0004 mg/L	0.00022	0.0004 mg/L	0.00022	53.80%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
QC Failed. Continue with analysis.

Sequence No.: 12
Sample ID: 160-58-5
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

RJRAJW 8-10-06

Autosampler Location: 17
Date Collected: 8/9/2006 10:32:44 AM
Data Type: Reprocessed on 8/10/2006 8:24:08 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 160-58-5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2859094.8	98.827	%	0.4922				0.50%
Yttrium,7440-65-5A	1565631.2	98.980	%	0.4826				0.49%
Yttrium,7440-65-5R	91762.8	100.23	%	1.171				1.17%
Ar 420.067 R	1705753.5	100.95	%	0.308				0.31%
Ar 363.268 A	50620.4	101.08	%	0.696				0.69%
Aluminum,7429-90-5†	-1.1	-0.0037	mg/L	0.02128	-0.0037	mg/L	0.02128	570.04%
Antimony,7440-36-0†	-0.0	0.0000	mg/L	0.00115	0.0000	mg/L	0.00115	>999.9%
Arsenic,7440-38-2†	8.1	0.0080	mg/L	0.00569	0.0080	mg/L	0.00569	71.32%
Barium,7440-39-3†	-1.9	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	270.11%
Beryllium,7440-41-7†	-186.2	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	42.51%
Boron,7440-42-8†	3489.9	0.1315	mg/L	0.00491	0.1315	mg/L	0.00491	3.73%
Cadmium,7440-43-9†	3.3	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	159.09%
Calcium,7440-70-2†	-2.1	-0.0010	mg/L	0.00252	-0.0010	mg/L	0.00252	240.13%
Chromium,7440-47-3†	24.0	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	129.13%
Cobalt,7440-48-4†	1.5	0.0001	mg/L	0.00014	0.0001	mg/L	0.00014	239.75%
Copper,7440-50-8†	99.5	0.0006	mg/L	0.00020	0.0006	mg/L	0.00020	34.43%
Iron,7439-89-6†	-0.1	-0.0001	mg/L	0.00211	-0.0001	mg/L	0.00211	>999.9%
Lead,7439-92-1†	-7.7	-0.0008	mg/L	0.00173	-0.0008	mg/L	0.00173	205.71%
Lithium,7439-93-2†	-22.9	-0.0003	mg/L	0.00089	-0.0003	mg/L	0.00089	328.34%
Magnesium,7439-95-4†	-10.8	-0.0367	mg/L	0.01164	-0.0367	mg/L	0.01164	31.74%
Manganese,7439-96-5†	-80.9	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	25.78%
Molybdenum,7439-98-7†	282.3	0.0221	mg/L	0.00104	0.0221	mg/L	0.00104	4.71%
Nickel,7440-02-0†	-8.1	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	54.35%
Potassium,7440-09-7†	-306.8	-0.1391	mg/L	0.04679	-0.1391	mg/L	0.04679	33.63%
Selenium,7782-49-2†	-10.9	-0.0093	mg/L	0.01050	-0.0093	mg/L	0.01050	112.41%
Silicon,7440-21-3†	19.9	0.0674	mg/L	0.01440	0.0674	mg/L	0.01440	21.36%
Silver,7440-22-4†	42.7	0.0002	mg/L	0.00043	0.0002	mg/L	0.00043	268.79%
Sodium,7440-23-5†	-1081.8	-0.3125	mg/L	0.00942	-0.3125	mg/L	0.00942	3.01%
Strontium,7440-24-6†	-17.0	-0.0001	mg/L	0.00024	-0.0001	mg/L	0.00024	404.29%
Thallium,7440-28-0†	-1.7	-0.0010	mg/L	0.00577	-0.0010	mg/L	0.00577	594.77%
Tin,7440-31-5†	117.9	0.0279	mg/L	0.00093	0.0279	mg/L	0.00093	3.31%
Titanium,7440-32-6†	202.4	0.0004	mg/L	0.00009	0.0004	mg/L	0.00009	20.29%
Vanadium,7440-62-2†	586.9	0.0056	mg/L	0.00042	0.0056	mg/L	0.00042	7.50%
Zinc,7440-66-6†	-267.0	-0.0039	mg/L	0.00005	-0.0039	mg/L	0.00005	1.27%
Zirconium,7440-67-7†	216.8	0.0007	mg/L	0.00035	0.0007	mg/L	0.00035	52.68%

Sequence No.: 13
Sample ID: 160-58-5
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 18
Date Collected: 8/9/2006 10:39:57 AM
Data Type: Reprocessed on 8/10/2006 8:24:10 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 160-58-5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

001529

167990

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Scandium-IS	2900637.4	100.26	%	1.074				1.07%
Yttrium,7440-65-5A	1590603.8	100.56	%	1.067				1.06%
Yttrium,7440-65-5R	90767.2	99.144	%	0.8791				0.89%
Ar 420.067 R	1707261.8	101.04	%	0.429				0.42%
Ar 363.268 A	50499.9	100.84	%	0.185				0.18%
Aluminum,7429-90-5†	-1.8	-0.0061	mg/L	0.00747	-0.0061	mg/L	0.00747	122.30%
Antimony,7440-36-0†	-5.9	-0.0036	mg/L	0.00484	-0.0036	mg/L	0.00484	133.36%
Arsenic,7440-38-2†	8.1	0.0080	mg/L	0.00638	0.0080	mg/L	0.00638	80.09%
Barium,7440-39-3†	-6.5	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	28.82%
Beryllium,7440-41-7†	-69.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	51.80%
Boron,7440-42-8†	3072.4	0.1157	mg/L	0.00447	0.1157	mg/L	0.00447	3.86%
Cadmium,7440-43-9†	-1.9	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	522.36%
Calcium,7440-70-2†	-8.6	-0.0043	mg/L	0.00101	-0.0043	mg/L	0.00101	23.62%
Chromium,7440-47-3†	25.5	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	57.39%
Cobalt,7440-48-4†	-0.4	0.0000	mg/L	0.00036	0.0000	mg/L	0.00036	>999.9%
Copper,7440-50-8†	-0.1	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	>999.9%
Iron,7439-89-6†	1.1	0.0011	mg/L	0.00299	0.0011	mg/L	0.00299	274.23%
Lead,7439-92-1†	-24.2	-0.0026	mg/L	0.00098	-0.0026	mg/L	0.00098	37.04%
Lithium,7439-93-2†	-111.1	-0.0013	mg/L	0.00083	-0.0013	mg/L	0.00083	63.34%
Magnesium,7439-95-4†	-10.1	-0.0340	mg/L	0.01758	-0.0340	mg/L	0.01758	51.65%
Manganese,7439-96-5†	-81.7	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	32.01%
Molybdenum,7439-98-7†	272.1	0.0213	mg/L	0.00073	0.0213	mg/L	0.00073	3.45%
Nickel,7440-02-0†	-2.8	-0.0001	mg/L	0.00038	-0.0001	mg/L	0.00038	476.51%
Potassium,7440-09-7†	-251.6	-0.1141	mg/L	0.03035	-0.1141	mg/L	0.03035	26.60%
Selenium,7782-49-2†	-4.0	-0.0035	mg/L	0.00281	-0.0035	mg/L	0.00281	80.96%
Silicon,7440-21-3†	14.6	0.0495	mg/L	0.01860	0.0495	mg/L	0.01860	37.60%
Silver,7440-22-4†	-83.6	-0.0004	mg/L	0.00056	-0.0004	mg/L	0.00056	127.93%
Sodium,7440-23-5†	-1119.9	-0.3235	mg/L	0.01143	-0.3235	mg/L	0.01143	3.53%
Strontium,7440-24-6†	-59.9	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	110.01%
Thallium,7440-28-0†	-6.0	-0.0034	mg/L	0.00478	-0.0034	mg/L	0.00478	141.90%
Tin,7440-31-5†	115.1	0.0273	mg/L	0.00141	0.0273	mg/L	0.00141	5.15%
Titanium,7440-32-6†	165.8	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	27.62%
Vanadium,7440-62-2†	468.6	0.0045	mg/L	0.00016	0.0045	mg/L	0.00016	3.48%
Zinc,7440-66-6†	-288.2	-0.0042	mg/L	0.00008	-0.0042	mg/L	0.00008	1.97%
Zirconium,7440-67-7†	23.3	0.0001	mg/L	0.00020	0.0001	mg/L	0.00020	280.95%

Sequence No.: 14
Sample ID: 20608050211
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 19
Date Collected: 8/9/2006 10:47:10 AM
Data Type: Reprocessed on 8/10/2006 8:24:12 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608050211

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3367365.7	116.40	%	0.525				0.45%
Yttrium,7440-65-5A	1793167.2	113.37	%	0.550				0.49%
Yttrium,7440-65-5R	114503.9	125.07	%	1.844				1.47%
Ar 420.067 R	1902459.2	112.59	%	1.047				0.93%
Ar 363.268 A	50680.2	101.20	%	0.558				0.55%
Aluminum,7429-90-5†	10.6	0.0368	mg/L	0.01451	0.0368	mg/L	0.01451	39.38%
Antimony,7440-36-0†	-4.7	-0.0029	mg/L	0.00225	-0.0029	mg/L	0.00225	78.17%
Arsenic,7440-38-2†	68.4	0.0673	mg/L	0.00321	0.0673	mg/L	0.00321	4.77%
Barium,7440-39-3†	22681.2	0.2491	mg/L	0.00242	0.2491	mg/L	0.00242	0.97%
Beryllium,7440-41-7†	-873.0	-0.0003	mg/L	0.00001	-0.0003	mg/L	0.00001	4.30%
Boron,7440-42-8†	2013.4	0.0759	mg/L	0.00285	0.0759	mg/L	0.00285	3.75%
Cadmium,7440-43-9†	-0.5	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	356.76%
Calcium,7440-70-2†	1536.5	0.7613	mg/L	0.00658	0.7613	mg/L	0.00658	0.86%
Chromium,7440-47-3†	62.7	0.0007	mg/L	0.00018	0.0007	mg/L	0.00018	26.19%
Cobalt,7440-48-4†	-14.4	-0.0006	mg/L	0.00046	-0.0006	mg/L	0.00046	81.02%
Copper,7440-50-8†	543.3	0.0032	mg/L	0.00023	0.0032	mg/L	0.00023	7.20%
Iron,7439-89-6†	5.2	0.0051	mg/L	0.00218	0.0051	mg/L	0.00218	42.54%
Lead,7439-92-1†	7.0	0.0008	mg/L	0.00164	0.0008	mg/L	0.00164	212.25%
Lithium,7439-93-2†	17.2	0.0002	mg/L	0.00072	0.0002	mg/L	0.00072	356.21%
Magnesium,7439-95-4†	14.1	0.0477	mg/L	0.01736	0.0477	mg/L	0.01736	36.40%
Manganese,7439-96-5†	2497.7	0.0055	mg/L	0.00007	0.0055	mg/L	0.00007	1.29%
Molybdenum,7439-98-7†	18.1	0.0014	mg/L	0.00175	0.0014	mg/L	0.00175	123.58%
Nickel,7440-02-0†	6.4	0.0002	mg/L	0.00027	0.0002	mg/L	0.00027	142.23%

Potassium,7440-09-7†	2183.4	0.9901	mg/L	0.06658	0.9901	mg/L	0.06658 6.72%
Selenium,7782-49-2†	-4.4	-0.0038	mg/L	0.00108	-0.0038	mg/L	0.00108 28.69%
Silicon,7440-21-3†	13.9	0.0470	mg/L	0.01356	0.0470	mg/L	0.01356 28.83%
Silver,7440-22-4†	195.5	0.0009	mg/L	0.00037	0.0009	mg/L	0.00037 40.23%
Sodium,7440-23-5†	Saturated2						
Strontium,7440-24-6†	2690.2	0.0094	mg/L	0.00014	0.0094	mg/L	0.00014 1.52%
Thallium,7440-28-0†	13.5	0.0077	mg/L	0.00218	0.0077	mg/L	0.00218 28.40%
Tin,7440-31-5†	17.0	0.0040	mg/L	0.00139	0.0040	mg/L	0.00139 34.28%
Titanium,7440-32-6†	636.9	0.0014	mg/L	0.00004	0.0014	mg/L	0.00004 3.16%
Vanadium,7440-62-2†	225.8	0.0021	mg/L	0.00022	0.0021	mg/L	0.00022 10.33%
Zinc,7440-66-6†	12346.9	0.1823	mg/L	0.00237	0.1823	mg/L	0.00237 1.30%
Zirconium,7440-67-7†	232.5	0.0007	mg/L	0.00045	0.0007	mg/L	0.00045 63.47%

Sequence No.: 15
Sample ID: 20608050212
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 20
Date Collected: 8/9/2006 10:54:23 AM
Data Type: Reprocessed on 8/10/2006 8:24:16 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608050212

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3371414.8	116.54	%	2.928				2.51%
Yttrium,7440-65-5A	1799623.9	113.77	%	2.789				2.45%
Yttrium,7440-65-5R	117680.7	128.54	%	3.123				2.43%
Ar 420.067 R	1943871.3	115.04	%	0.465				0.40%
Ar 363.268 A	50436.4	100.72	%	0.231				0.23%
Aluminum,7429-90-5†	9.1	0.0316	mg/L	0.00365	0.0316	mg/L	0.00365	11.56%
Antimony,7440-36-0†	0.6	0.0004	mg/L	0.00745	0.0004	mg/L	0.00745	>999.9%
Arsenic,7440-38-2†	63.1	0.0620	mg/L	0.00453	0.0620	mg/L	0.00453	7.31%
Barium,7440-39-3†	25630.9	0.2815	mg/L	0.00206	0.2815	mg/L	0.00206	0.73%
Beryllium,7440-41-7†	-881.1	-0.0003	mg/L	0.00002	-0.0003	mg/L	0.00002	5.40%
Boron,7440-42-8†	2244.9	0.0845	mg/L	0.00160	0.0845	mg/L	0.00160	1.89%
Cadmium,7440-43-9†	63.7	0.0006	mg/L	0.00008	0.0006	mg/L	0.00008	12.13%
Calcium,7440-70-2†	6353.0	3.1476	mg/L	0.07032	3.1476	mg/L	0.07032	2.23%
Chromium,7440-47-3†	155.5	0.0017	mg/L	0.00027	0.0017	mg/L	0.00027	16.44%
Cobalt,7440-48-4†	32.1	0.0012	mg/L	0.00043	0.0012	mg/L	0.00043	34.38%
Copper,7440-50-8†	1258.3	0.0074	mg/L	0.00017	0.0074	mg/L	0.00017	2.23%
Iron,7439-89-6†	86.7	0.0851	mg/L	0.00160	0.0851	mg/L	0.00160	1.88%
Lead,7439-92-1†	115.1	0.0126	mg/L	0.00096	0.0126	mg/L	0.00096	7.60%
Lithium,7439-93-2†	12.2	0.0001	mg/L	0.00047	0.0001	mg/L	0.00047	347.55%
Magnesium,7439-95-4†	61.9	0.2096	mg/L	0.00960	0.2096	mg/L	0.00960	4.58%
Manganese,7439-96-5†	6859.0	0.0152	mg/L	0.00014	0.0152	mg/L	0.00014	0.92%
Molybdenum,7439-98-7†	45.1	0.0035	mg/L	0.00059	0.0035	mg/L	0.00059	16.88%
Nickel,7440-02-0†	22.7	0.0007	mg/L	0.00047	0.0007	mg/L	0.00047	70.86%
Potassium,7440-09-7†	2357.6	1.0687	mg/L	0.04149	1.0687	mg/L	0.04149	3.88%
Selenium,7782-49-2†	-0.9	-0.0008	mg/L	0.00109	-0.0008	mg/L	0.00109	142.35%
Silicon,7440-21-3†	20.1	0.0682	mg/L	0.01053	0.0682	mg/L	0.01053	15.45%
Silver,7440-22-4†	162.0	0.0008	mg/L	0.00025	0.0008	mg/L	0.00025	32.76%
Sodium,7440-23-5†	5749365.3	1660.5	mg/L	36.92	1660.5	mg/L	36.92	2.22%
Strontium,7440-24-6†	4172.9	0.0146	mg/L	0.00037	0.0146	mg/L	0.00037	2.52%
Thallium,7440-28-0†	13.6	0.0077	mg/L	0.00208	0.0077	mg/L	0.00208	27.02%
Tin,7440-31-5†	11.1	0.0027	mg/L	0.00176	0.0027	mg/L	0.00176	66.06%
Titanium,7440-32-6†	571.4	0.0012	mg/L	0.00006	0.0012	mg/L	0.00006	4.89%
Vanadium,7440-62-2†	337.3	0.0032	mg/L	0.00055	0.0032	mg/L	0.00055	17.07%
Zinc,7440-66-6†	67910.3	1.0029	mg/L	0.01058	1.0029	mg/L	0.01058	1.05%
Zirconium,7440-67-7†	254.2	0.0008	mg/L	0.00039	0.0008	mg/L	0.00039	49.42%

Sequence No.: 16
Sample ID: 20608041101
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 8/9/2006 11:02:02 AM
Data Type: Reprocessed on 8/10/2006 8:24:20 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608041101

Analyte	Mean Corrected	Calib	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Scandium-IS	3413534.0	117.99	%	1.410				1.20%
Yttrium,7440-65-5A	1813487.6	114.65	%	1.457				1.27%
Yttrium,7440-65-5R	114710.6	125.30	%	0.341				0.27%
Ar 420.067 R	1924581.7	113.90	%	0.375				0.33%
Ar 363.268 A	50174.0	100.19	%	0.761				0.76%
Aluminum,7429-90-5†	6.5	0.0228	mg/L	0.02278	0.0228	mg/L	0.02278	99.71%
Antimony,7440-36-0†	7.4	0.0046	mg/L	0.00373	0.0046	mg/L	0.00373	80.95%
Arsenic,7440-38-2†	78.9	0.0776	mg/L	0.00438	0.0776	mg/L	0.00438	5.64%
Barium,7440-39-3†	15577.3	0.1711	mg/L	0.00293	0.1711	mg/L	0.00293	1.71%
Beryllium,7440-41-7†	-923.4	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	9.53%
Boron,7440-42-8†	1381.2	0.0520	mg/L	0.00194	0.0520	mg/L	0.00194	3.73%
Cadmium,7440-43-9†	-42.9	-0.0004	mg/L	0.00008	-0.0004	mg/L	0.00008	17.17%
Calcium,7440-70-2†	440.9	0.2184	mg/L	0.01070	0.2184	mg/L	0.01070	4.90%
Chromium,7440-47-3†	62.6	0.0007	mg/L	0.00009	0.0007	mg/L	0.00009	13.34%
Cobalt,7440-48-4†	-10.0	-0.0004	mg/L	0.00036	-0.0004	mg/L	0.00036	90.08%
Copper,7440-50-8†	294.2	0.0017	mg/L	0.00050	0.0017	mg/L	0.00050	28.51%
Iron,7439-89-6†	11.3	0.0111	mg/L	0.00233	0.0111	mg/L	0.00233	20.97%
Lead,7439-92-1†	-29.9	-0.0033	mg/L	0.00206	-0.0033	mg/L	0.00206	63.06%
Lithium,7439-93-2†	80.4	0.0010	mg/L	0.00044	0.0010	mg/L	0.00044	46.41%
Magnesium,7439-95-4†	4.6	0.0155	mg/L	0.01100	0.0155	mg/L	0.01100	70.79%
Manganese,7439-96-5†	3910.1	0.0087	mg/L	0.00007	0.0087	mg/L	0.00007	0.78%
Molybdenum,7439-98-7†	20.2	0.0016	mg/L	0.00052	0.0016	mg/L	0.00052	32.68%
Nickel,7440-02-0†	-12.4	-0.0004	mg/L	0.00013	-0.0004	mg/L	0.00013	36.78%
Potassium,7440-09-7†	2093.2	0.9492	mg/L	0.01827	0.9492	mg/L	0.01827	1.93%
Selenium,7782-49-2†	-0.4	-0.0003	mg/L	0.00200	-0.0003	mg/L	0.00200	587.08%
Silicon,7440-21-3†	3.7	0.0126	mg/L	0.00653	0.0126	mg/L	0.00653	51.76%
Silver,7440-22-4†	127.6	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	12.27%
Sodium,7440-23-5†	6028701.9	1741.2	mg/L	6.92	1741.2	mg/L	6.92	0.40%
Strontium,7440-24-6†	1539.9	0.0054	mg/L	0.00019	0.0054	mg/L	0.00019	3.58%
Thallium,7440-28-0†	14.1	0.0080	mg/L	0.00783	0.0080	mg/L	0.00783	97.61%
Tin,7440-31-5†	10.0	0.0024	mg/L	0.00139	0.0024	mg/L	0.00139	58.38%
Titanium,7440-32-6†	948.3	0.0020	mg/L	0.00010	0.0020	mg/L	0.00010	4.83%
Vanadium,7440-62-2†	319.0	0.0030	mg/L	0.00040	0.0030	mg/L	0.00040	13.08%
Zinc,7440-66-6†	77734.0	1.1480	mg/L	0.01895	1.1480	mg/L	0.01895	1.65%
Zirconium,7440-67-7†	171.8	0.0005	mg/L	0.00008	0.0005	mg/L	0.00008	14.89%

Sequence No.: 17
Sample ID: 20608040501
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 8/9/2006 11:09:42 AM
Data Type: Reprocessed on 8/10/2006 8:24:22 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608040501

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3334620.7	115.26	%	2.478				2.15%
Yttrium,7440-65-5A	1772290.5	112.05	%	2.411				2.15%
Yttrium,7440-65-5R	116558.0	127.31	%	2.222				1.74%
Ar 420.067 R	1929795.8	114.21	%	0.557				0.49%
Ar 363.268 A	50016.7	99.879	%	0.3125				0.31%
Aluminum,7429-90-5†	23.4	0.0815	mg/L	0.01327	0.0815	mg/L	0.01327	16.28%
Antimony,7440-36-0†	1.7	0.0014	mg/L	0.00457	0.0014	mg/L	0.00457	328.04%
Arsenic,7440-38-2†	79.7	0.0775	mg/L	0.00176	0.0775	mg/L	0.00176	2.27%
Barium,7440-39-3†	56985.0	0.6259	mg/L	0.00213	0.6259	mg/L	0.00213	0.34%
Beryllium,7440-41-7†	-419.7	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	40.32%
Boron,7440-42-8†	2503.8	0.0949	mg/L	0.00220	0.0949	mg/L	0.00220	2.32%
Cadmium,7440-43-9†	166.8	0.0016	mg/L	0.00017	0.0016	mg/L	0.00017	10.52%
Calcium,7440-70-2†	64942.8	32.176	mg/L	0.0628	32.176	mg/L	0.0628	0.20%
Chromium,7440-47-3†	102.5	0.0014	mg/L	0.00034	0.0014	mg/L	0.00034	23.86%
Cobalt,7440-48-4†	4.8	0.0002	mg/L	0.00033	0.0002	mg/L	0.00033	189.64%
Copper,7440-50-8†	349.0	0.0020	mg/L	0.00052	0.0020	mg/L	0.00052	25.57%
Iron,7439-89-6†	44.8	0.0433	mg/L	0.00149	0.0433	mg/L	0.00149	3.43%
Lead,7439-92-1†	2576.3	0.2821	mg/L	0.00690	0.2821	mg/L	0.00690	2.44%
Lithium,7439-93-2†	224.9	0.0026	mg/L	0.00049	0.0026	mg/L	0.00049	19.15%
Magnesium,7439-95-4†	1915.9	6.4829	mg/L	0.02849	6.4829	mg/L	0.02849	0.44%
Manganese,7439-96-5†	137171.5	0.3039	mg/L	0.00101	0.3039	mg/L	0.00101	0.33%
Molybdenum,7439-98-7†	48.5	0.0038	mg/L	0.00068	0.0038	mg/L	0.00068	17.77%
Nickel,7440-02-0†	48.7	0.0014	mg/L	0.00018	0.0014	mg/L	0.00018	12.92%

Potassium,7440-09-7†	3976.9	1.7976 mg/L	0.05119	1.7976 mg/L	0.05119	2.85%
Selenium,7782-49-2†	0.6	0.0003 mg/L	0.00205	0.0003 mg/L	0.00205	735.18%
Silicon,7440-21-3†	211.8	0.7183 mg/L	0.00852	0.7183 mg/L	0.00852	1.19%
Silver,7440-22-4†	360.8	0.0017 mg/L	0.00016	0.0017 mg/L	0.00016	9.24%
Sodium,7440-23-5†	6213103.6	1794.4 mg/L	30.93	1794.4 mg/L	30.93	1.72%
Strontium,7440-24-6†	50558.2	0.1769 mg/L	0.00122	0.1769 mg/L	0.00122	0.69%
Thallium,7440-28-0†	8.5	0.0048 mg/L	0.00139	0.0048 mg/L	0.00139	29.03%
Tin,7440-31-5†	-0.7	0.0003 mg/L	0.00085	0.0003 mg/L	0.00085	323.35%
Titanium,7440-32-6†	688.0	0.0015 mg/L	0.00023	0.0015 mg/L	0.00023	15.56%
Vanadium,7440-62-2†	371.1	0.0035 mg/L	0.00065	0.0035 mg/L	0.00065	18.45%
Zinc,7440-66-6†	14779.4	0.2186 mg/L	0.00077	0.2186 mg/L	0.00077	0.35%
Zirconium,7440-67-7†	372.5	0.0011 mg/L	0.00023	0.0011 mg/L	0.00023	20.51%

Sequence No.: 18
Sample ID: 398816
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 8/9/2006 11:17:27 AM
Data Type: Reprocessed on 8/10/2006 8:24:24 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398816

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3691855.4	127.61	%	0.582				0.46%
Yttrium,7440-65-5A	2017202.2	127.53	%	0.653				0.51%
Yttrium,7440-65-5R	120273.4	131.37	%	0.431				0.33%
Ar 420.067 R	1922237.7	113.76	%	0.361				0.32%
Ar 363.268 A	50765.4	101.37	%	0.137				0.13%
Aluminum,7429-90-5†	8.0	0.0278	mg/L	0.01065	0.0278	mg/L	0.01065	38.34%
Antimony,7440-36-0†	-0.4	-0.0002	mg/L	0.00477	-0.0002	mg/L	0.00477	>999.9%
Arsenic,7440-38-2†	8.8	0.0087	mg/L	0.00386	0.0087	mg/L	0.00386	44.27%
Barium,7440-39-3†	57.1	0.0006	mg/L	0.00013	0.0006	mg/L	0.00013	20.67%
Beryllium,7440-41-7†	-52.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	147.99%
Boron,7440-42-8†	-157.6	-0.0059	mg/L	0.00077	-0.0059	mg/L	0.00077	12.99%
Cadmium,7440-43-9†	-39.8	-0.0004	mg/L	0.00008	-0.0004	mg/L	0.00008	20.80%
Calcium,7440-70-2†	-25.3	-0.0125	mg/L	0.00270	-0.0125	mg/L	0.00270	21.49%
Chromium,7440-47-3†	-19.5	-0.0002	mg/L	0.00043	-0.0002	mg/L	0.00043	206.61%
Cobalt,7440-48-4†	9.2	0.0004	mg/L	0.00036	0.0004	mg/L	0.00036	99.20%
Copper,7440-50-8†	-143.9	-0.0009	mg/L	0.00013	-0.0009	mg/L	0.00013	14.79%
Iron,7439-89-6†	1.3	0.0013	mg/L	0.00530	0.0013	mg/L	0.00530	409.74%
Lead,7439-92-1†	-21.9	-0.0024	mg/L	0.00072	-0.0024	mg/L	0.00072	29.98%
Lithium,7439-93-2†	-56.2	-0.0007	mg/L	0.00122	-0.0007	mg/L	0.00122	182.96%
Magnesium,7439-95-4†	-0.7	-0.0024	mg/L	0.01543	-0.0024	mg/L	0.01543	637.85%
Manganese,7439-96-5†	-26.8	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	57.61%
Molybdenum,7439-98-7†	12.8	0.0010	mg/L	0.00050	0.0010	mg/L	0.00050	50.15%
Nickel,7440-02-0†	-32.4	-0.0010	mg/L	0.00025	-0.0010	mg/L	0.00025	26.23%
Potassium,7440-09-7†	715.2	0.3244	mg/L	0.01009	0.3244	mg/L	0.01009	3.11%
Selenium,7782-49-2†	-10.1	-0.0086	mg/L	0.00293	-0.0086	mg/L	0.00293	33.99%
Silicon,7440-21-3†	-16.1	-0.0546	mg/L	0.00702	-0.0546	mg/L	0.00702	12.87%
Silver,7440-22-4†	139.0	0.0007	mg/L	0.00064	0.0007	mg/L	0.00064	94.99%
Sodium,7440-23-5†	3073.7	0.8877	mg/L	0.02586	0.8877	mg/L	0.02586	2.91%
Strontium,7440-24-6†	52.6	0.0002	mg/L	0.00025	0.0002	mg/L	0.00025	137.19%
Thallium,7440-28-0†	0.8	0.0004	mg/L	0.00349	0.0004	mg/L	0.00349	815.02%
Tin,7440-31-5†	-1.8	-0.0004	mg/L	0.00089	-0.0004	mg/L	0.00089	209.63%
Titanium,7440-32-6†	123.6	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	53.12%
Vanadium,7440-62-2†	-122.3	-0.0012	mg/L	0.00045	-0.0012	mg/L	0.00045	38.78%
Zinc,7440-66-6†	-286.8	-0.0042	mg/L	0.00009	-0.0042	mg/L	0.00009	2.06%
Zirconium,7440-67-7†	-324.5	-0.0010	mg/L	0.00028	-0.0010	mg/L	0.00028	28.06%

Sequence No.: 19
Sample ID: 398817
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 8/9/2006 11:24:55 AM
Data Type: Reprocessed on 8/10/2006 8:24:27 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398817

Analyte	Mean Corrected	Calib	Sample

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Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Scandium-IS	3611231.1	124.83	%	0.763				0.61%
Yttrium,7440-65-5A	1935469.6	122.36	%	0.680				0.56%
Yttrium,7440-65-5R	118000.3	128.89	%	0.926				0.72%
Ar 420.067 R	1909691.1	113.02	%	0.347				0.31%
Ar 363.268 A	50662.6	101.17	%	0.231				0.23%
Aluminum,7429-90-5†	1583.1	5.5238	mg/L	0.02482	5.5238	mg/L	0.02482	0.45%
Antimony,7440-36-0†	939.3	0.5910	mg/L	0.00458	0.5910	mg/L	0.00458	0.77%
Arsenic,7440-38-2†	612.0	0.6021	mg/L	0.00201	0.6021	mg/L	0.00201	0.33%
Barium,7440-39-3†	52210.1	0.5726	mg/L	0.00109	0.5726	mg/L	0.00109	0.19%
Beryllium,7440-41-7†	1539821.9	0.5676	mg/L	0.00194	0.5676	mg/L	0.00194	0.34%
Boron,7440-42-8†	78515.2	2.9536	mg/L	0.01459	2.9536	mg/L	0.01459	0.49%
Cadmium,7440-43-9†	59315.2	0.6020	mg/L	0.00061	0.6020	mg/L	0.00061	0.10%
Calcium,7440-70-2†	11925.3	5.9152	mg/L	0.09916	5.9152	mg/L	0.09916	1.68%
Chromium,7440-47-3†	53327.5	0.5711	mg/L	0.00171	0.5711	mg/L	0.00171	0.30%
Cobalt,7440-48-4†	15025.9	0.5872	mg/L	0.00269	0.5872	mg/L	0.00269	0.46%
Copper,7440-50-8†	93831.8	0.5554	mg/L	0.00121	0.5554	mg/L	0.00121	0.22%
Iron,7439-89-6†	6106.9	5.9932	mg/L	0.04046	5.9932	mg/L	0.04046	0.68%
Lead,7439-92-1†	5422.5	0.5943	mg/L	0.00470	0.5943	mg/L	0.00470	0.79%
Lithium,7439-93-2†	45113.3	0.5346	mg/L	0.00808	0.5346	mg/L	0.00808	1.51%
Magnesium,7439-95-4†	1844.0	6.2378	mg/L	0.01945	6.2378	mg/L	0.01945	0.31%
Manganese,7439-96-5†	258334.9	0.5725	mg/L	0.00168	0.5725	mg/L	0.00168	0.29%
Molybdenum,7439-98-7†	7327.7	0.5727	mg/L	0.00446	0.5727	mg/L	0.00446	0.78%
Nickel,7440-02-0†	19959.5	0.5899	mg/L	0.00384	0.5899	mg/L	0.00384	0.65%
Potassium,7440-09-7†	24821.9	11.250	mg/L	0.1997	11.250	mg/L	0.1997	1.77%
Selenium,7782-49-2†	713.4	0.6146	mg/L	0.01714	0.6146	mg/L	0.01714	2.79%
Silicon,7440-21-3†	154.8	0.5245	mg/L	0.01005	0.5245	mg/L	0.01005	1.92%
Silver,7440-22-4†	114677.9	0.5446	mg/L	0.00125	0.5446	mg/L	0.00125	0.23%
Sodium,7440-23-5†	79816.0	23.007	mg/L	0.3023	23.007	mg/L	0.3023	1.31%
Strontium,7440-24-6†	161773.3	0.5659	mg/L	0.00277	0.5659	mg/L	0.00277	0.49%
Thallium,7440-28-0†	1037.5	0.5919	mg/L	0.00354	0.5919	mg/L	0.00354	0.60%
Tin,7440-31-5†	2591.6	0.6141	mg/L	0.00252	0.6141	mg/L	0.00252	0.41%
Titanium,7440-32-6†	261226.4	0.5571	mg/L	0.00215	0.5571	mg/L	0.00215	0.39%
Vanadium,7440-62-2†	59207.4	0.5637	mg/L	0.00194	0.5637	mg/L	0.00194	0.34%
Zinc,7440-66-6†	39251.6	0.5811	mg/L	0.00075	0.5811	mg/L	0.00075	0.13%
Zirconium,7440-67-7†	1196.8	0.0048	mg/L	0.00057	0.0048	mg/L	0.00057	12.07%

Sequence No.: 20
Sample ID: 20608050208
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 25
Date Collected: 8/9/2006 11:32:05 AM
Data Type: Reprocessed on 8/10/2006 8:24:29 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608050208

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3723017.9	128.69	%	1.033				0.80%
Yttrium,7440-65-5A	2002985.0	126.63	%	1.131				0.89%
Yttrium,7440-65-5R	119100.4	130.09	%	1.084				0.83%
Ar 420.067 R	1915858.9	113.38	%	0.135				0.12%
Ar 363.268 A	50624.2	101.09	%	0.099				0.10%
Aluminum,7429-90-5†	17.0	0.0595	mg/L	0.02494	0.0595	mg/L	0.02494	41.91%
Antimony,7440-36-0†	-0.9	-0.0006	mg/L	0.00131	-0.0006	mg/L	0.00131	232.25%
Arsenic,7440-38-2†	11.1	0.0108	mg/L	0.00173	0.0108	mg/L	0.00173	15.99%
Barium,7440-39-3†	19505.6	0.2142	mg/L	0.00044	0.2142	mg/L	0.00044	0.20%
Beryllium,7440-41-7†	74.8	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	129.28%
Boron,7440-42-8†	4678.2	0.1763	mg/L	0.00375	0.1763	mg/L	0.00375	2.12%
Cadmium,7440-43-9†	-34.6	-0.0004	mg/L	0.00002	-0.0004	mg/L	0.00002	6.35%
Calcium,7440-70-2†	3267.0	1.6188	mg/L	0.02217	1.6188	mg/L	0.02217	1.37%
Chromium,7440-47-3†	-35.5	-0.0003	mg/L	0.00023	-0.0003	mg/L	0.00023	74.36%
Cobalt,7440-48-4†	0.1	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%
Copper,7440-50-8†	-14.0	0.0000	mg/L	0.00032	0.0000	mg/L	0.00032	>999.9%
Iron,7439-89-6†	79.2	0.0779	mg/L	0.00217	0.0779	mg/L	0.00217	2.78%
Lead,7439-92-1†	-23.3	-0.0025	mg/L	0.00102	-0.0025	mg/L	0.00102	40.58%
Lithium,7439-93-2†	334.2	0.0039	mg/L	0.00087	0.0039	mg/L	0.00087	22.15%
Magnesium,7439-95-4†	21.9	0.0745	mg/L	0.01311	0.0745	mg/L	0.01311	17.59%
Manganese,7439-96-5†	72317.2	0.1602	mg/L	0.00098	0.1602	mg/L	0.00098	0.61%
Molybdenum,7439-98-7†	29.2	0.0023	mg/L	0.00037	0.0023	mg/L	0.00037	16.20%
Nickel,7440-02-0†	7.9	0.0002	mg/L	0.00065	0.0002	mg/L	0.00065	296.84%

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Potassium,7440-09-7†	1093.8	0.4956	mg/L	0.01770	0.4956	mg/L	0.01770 3.57%
Selenium,7782-49-2†	-9.5	-0.0081	mg/L	0.00468	-0.0081	mg/L	0.00468 57.97%
Silicon,7440-21-3†	24.8	0.0842	mg/L	0.00666	0.0842	mg/L	0.00666 7.91%
Silver,7440-22-4†	258.1	0.0012	mg/L	0.00060	0.0012	mg/L	0.00060 48.83%
Sodium,7440-23-5†	26466.6	7.6407	mg/L	0.15198	7.6407	mg/L	0.15198 1.99%
Strontium,7440-24-6†	4665.5	0.0163	mg/L	0.00006	0.0163	mg/L	0.00006 0.36%
Thallium,7440-28-0†	1.2	0.0006	mg/L	0.00356	0.0006	mg/L	0.00356 572.15%
Tin,7440-31-5†	3.0	0.0007	mg/L	0.00148	0.0007	mg/L	0.00148 199.75%
Titanium,7440-32-6†	-267.9	-0.0006	mg/L	0.00019	-0.0006	mg/L	0.00019 33.83%
Vanadium,7440-62-2†	36.9	0.0003	mg/L	0.00049	0.0003	mg/L	0.00049 144.16%
Zinc,7440-66-6†	2411.0	0.0356	mg/L	0.00059	0.0356	mg/L	0.00059 1.66%
Zirconium,7440-67-7†	-371.6	-0.0011	mg/L	0.00030	-0.0011	mg/L	0.00030 26.05%

Sequence No.: 21
Sample ID: 398818
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 26
Date Collected: 8/9/2006 11:39:15 AM
Data Type: Reprocessed on 8/10/2006 8:24:30 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398818

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3715290.5	128.42	%	0.863				0.67%
Yttrium,7440-65-5A	2001386.2	126.53	%	0.900				0.71%
Yttrium,7440-65-5R	120438.7	131.55	%	1.908				1.45%
Ar 420.067 R	1921122.6	113.69	%	0.323				0.28%
Ar 363.268 A	50521.8	100.89	%	0.322				0.32%
Aluminum,7429-90-5†	18.8	0.0657	mg/L	0.02430	0.0657	mg/L	0.02430	36.97%
Antimony,7440-36-0†	-5.4	-0.0033	mg/L	0.00580	-0.0033	mg/L	0.00580	176.29%
Arsenic,7440-38-2†	6.7	0.0065	mg/L	0.00328	0.0065	mg/L	0.00328	50.17%
Barium,7440-39-3†	18229.0	0.2002	mg/L	0.00173	0.2002	mg/L	0.00173	0.86%
Beryllium,7440-41-7†	-9.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	295.97%
Boron,7440-42-8†	3757.7	0.1417	mg/L	0.00174	0.1417	mg/L	0.00174	1.23%
Cadmium,7440-43-9†	-44.5	-0.0005	mg/L	0.00007	-0.0005	mg/L	0.00007	15.68%
Calcium,7440-70-2†	3138.0	1.5550	mg/L	0.01829	1.5550	mg/L	0.01829	1.18%
Chromium,7440-47-3†	-30.2	-0.0002	mg/L	0.00019	-0.0002	mg/L	0.00019	79.55%
Cobalt,7440-48-4†	5.1	0.0002	mg/L	0.00019	0.0002	mg/L	0.00019	94.90%
Copper,7440-50-8†	-45.7	-0.0002	mg/L	0.00004	-0.0002	mg/L	0.00004	21.42%
Iron,7439-89-6†	16.5	0.0164	mg/L	0.00426	0.0164	mg/L	0.00426	25.97%
Lead,7439-92-1†	-37.8	-0.0041	mg/L	0.00109	-0.0041	mg/L	0.00109	26.39%
Lithium,7439-93-2†	218.5	0.0026	mg/L	0.00076	0.0026	mg/L	0.00076	29.70%
Magnesium,7439-95-4†	26.9	0.0915	mg/L	0.01749	0.0915	mg/L	0.01749	19.12%
Manganese,7439-96-5†	71896.2	0.1593	mg/L	0.00154	0.1593	mg/L	0.00154	0.96%
Molybdenum,7439-98-7†	23.1	0.0018	mg/L	0.00063	0.0018	mg/L	0.00063	34.65%
Nickel,7440-02-0†	0.6	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	>999.9%
Potassium,7440-09-7†	1066.8	0.4834	mg/L	0.00674	0.4834	mg/L	0.00674	1.39%
Selenium,7782-49-2†	-2.1	-0.0017	mg/L	0.00612	-0.0017	mg/L	0.00612	352.83%
Silicon,7440-21-3†	19.6	0.0666	mg/L	0.00901	0.0666	mg/L	0.00901	13.54%
Silver,7440-22-4†	178.0	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	31.00%
Sodium,7440-23-5†	26621.4	7.6855	mg/L	0.07802	7.6855	mg/L	0.07802	1.02%
Strontium,7440-24-6†	4467.1	0.0156	mg/L	0.00028	0.0156	mg/L	0.00028	1.78%
Thallium,7440-28-0†	-3.6	-0.0021	mg/L	0.00493	-0.0021	mg/L	0.00493	231.86%
Tin,7440-31-5†	-5.3	-0.0012	mg/L	0.00050	-0.0012	mg/L	0.00050	40.44%
Titanium,7440-32-6†	-338.6	-0.0007	mg/L	0.00039	-0.0007	mg/L	0.00039	53.65%
Vanadium,7440-62-2†	16.7	0.0001	mg/L	0.00022	0.0001	mg/L	0.00022	151.08%
Zinc,7440-66-6†	1482.0	0.0219	mg/L	0.00056	0.0219	mg/L	0.00056	2.56%
Zirconium,7440-67-7†	-398.3	-0.0012	mg/L	0.00010	-0.0012	mg/L	0.00010	8.36%

Sequence No.: 22
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 11:46:29 AM
Data Type: Reprocessed on 8/10/2006 8:24:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Mean Corrected Calib Sample

001535

167996

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Scandium-IS	3615850.2	124.99	%	0.763				0.61%
Yttrium,7440-65-5A	1935957.1	122.39	%	0.708				0.58%
Yttrium,7440-65-5R	118203.3	129.11	%	1.447				1.12%
Ar 420.067 R	1924795.0	113.91	%	0.229				0.20%
Ar 363.268 A	50379.6	100.60	%	0.345				0.34%
Aluminum,7429-90-5†	1520.4	5.3051	mg/L	0.07818	5.3051	mg/L	0.07818	1.47%
QC value within limits for Aluminum,7429-90-5 Recovery = 106.10%								
Antimony,7440-36-0†	892.5	0.5615	mg/L	0.00515	0.5615	mg/L	0.00515	0.92%
QC value greater than the upper limit for Antimony,7440-36-0 Recovery = 112.31%								
Arsenic,7440-38-2†	590.5	0.5810	mg/L	0.00563	0.5810	mg/L	0.00563	0.97%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 116.20%								
Barium,7440-39-3†	49392.0	0.5417	mg/L	0.00695	0.5417	mg/L	0.00695	1.28%
QC value within limits for Barium,7440-39-3 Recovery = 108.33%								
Beryllium,7440-41-7†	1495109.9	0.5511	mg/L	0.00232	0.5511	mg/L	0.00232	0.42%
QC value within limits for Beryllium,7440-41-7 Recovery = 110.23%								
Boron,7440-42-8†	74659.4	2.8084	mg/L	0.04431	2.8084	mg/L	0.04431	1.58%
QC value greater than the upper limit for Boron,7440-42-8 Recovery = 112.33%								
Cadmium,7440-43-9†	56234.8	0.5708	mg/L	0.00831	0.5708	mg/L	0.00831	1.46%
QC value greater than the upper limit for Cadmium,7440-43-9 Recovery = 114.15%								
Calcium,7440-70-2†	11577.1	5.7424	mg/L	0.08650	5.7424	mg/L	0.08650	1.51%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 114.85%								
Chromium,7440-47-3†	50630.8	0.5422	mg/L	0.00744	0.5422	mg/L	0.00744	1.37%
QC value within limits for Chromium,7440-47-3 Recovery = 108.44%								
Cobalt,7440-48-4†	14159.3	0.5533	mg/L	0.00884	0.5533	mg/L	0.00884	1.60%
QC value greater than the upper limit for Cobalt,7440-48-4 Recovery = 110.67%								
Copper,7440-50-8†	88437.6	0.5235	mg/L	0.00704	0.5235	mg/L	0.00704	1.35%
QC value within limits for Copper,7440-50-8 Recovery = 104.71%								
Iron,7439-89-6†	5999.1	5.8874	mg/L	0.08000	5.8874	mg/L	0.08000	1.36%
QC value greater than the upper limit for Iron,7439-89-6 Recovery = 117.75%								
Lead,7439-92-1†	5185.4	0.5684	mg/L	0.00017	0.5684	mg/L	0.00017	0.03%
QC value greater than the upper limit for Lead,7439-92-1 Recovery = 113.67%								
Lithium,7439-93-2†	42594.3	0.5047	mg/L	0.00578	0.5047	mg/L	0.00578	1.14%
QC value within limits for Lithium,7439-93-2 Recovery = 100.95%								
Magnesium,7439-95-4†	1801.0	6.0924	mg/L	0.07403	6.0924	mg/L	0.07403	1.22%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 121.85%								
Manganese,7439-96-5†	244608.0	0.5421	mg/L	0.00675	0.5421	mg/L	0.00675	1.24%
QC value within limits for Manganese,7439-96-5 Recovery = 108.41%								
Molybdenum,7439-98-7†	6980.4	0.5455	mg/L	0.00160	0.5455	mg/L	0.00160	0.29%
QC value within limits for Molybdenum,7439-98-7 Recovery = 109.11%								
Nickel,7440-02-0†	18867.1	0.5576	mg/L	0.00791	0.5576	mg/L	0.00791	1.42%
QC value greater than the upper limit for Nickel,7440-02-0 Recovery = 111.52%								
Potassium,7440-09-7†	23478.6	10.641	mg/L	0.0986	10.641	mg/L	0.0986	0.93%
QC value within limits for Potassium,7440-09-7 Recovery = 106.41%								
Selenium,7782-49-2†	679.4	0.5854	mg/L	0.00587	0.5854	mg/L	0.00587	1.00%
QC value greater than the upper limit for Selenium,7782-49-2 Recovery = 117.08%								
Silicon,7440-21-3†	146.8	0.4957	mg/L	0.00259	0.4957	mg/L	0.00259	0.52%
QC value within limits for Silicon,7440-21-3 Recovery = 99.14%								
Silver,7440-22-4†	108916.6	0.5173	mg/L	0.00608	0.5173	mg/L	0.00608	1.17%
QC value within limits for Silver,7440-22-4 Recovery = 103.46%								
Sodium,7440-23-5†	74923.1	21.596	mg/L	0.2629	21.596	mg/L	0.2629	1.22%
QC value within limits for Sodium,7440-23-5 Recovery = 107.98%								
Strontium,7440-24-6†	155646.2	0.5445	mg/L	0.00013	0.5445	mg/L	0.00013	0.02%
QC value within limits for Strontium,7440-24-6 Recovery = 108.89%								
Thallium,7440-28-0†	988.2	0.5638	mg/L	0.00505	0.5638	mg/L	0.00505	0.90%
QC value greater than the upper limit for Thallium,7440-28-0 Recovery = 112.76%								
Tin,7440-31-5†	2462.3	0.5835	mg/L	0.00297	0.5835	mg/L	0.00297	0.51%
QC value greater than the upper limit for Tin,7440-31-5 Recovery = 116.69%								
Titanium,7440-32-6†	249335.2	0.5317	mg/L	0.00223	0.5317	mg/L	0.00223	0.42%
QC value within limits for Titanium,7440-32-6 Recovery = 106.34%								
Vanadium,7440-62-2†	56140.6	0.5345	mg/L	0.00776	0.5345	mg/L	0.00776	1.45%
QC value within limits for Vanadium,7440-62-2 Recovery = 106.91%								
Zinc,7440-66-6†	37442.6	0.5543	mg/L	0.00853	0.5543	mg/L	0.00853	1.54%
QC value greater than the upper limit for Zinc,7440-66-6 Recovery = 110.86%								
Zirconium,7440-67-7†	166782.4	0.5123	mg/L	0.00691	0.5123	mg/L	0.00691	1.35%
QC value within limits for Zirconium,7440-67-7 Recovery = 102.46%								

QC Failed. Continue with analysis.

Sequence No.: 23
Sample ID: 1800
Analyst:

Autosampler Location: 7
Date Collected: 8/9/2006 12:05:44 PM
Data Type: Reprocessed on 8/10/2006 8:24:34 AM

167997

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	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3301210.0	114.11	%	1.278				1.12%
Yttrium,7440-65-5A	1775862.6	112.27	%	1.209				1.08%
Yttrium,7440-65-5R	105853.5	115.62	%	1.916				1.66%
Ar 420.067 R	1811382.8	107.20	%	0.730				0.68%
Ar 363.268 A	50121.5	100.09	%	0.270				0.27%
Aluminum,7429-90-5†	1409.3	4.9174	mg/L	0.06898	4.9174	mg/L	0.06898	1.40%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.35%								
Antimony,7440-36-0†	817.0	0.5143	mg/L	0.01026	0.5143	mg/L	0.01026	1.99%
QC value within limits for Antimony,7440-36-0 Recovery = 102.85%								
Arsenic,7440-38-2†	527.8	0.5192	mg/L	0.00340	0.5192	mg/L	0.00340	0.65%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.85%								
Barium,7440-39-3†	46527.2	0.5102	mg/L	0.01048	0.5102	mg/L	0.01048	2.05%
QC value within limits for Barium,7440-39-3 Recovery = 102.05%								
Beryllium,7440-41-7†	1367928.6	0.5043	mg/L	0.00077	0.5043	mg/L	0.00077	0.15%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.85%								
Boron,7440-42-8†	68779.6	2.5875	mg/L	0.04984	2.5875	mg/L	0.04984	1.93%
QC value within limits for Boron,7440-42-8 Recovery = 103.50%								
Cadmium,7440-43-9†	51780.3	0.5255	mg/L	0.01137	0.5255	mg/L	0.01137	2.16%
QC value within limits for Cadmium,7440-43-9 Recovery = 105.11%								
Calcium,7440-70-2†	10283.9	5.1011	mg/L	0.09240	5.1011	mg/L	0.09240	1.81%
QC value within limits for Calcium,7440-70-2 Recovery = 102.02%								
Chromium,7440-47-3†	47678.3	0.5107	mg/L	0.01014	0.5107	mg/L	0.01014	1.99%
QC value within limits for Chromium,7440-47-3 Recovery = 102.14%								
Cobalt,7440-48-4†	13295.3	0.5196	mg/L	0.00895	0.5196	mg/L	0.00895	1.72%
QC value within limits for Cobalt,7440-48-4 Recovery = 103.91%								
Copper,7440-50-8†	84197.0	0.4984	mg/L	0.01051	0.4984	mg/L	0.01051	2.11%
QC value within limits for Copper,7440-50-8 Recovery = 99.68%								
Iron,7439-89-6†	5231.4	5.1341	mg/L	0.08822	5.1341	mg/L	0.08822	1.72%
QC value within limits for Iron,7439-89-6 Recovery = 102.68%								
Lead,7439-92-1†	4649.8	0.5096	mg/L	0.00529	0.5096	mg/L	0.00529	1.04%
QC value within limits for Lead,7439-92-1 Recovery = 101.92%								
Lithium,7439-93-2†	41397.4	0.4906	mg/L	0.00602	0.4906	mg/L	0.00602	1.23%
QC value within limits for Lithium,7439-93-2 Recovery = 98.11%								
Magnesium,7439-95-4†	1568.4	5.3055	mg/L	0.10153	5.3055	mg/L	0.10153	1.91%
QC value within limits for Magnesium,7439-95-4 Recovery = 106.11%								
Manganese,7439-96-5†	229669.6	0.5090	mg/L	0.01052	0.5090	mg/L	0.01052	2.07%
QC value within limits for Manganese,7439-96-5 Recovery = 101.79%								
Molybdenum,7439-98-7†	6408.8	0.5009	mg/L	0.00532	0.5009	mg/L	0.00532	1.06%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.17%								
Nickel,7440-02-0†	17672.5	0.5223	mg/L	0.00964	0.5223	mg/L	0.00964	1.85%
QC value within limits for Nickel,7440-02-0 Recovery = 104.46%								
Potassium,7440-09-7†	22035.9	9.9876	mg/L	0.09156	9.9876	mg/L	0.09156	0.92%
QC value within limits for Potassium,7440-09-7 Recovery = 99.88%								
Selenium,7782-49-2†	609.3	0.5250	mg/L	0.01202	0.5250	mg/L	0.01202	2.29%
QC value within limits for Selenium,7782-49-2 Recovery = 105.00%								
Silicon,7440-21-3†	139.3	0.4720	mg/L	0.01396	0.4720	mg/L	0.01396	2.96%
QC value within limits for Silicon,7440-21-3 Recovery = 94.41%								
Silver,7440-22-4†	103904.7	0.4935	mg/L	0.01074	0.4935	mg/L	0.01074	2.18%
QC value within limits for Silver,7440-22-4 Recovery = 98.69%								
Sodium,7440-23-5†	70142.8	20.219	mg/L	0.2800	20.219	mg/L	0.2800	1.39%
QC value within limits for Sodium,7440-23-5 Recovery = 101.09%								
Strontium,7440-24-6†	144721.1	0.5062	mg/L	0.00572	0.5062	mg/L	0.00572	1.13%
QC value within limits for Strontium,7440-24-6 Recovery = 101.25%								
Thallium,7440-28-0†	905.2	0.5165	mg/L	0.00855	0.5165	mg/L	0.00855	1.66%
QC value within limits for Thallium,7440-28-0 Recovery = 103.30%								
Tin,7440-31-5†	2201.4	0.5216	mg/L	0.00685	0.5216	mg/L	0.00685	1.31%
QC value within limits for Tin,7440-31-5 Recovery = 104.33%								
Titanium,7440-32-6†	232018.4	0.4948	mg/L	0.00070	0.4948	mg/L	0.00070	0.14%
QC value within limits for Titanium,7440-32-6 Recovery = 98.96%								
Vanadium,7440-62-2†	53293.4	0.5074	mg/L	0.00794	0.5074	mg/L	0.00794	1.57%
QC value within limits for Vanadium,7440-62-2 Recovery = 101.49%								
Zinc,7440-66-6†	35134.6	0.5201	mg/L	0.01073	0.5201	mg/L	0.01073	2.06%
QC value within limits for Zinc,7440-66-6 Recovery = 104.03%								
Zirconium,7440-67-7†	160612.9	0.4933	mg/L	0.00880	0.4933	mg/L	0.00880	1.78%

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QC value within limits for Zirconium,7440-67-7 Recovery = 98.66%
All analyte(s) passed QC.

Sequence No.: 24
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/9/2006 12:11:44 PM
Data Type: Reprocessed on 8/10/2006 8:24:36 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3400220.4	117.53	%	0.761				0.65%
Yttrium,7440-65-5A	1849985.4	116.96	%	0.575				0.49%
Yttrium,7440-65-5R	109803.5	119.94	%	2.036				1.70%
Ar 420.067 R	1813968.5	107.35	%	0.134				0.12%
Ar 363.268 A	50020.4	99.887	%	0.1638				0.16%
Aluminum,7429-90-5†	7.4	0.0258	mg/L	0.00846	0.0258	mg/L	0.00846	32.85%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	2.4	0.0015	mg/L	0.00329	0.0015	mg/L	0.00329	223.14%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	2.7	0.0026	mg/L	0.00412	0.0026	mg/L	0.00412	155.71%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	24.1	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.36%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	180.9	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	21.73%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1153.4	0.0434	mg/L	0.00322	0.0434	mg/L	0.00322	7.42%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-21.8	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	23.30%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-20.8	-0.0103	mg/L	0.00417	-0.0103	mg/L	0.00417	40.49%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-60.6	-0.0007	mg/L	0.00028	-0.0007	mg/L	0.00028	42.41%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	6.0	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	122.86%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-171.4	-0.0010	mg/L	0.00035	-0.0010	mg/L	0.00035	34.94%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	3.8	0.0037	mg/L	0.00143	0.0037	mg/L	0.00143	38.59%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-30.0	-0.0033	mg/L	0.00038	-0.0033	mg/L	0.00038	11.44%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	67.7	0.0008	mg/L	0.00091	0.0008	mg/L	0.00091	113.77%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	0.8	0.0028	mg/L	0.01161	0.0028	mg/L	0.01161	417.46%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-76.2	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	36.07%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	25.9	0.0020	mg/L	0.00080	0.0020	mg/L	0.00080	39.54%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-13.0	-0.0004	mg/L	0.00007	-0.0004	mg/L	0.00007	17.83%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	434.3	0.1970	mg/L	0.04596	0.1970	mg/L	0.04596	23.33%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-8.6	-0.0073	mg/L	0.00733	-0.0073	mg/L	0.00733	99.82%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-11.2	-0.0379	mg/L	0.01854	-0.0379	mg/L	0.01854	48.88%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	103.5	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	39.74%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	20.6	0.0060	mg/L	0.01201	0.0060	mg/L	0.01201	200.67%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	8.2	0.0000	mg/L	0.00015	0.0000	mg/L	0.00015	523.21%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	9.9	0.0056	mg/L	0.00172	0.0056	mg/L	0.00172	30.85%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	12.0	0.0028	mg/L	0.00132	0.0028	mg/L	0.00132	46.41%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								

Titanium,7440-32-6†	-335.4	-0.0007 mg/L	0.00008	-0.0007 mg/L	0.00008	10.57%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-58.8	-0.0006 mg/L	0.00032	-0.0006 mg/L	0.00032	57.57%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-331.5	-0.0049 mg/L	0.00027	-0.0049 mg/L	0.00027	5.58%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	-202.4	-0.0006 mg/L	0.00006	-0.0006 mg/L	0.00006	9.97%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: 398819
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 27
Date Collected: 8/9/2006 12:18:56 PM
Data Type: Reprocessed on 8/10/2006 8:24:38 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 398819

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3331554.4	115.16	%	0.352				0.31%
Yttrium,7440-65-5A	1791131.2	113.24	%	0.281				0.25%
Yttrium,7440-65-5R	108641.5	118.67	%	0.793				0.67%
Ar 420.067 R	1810967.4	107.18	%	0.176				0.16%
Ar 363.268 A	50093.5	100.03	%	0.206				0.21%
Aluminum,7429-90-5†	1518.2	5.2974	mg/L	0.03783	5.2974	mg/L	0.03783	0.71%
Antimony,7440-36-0†	882.6	0.5551	mg/L	0.00602	0.5551	mg/L	0.00602	1.08%
Arsenic,7440-38-2†	561.9	0.5527	mg/L	0.00370	0.5527	mg/L	0.00370	0.67%
Barium,7440-39-3†	72456.4	0.7950	mg/L	0.00775	0.7950	mg/L	0.00775	0.97%
Beryllium,7440-41-7†	1442405.0	0.5317	mg/L	0.00111	0.5317	mg/L	0.00111	0.21%
Boron,7440-42-8†	76868.8	2.8922	mg/L	0.02893	2.8922	mg/L	0.02893	1.00%
Cadmium,7440-43-9†	54022.8	0.5483	mg/L	0.00592	0.5483	mg/L	0.00592	1.08%
Calcium,7440-70-2†	14818.2	7.3482	mg/L	0.04003	7.3482	mg/L	0.04003	0.54%
Chromium,7440-47-3†	49297.6	0.5281	mg/L	0.00520	0.5281	mg/L	0.00520	0.98%
Cobalt,7440-48-4†	13907.3	0.5435	mg/L	0.00506	0.5435	mg/L	0.00506	0.93%
Copper,7440-50-8†	88938.1	0.5265	mg/L	0.00458	0.5265	mg/L	0.00458	0.87%
Iron,7439-89-6†	5497.5	5.3954	mg/L	0.02115	5.3954	mg/L	0.02115	0.39%
Lead,7439-92-1†	4949.5	0.5425	mg/L	0.00220	0.5425	mg/L	0.00220	0.41%
Lithium,7439-93-2†	44687.1	0.5295	mg/L	0.00381	0.5295	mg/L	0.00381	0.72%
Magnesium,7439-95-4†	1668.8	5.6456	mg/L	0.03660	5.6456	mg/L	0.03660	0.65%
Manganese,7439-96-5†	315982.0	0.7002	mg/L	0.00628	0.7002	mg/L	0.00628	0.90%
Molybdenum,7439-98-7†	6875.2	0.5373	mg/L	0.00138	0.5373	mg/L	0.00138	0.26%
Nickel,7440-02-0†	18488.7	0.5464	mg/L	0.00841	0.5464	mg/L	0.00841	1.54%
Potassium,7440-09-7†	24602.7	11.151	mg/L	0.0943	11.151	mg/L	0.0943	0.85%
Selenium,7782-49-2†	649.7	0.5598	mg/L	0.00221	0.5598	mg/L	0.00221	0.39%
Silicon,7440-21-3†	247.9	0.8402	mg/L	0.01089	0.8402	mg/L	0.01089	1.30%
Silver,7440-22-4†	107799.7	0.5119	mg/L	0.00391	0.5119	mg/L	0.00391	0.76%
Sodium,7440-23-5†	103821.8	29.940	mg/L	0.1784	29.940	mg/L	0.1784	0.60%
Strontium,7440-24-6†	158040.4	0.5528	mg/L	0.00786	0.5528	mg/L	0.00786	1.42%
Thallium,7440-28-0†	957.3	0.5462	mg/L	0.00386	0.5462	mg/L	0.00386	0.71%
Tin,7440-31-5†	2394.7	0.5675	mg/L	0.00333	0.5675	mg/L	0.00333	0.59%
Titanium,7440-32-6†	247724.4	0.5283	mg/L	0.00122	0.5283	mg/L	0.00122	0.23%
Vanadium,7440-62-2†	55759.1	0.5309	mg/L	0.00430	0.5309	mg/L	0.00430	0.81%
Zinc,7440-66-6†	40891.9	0.6052	mg/L	0.00638	0.6052	mg/L	0.00638	1.05%
Zirconium,7440-67-7†	1532.5	0.0057	mg/L	0.00090	0.0057	mg/L	0.00090	15.76%

Sequence No.: 26
Sample ID: 399258
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 28
Date Collected: 8/9/2006 12:26:15 PM
Data Type: Reprocessed on 8/10/2006 8:24:42 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 399258

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3360522.9	116.16	%	1.011				0.87%
Yttrium,7440-65-5A	1804783.5	114.10	%	1.135				0.99%

Yttrium,7440-65-5R	110326.2	120.51 %	1.422			1.18%
Ar 420.067 R	1821802.6	107.82 %	0.417			0.39%
Ar 363.268 A	49754.4	99.356 %	0.0839			0.08%
Aluminum,7429-90-5†	1436.6	5.0128 mg/L	0.03990	5.0128 mg/L	0.03990	0.80%
Antimony,7440-36-0†	828.9	0.5215 mg/L	0.01187	0.5215 mg/L	0.01187	2.28%
Arsenic,7440-38-2†	535.3	0.5266 mg/L	0.00490	0.5266 mg/L	0.00490	0.93%
Barium,7440-39-3†	63707.5	0.6989 mg/L	0.00383	0.6989 mg/L	0.00383	0.55%
Beryllium,7440-41-7†	1377536.3	0.5078 mg/L	0.00220	0.5078 mg/L	0.00220	0.43%
Boron,7440-42-8†	72365.5	2.7226 mg/L	0.02434	2.7226 mg/L	0.02434	0.89%
Cadmium,7440-43-9†	51335.1	0.5210 mg/L	0.00349	0.5210 mg/L	0.00349	0.67%
Calcium,7440-70-2†	13750.2	6.8187 mg/L	0.03294	6.8187 mg/L	0.03294	0.48%
Chromium,7440-47-3†	47161.7	0.5052 mg/L	0.00321	0.5052 mg/L	0.00321	0.63%
Cobalt,7440-48-4†	13251.0	0.5178 mg/L	0.00255	0.5178 mg/L	0.00255	0.49%
Copper,7440-50-8†	84015.5	0.4974 mg/L	0.00384	0.4974 mg/L	0.00384	0.77%
Iron,7439-89-6†	5321.2	5.2223 mg/L	0.03815	5.2223 mg/L	0.03815	0.73%
Lead,7439-92-1†	4713.8	0.5166 mg/L	0.00168	0.5166 mg/L	0.00168	0.32%
Lithium,7439-93-2†	42391.3	0.5023 mg/L	0.00292	0.5023 mg/L	0.00292	0.58%
Magnesium,7439-95-4†	1615.4	5.4649 mg/L	0.04819	5.4649 mg/L	0.04819	0.88%
Manganese,7439-96-5†	291671.6	0.6463 mg/L	0.00407	0.6463 mg/L	0.00407	0.63%
Molybdenum,7439-98-7†	6431.8	0.5027 mg/L	0.00392	0.5027 mg/L	0.00392	0.78%
Nickel,7440-02-0†	17721.6	0.5237 mg/L	0.00461	0.5237 mg/L	0.00461	0.88%
Potassium,7440-09-7†	23131.1	10.484 mg/L	0.0499	10.484 mg/L	0.0499	0.48%
Selenium,7782-49-2†	614.3	0.5293 mg/L	0.00127	0.5293 mg/L	0.00127	0.24%
Silicon,7440-21-3†	180.2	0.6107 mg/L	0.00560	0.6107 mg/L	0.00560	0.92%
Silver,7440-22-4†	101175.7	0.4804 mg/L	0.00318	0.4804 mg/L	0.00318	0.66%
Sodium,7440-23-5†	95614.8	27.572 mg/L	0.2163	27.572 mg/L	0.2163	0.78%
Strontium,7440-24-6†	152033.7	0.5318 mg/L	0.00624	0.5318 mg/L	0.00624	1.17%
Thallium,7440-28-0†	916.5	0.5228 mg/L	0.00406	0.5228 mg/L	0.00406	0.78%
Tin,7440-31-5†	2243.2	0.5316 mg/L	0.00595	0.5316 mg/L	0.00595	1.12%
Titanium,7440-32-6†	231243.5	0.4931 mg/L	0.00062	0.4931 mg/L	0.00062	0.13%
Vanadium,7440-62-2†	53159.3	0.5061 mg/L	0.00381	0.5061 mg/L	0.00381	0.75%
Zinc,7440-66-6†	36688.7	0.5431 mg/L	0.00422	0.5431 mg/L	0.00422	0.78%
Zirconium,7440-67-7†	534.7	0.0026 mg/L	0.00011	0.0026 mg/L	0.00011	4.03%

Sequence No.: 27
Sample ID: 399259
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 29
Date Collected: 8/9/2006 12:33:27 PM
Data Type: Reprocessed on 8/10/2006 8:24:47 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 399259

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3381021.9	116.87	%	1.459				1.25%
Yttrium,7440-65-5A	1839529.2	116.30	%	1.305				1.12%
Yttrium,7440-65-5R	109023.1	119.08	%	0.806				0.68%
Ar 420.067 R	1809499.4	107.09	%	0.715				0.67%
Ar 363.268 A	50016.4	99.879	%	0.2535				0.25%
Aluminum,7429-90-5†	7.9	0.0274	mg/L	0.01503	0.1370	mg/L	0.07515	54.85%
Antimony,7440-36-0†	2.6	0.0016	mg/L	0.00288	0.0080	mg/L	0.01442	180.67%
Arsenic,7440-38-2†	5.2	0.0051	mg/L	0.00104	0.0256	mg/L	0.00520	20.31%
Barium,7440-39-3†	3640.2	0.0400	mg/L	0.00031	0.1999	mg/L	0.00153	0.76%
Beryllium,7440-41-7†	175.6	0.0001	mg/L	0.00006	0.0003	mg/L	0.00028	83.98%
Boron,7440-42-8†	2238.0	0.0843	mg/L	0.00489	0.4216	mg/L	0.02443	5.80%
Cadmium,7440-43-9†	-21.3	-0.0002	mg/L	0.00007	-0.0011	mg/L	0.00035	31.74%
Calcium,7440-70-2†	599.5	0.2971	mg/L	0.00934	1.4854	mg/L	0.04670	3.14%
Chromium,7440-47-3†	-57.5	-0.0006	mg/L	0.00094	-0.0030	mg/L	0.00472	156.42%
Cobalt,7440-48-4†	3.0	0.0001	mg/L	0.00037	0.0006	mg/L	0.00186	314.75%
Copper,7440-50-8†	-47.3	-0.0003	mg/L	0.00044	-0.0013	mg/L	0.00222	166.27%
Iron,7439-89-6†	20.4	0.0200	mg/L	0.00282	0.1001	mg/L	0.01410	14.08%
Lead,7439-92-1†	-17.6	-0.0019	mg/L	0.00182	-0.0096	mg/L	0.00909	94.48%
Lithium,7439-93-2†	61.9	0.0007	mg/L	0.00111	0.0037	mg/L	0.00555	152.00%
Magnesium,7439-95-4†	8.8	0.0299	mg/L	0.02241	0.1495	mg/L	0.11206	74.95%
Manganese,7439-96-5†	13599.1	0.0301	mg/L	0.00065	0.1506	mg/L	0.00325	2.16%
Molybdenum,7439-98-7†	14.6	0.0011	mg/L	0.00027	0.0057	mg/L	0.00135	23.68%
Nickel,7440-02-0†	-15.5	-0.0005	mg/L	0.00024	-0.0023	mg/L	0.00121	52.58%
Potassium,7440-09-7†	470.1	0.2131	mg/L	0.06211	1.0656	mg/L	0.31054	29.14%
Selenium,7782-49-2†	-5.3	-0.0046	mg/L	0.00915	-0.0228	mg/L	0.04577	201.11%
Silicon,7440-21-3†	0.2	0.0008	mg/L	0.01003	0.0039	mg/L	0.05017	>999.9%

001540

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Silver,7440-22-4†	173.8	0.0008	mg/L	0.00025	0.0042	mg/L	0.00124	29.77%
Sodium,7440-23-5†	4944.9	1.4276	mg/L	0.05006	7.1378	mg/L	0.25031	3.51%
Strontium,7440-24-6†	808.7	0.0028	mg/L	0.00024	0.0141	mg/L	0.00118	8.34%
Thallium,7440-28-0†	2.5	0.0014	mg/L	0.00117	0.0070	mg/L	0.00586	83.49%
Tin,7440-31-5†	8.2	0.0019	mg/L	0.00076	0.0097	mg/L	0.00381	39.28%
Titanium,7440-32-6†	-318.5	-0.0007	mg/L	0.00006	-0.0034	mg/L	0.00030	8.97%
Vanadium,7440-62-2†	-8.9	-0.0001	mg/L	0.00059	-0.0004	mg/L	0.00295	680.72%
Zinc,7440-66-6†	186.9	0.0028	mg/L	0.00031	0.0138	mg/L	0.00154	11.14%
Zirconium,7440-67-7†	-424.1	-0.0013	mg/L	0.00022	-0.0065	mg/L	0.00112	17.17%

Sequence No.: 28
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 12:38:58 PM
Data Type: Reprocessed on 8/10/2006 8:24:48 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3342745.6	115.55	%	1.287				1.11%
Yttrium,7440-65-5A	1794816.9	113.47	%	1.282				1.13%
Yttrium,7440-65-5R	107052.1	116.93	%	2.162				1.85%
Ar 420.067 R	1809460.2	107.09	%	0.311				0.29%
Ar 363.268 A	49843.6	99.534	%	0.4165				0.42%
Aluminum,7429-90-5†	1412.5	4.9288	mg/L	0.04362	4.9288	mg/L	0.04362	0.89%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.58%								
Antimony,7440-36-0†	827.0	0.5205	mg/L	0.00950	0.5205	mg/L	0.00950	1.82%
QC value within limits for Antimony,7440-36-0 Recovery = 104.10%								
Arsenic,7440-38-2†	536.4	0.5277	mg/L	0.00791	0.5277	mg/L	0.00791	1.50%
QC value within limits for Arsenic,7440-38-2 Recovery = 105.53%								
Barium,7440-39-3†	46686.4	0.5120	mg/L	0.00824	0.5120	mg/L	0.00824	1.61%
QC value within limits for Barium,7440-39-3 Recovery = 102.39%								
Beryllium,7440-41-7†	1384776.8	0.5105	mg/L	0.00095	0.5105	mg/L	0.00095	0.19%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.09%								
Boron,7440-42-8†	69744.6	2.6239	mg/L	0.04833	2.6239	mg/L	0.04833	1.84%
QC value within limits for Boron,7440-42-8 Recovery = 104.96%								
Cadmium,7440-43-9†	52098.2	0.5288	mg/L	0.00938	0.5288	mg/L	0.00938	1.77%
QC value within limits for Cadmium,7440-43-9 Recovery = 105.75%								
Calcium,7440-70-2†	10452.9	5.1849	mg/L	0.01777	5.1849	mg/L	0.01777	0.34%
QC value within limits for Calcium,7440-70-2 Recovery = 103.70%								
Chromium,7440-47-3†	47868.9	0.5127	mg/L	0.00797	0.5127	mg/L	0.00797	1.55%
QC value within limits for Chromium,7440-47-3 Recovery = 102.55%								
Cobalt,7440-48-4†	13409.4	0.5240	mg/L	0.00665	0.5240	mg/L	0.00665	1.27%
QC value within limits for Cobalt,7440-48-4 Recovery = 104.81%								
Copper,7440-50-8†	84462.3	0.5000	mg/L	0.00755	0.5000	mg/L	0.00755	1.51%
QC value within limits for Copper,7440-50-8 Recovery = 100.00%								
Iron,7439-89-6†	5172.6	5.0763	mg/L	0.02419	5.0763	mg/L	0.02419	0.48%
QC value within limits for Iron,7439-89-6 Recovery = 101.53%								
Lead,7439-92-1†	4729.5	0.5183	mg/L	0.00545	0.5183	mg/L	0.00545	1.05%
QC value within limits for Lead,7439-92-1 Recovery = 103.66%								
Lithium,7439-93-2†	42540.8	0.5041	mg/L	0.00655	0.5041	mg/L	0.00655	1.30%
QC value within limits for Lithium,7439-93-2 Recovery = 100.82%								
Magnesium,7439-95-4†	1567.5	5.3026	mg/L	0.01139	5.3026	mg/L	0.01139	0.21%
QC value within limits for Magnesium,7439-95-4 Recovery = 106.05%								
Manganese,7439-96-5†	230552.6	0.5109	mg/L	0.00806	0.5109	mg/L	0.00806	1.58%
QC value within limits for Manganese,7439-96-5 Recovery = 102.18%								
Molybdenum,7439-98-7†	6524.1	0.5099	mg/L	0.00653	0.5099	mg/L	0.00653	1.28%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.97%								
Nickel,7440-02-0†	17818.2	0.5266	mg/L	0.00804	0.5266	mg/L	0.00804	1.53%
QC value within limits for Nickel,7440-02-0 Recovery = 105.32%								
Potassium,7440-09-7†	22320.1	10.116	mg/L	0.1692	10.116	mg/L	0.1692	1.67%
QC value within limits for Potassium,7440-09-7 Recovery = 101.16%								
Selenium,7782-49-2†	619.8	0.5340	mg/L	0.01165	0.5340	mg/L	0.01165	2.18%
QC value within limits for Selenium,7782-49-2 Recovery = 106.80%								
Silicon,7440-21-3†	134.3	0.4550	mg/L	0.02279	0.4550	mg/L	0.02279	5.01%
QC value within limits for Silicon,7440-21-3 Recovery = 91.00%								
Silver,7440-22-4†	103945.6	0.4936	mg/L	0.00774	0.4936	mg/L	0.00774	1.57%
QC value within limits for Silver,7440-22-4 Recovery = 98.73%								
Sodium,7440-23-5†	70630.4	20.359	mg/L	0.2240	20.359	mg/L	0.2240	1.10%

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QC value within limits for Sodium,7440-23-5 Recovery = 101.80%
Strontium,7440-24-6† 145368.0 0.5085 mg/L 0.00671 0.5085 mg/L 0.00671 1.32%
QC value within limits for Strontium,7440-24-6 Recovery = 101.70%
Thallium,7440-28-0† 922.9 0.5266 mg/L 0.00830 0.5266 mg/L 0.00830 1.58%
QC value within limits for Thallium,7440-28-0 Recovery = 105.31%
Tin,7440-31-5† 2244.2 0.5318 mg/L 0.00512 0.5318 mg/L 0.00512 0.96%
QC value within limits for Tin,7440-31-5 Recovery = 106.36%
Titanium,7440-32-6† 234998.0 0.5011 mg/L 0.00107 0.5011 mg/L 0.00107 0.21%
QC value within limits for Titanium,7440-32-6 Recovery = 100.23%
Vanadium,7440-62-2† 53640.2 0.5107 mg/L 0.00562 0.5107 mg/L 0.00562 1.10%
QC value within limits for Vanadium,7440-62-2 Recovery = 102.15%
Zinc,7440-66-6† 35185.4 0.5209 mg/L 0.00894 0.5209 mg/L 0.00894 1.72%
QC value within limits for Zinc,7440-66-6 Recovery = 104.18%
Zirconium,7440-67-7† 160719.2 0.4936 mg/L 0.00753 0.4936 mg/L 0.00753 1.53%
QC value within limits for Zirconium,7440-67-7 Recovery = 98.73%
All analyte(s) passed QC.

Sequence No.: 29
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/9/2006 12:46:17 PM
Data Type: Reprocessed on 8/10/2006 8:24:50 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3396321.8	117.40	%	1.213				1.03%
Yttrium,7440-65-5A	1845038.7	116.64	%	1.222				1.05%
Yttrium,7440-65-5R	108663.0	118.69	%	0.696				0.59%
Ar 420.067 R	1814799.0	107.40	%	0.459				0.43%
Ar 363.268 A	49716.4	99.280	%	0.2277				0.23%
Aluminum,7429-90-5†	10.4	0.0363	mg/L	0.00559	0.0363	mg/L	0.00559	15.42%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-6.4	-0.0040	mg/L	0.00519	-0.0040	mg/L	0.00519	131.25%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	10.0	0.0098	mg/L	0.00217	0.0098	mg/L	0.00217	22.04%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	35.2	0.0004	mg/L	0.00006	0.0004	mg/L	0.00006	15.33%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	130.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	58.96%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1291.6	0.0487	mg/L	0.00102	0.0487	mg/L	0.00102	2.09%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-28.7	-0.0003	mg/L	0.00003	-0.0003	mg/L	0.00003	11.25%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-16.6	-0.0082	mg/L	0.00197	-0.0082	mg/L	0.00197	24.01%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-42.3	-0.0005	mg/L	0.00052	-0.0005	mg/L	0.00052	114.49%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	6.6	0.0003	mg/L	0.00037	0.0003	mg/L	0.00037	143.74%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-122.2	-0.0007	mg/L	0.00026	-0.0007	mg/L	0.00026	35.40%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	5.3	0.0052	mg/L	0.00522	0.0052	mg/L	0.00522	100.07%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-23.5	-0.0026	mg/L	0.00185	-0.0026	mg/L	0.00185	71.80%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	41.1	0.0005	mg/L	0.00095	0.0005	mg/L	0.00095	195.50%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	9.7	0.0329	mg/L	0.02710	0.0329	mg/L	0.02710	82.28%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-82.3	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	24.68%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	17.8	0.0014	mg/L	0.00068	0.0014	mg/L	0.00068	48.60%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-22.2	-0.0007	mg/L	0.00034	-0.0007	mg/L	0.00034	51.73%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	465.6	0.2111	mg/L	0.01563	0.2111	mg/L	0.01563	7.40%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								

Selenium,7782-49-2†	-8.7	-0.0075 mg/L	0.00354	-0.0075 mg/L	0.00354	47.35%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3†	-10.2	-0.0346 mg/L	0.02029	-0.0346 mg/L	0.02029	58.62%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4†	91.7	0.0004 mg/L	0.00059	0.0004 mg/L	0.00059	132.80%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5†	65.6	0.0190 mg/L	0.00337	0.0190 mg/L	0.00337	17.76%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6†	1.4	0.0000 mg/L	0.00018	0.0000 mg/L	0.00018	>999.9%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0†	0.9	0.0005 mg/L	0.00218	0.0005 mg/L	0.00218	445.21%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	10.8	0.0026 mg/L	0.00085	0.0026 mg/L	0.00085	33.27%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	-311.0	-0.0007 mg/L	0.00009	-0.0007 mg/L	0.00009	13.29%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-20.7	-0.0002 mg/L	0.00048	-0.0002 mg/L	0.00048	244.95%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-339.6	-0.0050 mg/L	0.00010	-0.0050 mg/L	0.00010	1.96%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	-163.7	-0.0005 mg/L	0.00007	-0.0005 mg/L	0.00007	13.60%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 30
Sample ID: 397835
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

RJRAJW
8-10-06

Autosampler Location: 37
Date Collected: 8/9/2006 12:53:25 PM
Data Type: Reprocessed on 8/10/2006 8:24:52 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 397835

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3408358.0	117.81	%	0.706				0.60%
Yttrium,7440-65-5A	1845535.8	116.68	%	0.854				0.73%
Yttrium,7440-65-5R	109539.8	119.65	%	1.102				0.92%
Ar 420.067 R	1845626.6	109.23	%	0.166				0.15%
Ar 363.268 A	50071.2	99.988	%	0.4200				0.42%
Aluminum,7429-90-5†	54.7	0.1906	mg/L	0.01360	7.6230	mg/kg	0.54400	7.14%
Antimony,7440-36-0†	4.2	0.0026	mg/L	0.00494	0.1047	mg/kg	0.19768	188.74%
Arsenic,7440-38-2†	4.1	0.0041	mg/L	0.00391	0.1627	mg/kg	0.15644	96.18%
Barium,7440-39-3†	87.4	0.0010	mg/L	0.00010	0.0384	mg/kg	0.00391	10.16%
Beryllium,7440-41-7†	101.4	0.0000	mg/L	0.00001	0.0015	mg/kg	0.00058	37.71%
Boron,7440-42-8†	572.4	0.0216	mg/L	0.00245	0.8624	mg/kg	0.09794	11.36%
Cadmium,7440-43-9†	-14.6	-0.0001	mg/L	0.00003	-0.0060	mg/kg	0.00119	20.00%
Calcium,7440-70-2†	2402.4	1.1903	mg/L	0.00705	47.610	mg/kg	0.2820	0.59%
Chromium,7440-47-3†	0.7	0.0000	mg/L	0.00028	0.0003	mg/kg	0.01138	>999.9%
Cobalt,7440-48-4†	6.7	0.0003	mg/L	0.00021	0.0104	mg/kg	0.00821	78.72%
Copper,7440-50-8†	-47.4	-0.0003	mg/L	0.00023	-0.0112	mg/kg	0.00910	81.58%
Iron,7439-89-6†	18.8	0.0185	mg/L	0.00202	0.7382	mg/kg	0.08061	10.92%
Lead,7439-92-1†	-26.5	-0.0029	mg/L	0.00054	-0.1158	mg/kg	0.02175	18.79%
Lithium,7439-93-2†	79.0	0.0009	mg/L	0.00073	0.0374	mg/kg	0.02909	77.84%
Magnesium,7439-95-4†	7.1	0.0240	mg/L	0.00713	0.9583	mg/kg	0.28533	29.77%
Manganese,7439-96-5†	1711.7	0.0038	mg/L	0.00002	0.1517	mg/kg	0.00098	0.65%
Molybdenum,7439-98-7†	11.4	0.0009	mg/L	0.00061	0.0356	mg/kg	0.02425	68.05%
Nickel,7440-02-0†	-4.8	-0.0001	mg/L	0.00020	-0.0058	mg/kg	0.00812	140.96%
Potassium,7440-09-7†	504.1	0.2284	mg/L	0.01399	9.1366	mg/kg	0.55953	6.12%
Selenium,7782-49-2†	-5.2	-0.0045	mg/L	0.00153	-0.1789	mg/kg	0.06115	34.18%
Silicon,7440-21-3†	-6.6	-0.0222	mg/L	0.00550	-0.8895	mg/kg	0.21998	24.73%
Silver,7440-22-4†	82.3	0.0004	mg/L	0.00021	0.0157	mg/kg	0.00837	53.31%
Sodium,7440-23-5†	1267.1	0.3654	mg/L	0.03158	14.617	mg/kg	1.2633	8.64%
Strontium,7440-24-6†	769.2	0.0027	mg/L	0.00007	0.1077	mg/kg	0.00294	2.73%
Thallium,7440-28-0†	-3.5	-0.0020	mg/L	0.00250	-0.0793	mg/kg	0.09981	125.79%
Tin,7440-31-5†	43.1	0.0102	mg/L	0.00065	0.4091	mg/kg	0.02614	6.39%
Titanium,7440-32-6†	138.7	0.0003	mg/L	0.00006	0.0118	mg/kg	0.00252	21.29%
Vanadium,7440-62-2†	37.8	0.0004	mg/L	0.00025	0.0144	mg/kg	0.01011	70.26%
Zinc,7440-66-6†	3906.7	0.0577	mg/L	0.00066	2.3082	mg/kg	0.02653	1.15%
Zirconium,7440-67-7†	-128.4	-0.0004	mg/L	0.00010	-0.0157	mg/kg	0.00394	25.06%

001543

168004

Sequence No.: 31
Sample ID: 397836
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 38
Date Collected: 8/9/2006 1:00:38 PM
Data Type: Reprocessed on 8/10/2006 8:24:54 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 397836

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3323623.9	114.88	%	2.066				1.80%
Yttrium,7440-65-5A	1782591.6	112.70	%	2.079				1.85%
Yttrium,7440-65-5R	106950.2	116.82	%	0.628				0.54%
Ar 420.067 R	1834318.2	108.56	%	0.153				0.14%
Ar 363.268 A	49898.6	99.643	%	0.2349				0.24%
Aluminum,7429-90-5†	1436.0	5.0108	mg/L	0.08699	200.43	mg/kg	3.479	1.74%
Antimony,7440-36-0†	841.6	0.5296	mg/L	0.01157	21.184	mg/kg	0.4626	2.18%
Arsenic,7440-38-2†	542.7	0.5339	mg/L	0.01114	21.356	mg/kg	0.4456	2.09%
Barium,7440-39-3†	47609.0	0.5221	mg/L	0.00746	20.884	mg/kg	0.2983	1.43%
Beryllium,7440-41-7†	1382000.8	0.5094	mg/L	0.00135	20.377	mg/kg	0.0540	0.26%
Boron,7440-42-8†	67845.3	2.5523	mg/L	0.02019	102.09	mg/kg	0.808	0.79%
Cadmium,7440-43-9†	52423.4	0.5321	mg/L	0.00543	21.282	mg/kg	0.2172	1.02%
Calcium,7440-70-2†	11045.3	5.4785	mg/L	0.12261	219.14	mg/kg	4.905	2.24%
Chromium,7440-47-3†	48635.5	0.5210	mg/L	0.00620	20.839	mg/kg	0.2481	1.19%
Cobalt,7440-48-4†	13696.9	0.5353	mg/L	0.00759	21.411	mg/kg	0.3035	1.42%
Copper,7440-50-8†	86244.5	0.5105	mg/L	0.00725	20.421	mg/kg	0.2902	1.42%
Iron,7439-89-6†	5179.3	5.0829	mg/L	0.11145	203.32	mg/kg	4.458	2.19%
Lead,7439-92-1†	4841.0	0.5305	mg/L	0.01284	21.221	mg/kg	0.5134	2.42%
Lithium,7439-93-2†	43039.1	0.5100	mg/L	0.00987	20.401	mg/kg	0.3946	1.93%
Magnesium,7439-95-4†	1587.0	5.3686	mg/L	0.11508	214.74	mg/kg	4.603	2.14%
Manganese,7439-96-5†	233680.9	0.5178	mg/L	0.00652	20.714	mg/kg	0.2607	1.26%
Molybdenum,7439-98-7†	6661.4	0.5206	mg/L	0.01082	20.824	mg/kg	0.4327	2.08%
Nickel,7440-02-0†	18057.9	0.5337	mg/L	0.01043	21.347	mg/kg	0.4171	1.95%
Potassium,7440-09-7†	22802.6	10.335	mg/L	0.1123	413.41	mg/kg	4.494	1.09%
Selenium,7782-49-2†	628.6	0.5416	mg/L	0.02051	21.662	mg/kg	0.8205	3.79%
Silicon,7440-21-3†	67.0	0.2266	mg/L	0.01757	9.0645	mg/kg	0.70277	7.75%
Silver,7440-22-4†	103874.1	0.4932	mg/L	0.00623	19.729	mg/kg	0.2492	1.26%
Sodium,7440-23-5†	72957.6	21.031	mg/L	0.5262	841.23	mg/kg	21.049	2.50%
Strontium,7440-24-6†	147992.8	0.5177	mg/L	0.01152	20.707	mg/kg	0.4610	2.23%
Thallium,7440-28-0†	926.0	0.5284	mg/L	0.01229	21.137	mg/kg	0.4915	2.33%
Tin,7440-31-5†	2381.1	0.5642	mg/L	0.01344	22.569	mg/kg	0.5378	2.38%
Titanium,7440-32-6†	239885.2	0.5116	mg/L	0.00281	20.463	mg/kg	0.1124	0.55%
Vanadium,7440-62-2†	54627.3	0.5201	mg/L	0.00819	20.805	mg/kg	0.3277	1.58%
Zinc,7440-66-6†	35734.0	0.5290	mg/L	0.00569	21.161	mg/kg	0.2276	1.08%
Zirconium,7440-67-7†	734.3	0.0033	mg/L	0.00064	0.1305	mg/kg	0.02545	19.50%

Sequence No.: 32
Sample ID: 20608043101
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 39
Date Collected: 8/9/2006 1:07:54 PM
Data Type: Reprocessed on 8/10/2006 8:24:57 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043101

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3097679.6	107.07	%	1.467				1.37%
Yttrium,7440-65-5A	1724670.4	109.03	%	1.502				1.38%
Yttrium,7440-65-5R	106579.8	116.42	%	0.996				0.86%
Ar 420.067 R	1764327.8	104.42	%	0.266				0.26%
Ar 363.268 A	47350.3	94.555	%	0.5196				0.55%
Aluminum,7429-90-5†	33247.3	115.91	mg/L	2.460	4636.6	mg/kg	98.42	2.12%
Antimony,7440-36-0†	-66.4	-0.0292	mg/L	0.01163	-1.1695	mg/kg	0.46505	39.77%
Arsenic,7440-38-2†	-49.0	-0.0162	mg/L	0.00713	-0.6468	mg/kg	0.28510	44.08%
Barium,7440-39-3†	142614.9	1.5666	mg/L	0.00315	62.665	mg/kg	0.1259	0.20%
Beryllium,7440-41-7†	23040.0	0.0084	mg/L	0.00003	0.3371	mg/kg	0.00101	0.30%
Boron,7440-42-8†	7877.5	0.1589	mg/L	0.00731	6.3558	mg/kg	0.29244	4.60%
Cadmium,7440-43-9†	612.6	0.0034	mg/L	0.00006	0.1359	mg/kg	0.00220	1.62%

001544

Calcium,7440-70-2†	845709.9	419.06 mg/L	9.117	16762 mg/kg	364.7	2.18%
Chromium,7440-47-3†	14350.9	0.1202 mg/L	0.00167	4.8095 mg/kg	0.06680	1.39%
Cobalt,7440-48-4†	1946.2	0.0754 mg/L	0.00086	3.0144 mg/kg	0.03438	1.14%
Copper,7440-50-8†	20078.8	0.1209 mg/L	0.00073	4.8342 mg/kg	0.02904	0.60%
Iron,7439-89-6†	166363.0	163.23 mg/L	3.401	6529.1 mg/kg	136.03	2.08%
Lead,7439-92-1†	1071.7	0.1535 mg/L	0.00146	6.1401 mg/kg	0.05852	0.95%
Lithium,7439-93-2†	16754.1	0.1959 mg/L	0.00442	7.8349 mg/kg	0.17663	2.25%
Magnesium,7439-95-4†	37239.2	125.95 mg/L	2.347	5038.2 mg/kg	93.86	1.86%
Manganese,7439-96-5†	2771741.0	6.1403 mg/L	0.00849	245.61 mg/kg	0.340	0.14%
Molybdenum,7439-98-7†	-16.4	-0.0008 mg/L	0.00185	-0.0336 mg/kg	0.07403	220.61%
Nickel,7440-02-0†	6062.8	0.1778 mg/L	0.00278	7.1103 mg/kg	0.11124	1.56%
Potassium,7440-09-7†	106495.7	48.185 mg/L	0.8769	1927.4 mg/kg	35.08	1.82%
Selenium,7782-49-2†	-104.5	-0.0304 mg/L	0.00219	-1.2156 mg/kg	0.08760	7.21%
Silicon,7440-21-3†	8336.6	28.282 mg/L	0.5511	1131.3 mg/kg	22.05	1.95%
Silver,7440-22-4†	-11098.0	-0.0438 mg/L	0.00089	-1.7507 mg/kg	0.03578	2.04%
Sodium,7440-23-5†	422334.5	121.51 mg/L	2.524	4860.4 mg/kg	100.96	2.08%
Strontium,7440-24-6†	262550.9	0.9191 mg/L	0.01851	36.763 mg/kg	0.7405	2.01%
Thallium,7440-28-0†	-59.1	-0.0254 mg/L	0.00359	-1.0143 mg/kg	0.14346	14.14%
Tin,7440-31-5†	-14.7	-0.0028 mg/L	0.00087	-0.1115 mg/kg	0.03494	31.32%
Titanium,7440-32-6†	257515.1	0.5490 mg/L	0.00247	21.959 mg/kg	0.0989	0.45%
Vanadium,7440-62-2†	25683.2	0.2443 mg/L	0.00099	9.7713 mg/kg	0.03949	0.40%
Zinc,7440-66-6†	37100.5	0.5548 mg/L	0.00068	22.192 mg/kg	0.0273	0.12%
Zirconium,7440-67-7†	26103.6	0.0786 mg/L	0.00042	3.1452 mg/kg	0.01672	0.53%

Sequence No.: 33
Sample ID: 20608043102
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 40
Date Collected: 8/9/2006 1:14:02 PM
Data Type: Reprocessed on 8/10/2006 8:24:59 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043102

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3086694.5	106.69	%	0.828				0.78%
Yttrium,7440-65-5A	1716611.7	108.53	%	0.800				0.74%
Yttrium,7440-65-5R	107283.9	117.18	%	1.351				1.15%
Ar 420.067 R	1761142.2	104.23	%	0.271				0.26%
Ar 363.268 A	47182.5	94.220	%	0.3672				0.39%
Aluminum,7429-90-5†	45662.7	159.20	mg/L	3.123	6368.1	mg/kg	124.93	1.96%
Antimony,7440-36-0†	159.8	0.1217	mg/L	0.00325	4.8695	mg/kg	0.12995	2.67%
Arsenic,7440-38-2†	480.8	0.5124	mg/L	0.00688	20.496	mg/kg	0.2754	1.34%
Barium,7440-39-3†	184869.2	2.0299	mg/L	0.01317	81.194	mg/kg	0.5268	0.65%
Beryllium,7440-41-7†	1448132.2	0.5339	mg/L	0.00370	21.354	mg/kg	0.1479	0.69%
Boron,7440-42-8†	67430.8	2.3799	mg/L	0.01642	95.195	mg/kg	0.6567	0.69%
Cadmium,7440-43-9†	51273.1	0.5174	mg/L	0.00338	20.697	mg/kg	0.1352	0.65%
Calcium,7440-70-2†	879465.6	435.80	mg/L	5.630	17432	mg/kg	225.2	1.29%
Chromium,7440-47-3†	64933.1	0.6575	mg/L	0.00413	26.298	mg/kg	0.1652	0.63%
Cobalt,7440-48-4†	14883.7	0.5808	mg/L	0.00564	23.233	mg/kg	0.2255	0.97%
Copper,7440-50-8†	107830.2	0.6406	mg/L	0.00526	25.626	mg/kg	0.2106	0.82%
Iron,7439-89-6†	193025.1	189.39	mg/L	3.131	7575.5	mg/kg	125.24	1.65%
Lead,7439-92-1†	5708.7	0.6659	mg/L	0.00612	26.634	mg/kg	0.2447	0.92%
Lithium,7439-93-2†	62440.8	0.7371	mg/L	0.01036	29.484	mg/kg	0.4144	1.41%
Magnesium,7439-95-4†	41428.1	140.12	mg/L	3.073	5604.8	mg/kg	122.93	2.19%
Manganese,7439-96-5†	3109001.4	6.8876	mg/L	0.05053	275.51	mg/kg	2.021	0.73%
Molybdenum,7439-98-7†	5438.5	0.4251	mg/L	0.00321	17.004	mg/kg	0.1282	0.75%
Nickel,7440-02-0†	23646.3	0.6973	mg/L	0.00401	27.891	mg/kg	0.1603	0.57%
Potassium,7440-09-7†	149471.7	67.661	mg/L	1.0268	2706.5	mg/kg	41.07	1.52%
Selenium,7782-49-2†	504.2	0.5064	mg/L	0.00664	20.254	mg/kg	0.2657	1.31%
Silicon,7440-21-3†	8076.3	27.399	mg/L	0.5145	1096.0	mg/kg	20.58	1.88%
Silver,7440-22-4†	97405.3	0.4730	mg/L	0.00350	18.919	mg/kg	0.1399	0.74%
Sodium,7440-23-5†	503793.4	144.96	mg/L	1.976	5798.4	mg/kg	79.04	1.36%
Strontium,7440-24-6†	430466.8	1.5065	mg/L	0.02138	60.259	mg/kg	0.8552	1.42%
Thallium,7440-28-0†	826.5	0.4797	mg/L	0.00551	19.187	mg/kg	0.2203	1.15%
Tin,7440-31-5†	2279.0	0.5394	mg/L	0.00708	21.575	mg/kg	0.2832	1.31%
Titanium,7440-32-6†	408322.1	0.8706	mg/L	0.00435	34.822	mg/kg	0.1739	0.50%
Vanadium,7440-62-2†	82329.3	0.7837	mg/L	0.00488	31.348	mg/kg	0.1953	0.62%
Zinc,7440-66-6†	75420.5	1.1226	mg/L	0.00836	44.902	mg/kg	0.3345	0.75%
Zirconium,7440-67-7†	36024.8	0.1093	mg/L	0.00076	4.3711	mg/kg	0.03035	0.69%

Sequence No.: 34
Sample ID: 20608043103
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 41
Date Collected: 8/9/2006 1:20:10 PM
Data Type: Reprocessed on 8/10/2006 8:25:01 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043103

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3135068.8	108.37	%	1.238				1.14%
Yttrium,7440-65-5A	1743359.4	110.22	%	1.276				1.16%
Yttrium,7440-65-5R	110211.5	120.38	%	0.685				0.57%
Ar 420.067 R	1773883.7	104.98	%	0.297				0.28%
Ar 363.268 A	46939.8	93.735	%	0.2268				0.24%
Aluminum,7429-90-5†	46297.7	161.42	mg/L	3.304	6456.7	mg/kg	132.14	2.05%
Antimony,7440-36-0†	172.5	0.1297	mg/L	0.00769	5.1872	mg/kg	0.30742	5.93%
Arsenic,7440-38-2†	469.5	0.5030	mg/L	0.01292	20.121	mg/kg	0.5167	2.57%
Barium,7440-39-3†	187607.9	2.0599	mg/L	0.01297	82.397	mg/kg	0.5187	0.63%
Beryllium,7440-41-7†	1444216.0	0.5324	mg/L	0.00343	21.296	mg/kg	0.1372	0.64%
Boron,7440-42-8†	67928.8	2.3926	mg/L	0.02469	95.704	mg/kg	0.9876	1.03%
Cadmium,7440-43-9†	51245.7	0.5171	mg/L	0.00364	20.684	mg/kg	0.1454	0.70%
Calcium,7440-70-2†	872077.0	432.14	mg/L	2.506	17286	mg/kg	100.2	0.58%
Chromium,7440-47-3†	65065.9	0.6573	mg/L	0.00382	26.291	mg/kg	0.1528	0.58%
Cobalt,7440-48-4†	14760.9	0.5760	mg/L	0.00922	23.040	mg/kg	0.3689	1.60%
Copper,7440-50-8†	106857.4	0.6349	mg/L	0.00315	25.396	mg/kg	0.1258	0.50%
Iron,7439-89-6†	199713.3	195.95	mg/L	0.496	7838.0	mg/kg	19.83	0.25%
Lead,7439-92-1†	5624.9	0.6581	mg/L	0.00926	26.323	mg/kg	0.3702	1.41%
Lithium,7439-93-2†	60515.7	0.7143	mg/L	0.00425	28.570	mg/kg	0.1698	0.59%
Magnesium,7439-95-4†	42095.9	142.38	mg/L	2.369	5695.1	mg/kg	94.75	1.66%
Manganese,7439-96-5†	3095305.3	6.8573	mg/L	0.03856	274.29	mg/kg	1.542	0.56%
Molybdenum,7439-98-7†	5386.1	0.4210	mg/L	0.00599	16.840	mg/kg	0.2396	1.42%
Nickel,7440-02-0†	23806.3	0.7020	mg/L	0.00909	28.078	mg/kg	0.3634	1.29%
Potassium,7440-09-7†	148592.4	67.262	mg/L	0.3646	2690.5	mg/kg	14.58	0.54%
Selenium,7782-49-2†	507.0	0.5108	mg/L	0.01044	20.432	mg/kg	0.4177	2.04%
Silicon,7440-21-3†	7638.6	25.915	mg/L	0.4298	1036.6	mg/kg	17.19	1.66%
Silver,7440-22-4†	97162.8	0.4723	mg/L	0.00244	18.892	mg/kg	0.0978	0.52%
Sodium,7440-23-5†	498266.1	143.36	mg/L	0.680	5734.4	mg/kg	27.19	0.47%
Strontium,7440-24-6†	425010.9	1.4874	mg/L	0.00707	59.495	mg/kg	0.2828	0.48%
Thallium,7440-28-0†	815.2	0.4733	mg/L	0.01123	18.934	mg/kg	0.4494	2.37%
Tin,7440-31-5†	2257.9	0.5342	mg/L	0.00893	21.367	mg/kg	0.3571	1.67%
Titanium,7440-32-6†	396432.5	0.8452	mg/L	0.00391	33.808	mg/kg	0.1564	0.46%
Vanadium,7440-62-2†	82039.2	0.7809	mg/L	0.00543	31.238	mg/kg	0.2172	0.70%
Zinc,7440-66-6†	75630.5	1.1257	mg/L	0.00762	45.029	mg/kg	0.3049	0.68%
Zirconium,7440-67-7†	35575.3	0.1077	mg/L	0.00015	4.3094	mg/kg	0.00611	0.14%

Sequence No.: 35
Sample ID: 398760
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 42
Date Collected: 8/9/2006 1:26:18 PM
Data Type: Reprocessed on 8/10/2006 8:25:04 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 398760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3075342.5	106.30	%	0.470				0.44%
Yttrium,7440-65-5A	1716381.0	108.51	%	0.458				0.42%
Yttrium,7440-65-5R	107417.1	117.33	%	1.100				0.94%
Ar 420.067 R	1756518.9	103.95	%	0.297				0.29%
Ar 363.268 A	47053.8	93.963	%	0.2962				0.32%
Aluminum,7429-90-5†	37440.7	130.54	mg/L	1.003	5221.5	mg/kg	40.14	0.77%
Antimony,7440-36-0†	730.2	0.4730	mg/L	0.00616	18.920	mg/kg	0.2463	1.30%
Arsenic,7440-38-2†	505.7	0.5300	mg/L	0.00334	21.200	mg/kg	0.1335	0.63%
Barium,7440-39-3†	190582.4	2.0926	mg/L	0.01316	83.706	mg/kg	0.5265	0.63%
Beryllium,7440-41-7†	1424770.9	0.5249	mg/L	0.00390	20.995	mg/kg	0.1561	0.74%
Boron,7440-42-8†	76534.0	2.7431	mg/L	0.02475	109.73	mg/kg	0.990	0.90%
Cadmium,7440-43-9†	50141.5	0.5061	mg/L	0.00374	20.243	mg/kg	0.1495	0.74%

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Calcium,7440-70-2†	859205.4	425.75	mg/L	4.123	17030	mg/kg	164.9	0.97%
Chromium,7440-47-3†	62036.4	0.6314	mg/L	0.00327	25.256	mg/kg	0.1308	0.52%
Cobalt,7440-48-4†	14586.5	0.5693	mg/L	0.00210	22.771	mg/kg	0.0839	0.37%
Copper,7440-50-8†	105912.7	0.6291	mg/L	0.00426	25.163	mg/kg	0.1704	0.68%
Iron,7439-89-6†	170395.6	167.19	mg/L	1.766	6687.4	mg/kg	70.64	1.06%
Lead,7439-92-1†	5573.6	0.6464	mg/L	0.00176	25.856	mg/kg	0.0702	0.27%
Lithium,7439-93-2†	60442.6	0.7136	mg/L	0.01058	28.542	mg/kg	0.4233	1.48%
Magnesium,7439-95-4†	38720.0	130.96	mg/L	1.672	5238.6	mg/kg	66.88	1.28%
Manganese,7439-96-5†	2999826.4	6.6459	mg/L	0.04535	265.83	mg/kg	1.814	0.68%
Molybdenum,7439-98-7†	6259.6	0.4895	mg/L	0.00352	19.581	mg/kg	0.1406	0.72%
Nickel,7440-02-0†	22905.8	0.6758	mg/L	0.00617	27.032	mg/kg	0.2467	0.91%
Potassium,7440-09-7†	140805.4	63.737	mg/L	0.7382	2549.5	mg/kg	29.53	1.16%
Selenium,7782-49-2†	539.9	0.5263	mg/L	0.00981	21.051	mg/kg	0.3922	1.86%
Silicon,7440-21-3†	17830.6	60.486	mg/L	0.7726	2419.4	mg/kg	30.90	1.28%
Silver,7440-22-4†	93166.4	0.4511	mg/L	0.00462	18.042	mg/kg	0.1848	1.02%
Sodium,7440-23-5†	502901.2	144.73	mg/L	1.379	5789.2	mg/kg	55.14	0.95%
Strontium,7440-24-6†	418440.8	1.4644	mg/L	0.01391	58.576	mg/kg	0.5564	0.95%
Thallium,7440-28-0†	789.3	0.4622	mg/L	0.00204	18.488	mg/kg	0.0816	0.44%
Tin,7440-31-5†	2163.5	0.5133	mg/L	0.00299	20.531	mg/kg	0.1196	0.58%
Titanium,7440-32-6†	704684.3	1.5026	mg/L	0.05824	60.104	mg/kg	2.3297	3.88%
Vanadium,7440-62-2†	82055.8	0.7810	mg/L	0.00529	31.239	mg/kg	0.2116	0.68%
Zinc,7440-66-6†	72250.0	1.0751	mg/L	0.00781	43.003	mg/kg	0.3125	0.73%
Zirconium,7440-67-7†	31987.4	0.0987	mg/L	0.00235	3.9484	mg/kg	0.09419	2.39%

Sequence No.: 36
Sample ID: 398761
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Autosampler Location: 43
Date Collected: 8/9/2006 1:32:21 PM
Data Type: Reprocessed on 8/10/2006 8:25:05 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 398761

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3222462.2	111.39	%	0.280				0.25%
Yttrium,7440-65-5A	1742600.7	110.17	%	0.285				0.26%
Yttrium,7440-65-5R	109234.2	119.32	%	1.475				1.24%
Ar 420.067 R	1817712.1	107.57	%	0.441				0.41%
Ar 363.268 A	48480.8	96.812	%	0.3054				0.32%
Aluminum,7429-90-5†	7220.9	25.175	mg/L	0.1726	5035.1	mg/kg	34.51	0.69%
Antimony,7440-36-0†	-15.6	-0.0070	mg/L	0.00111	-1.3996	mg/kg	0.22123	15.81%
Arsenic,7440-38-2†	-1.2	0.0057	mg/L	0.00484	1.1444	mg/kg	0.96767	84.56%
Barium,7440-39-3†	30537.3	0.3354	mg/L	0.00734	67.090	mg/kg	1.4682	2.19%
Beryllium,7440-41-7†	4869.0	0.0017	mg/L	0.00000	0.3459	mg/kg	0.00074	0.22%
Boron,7440-42-8†	3162.4	0.0899	mg/L	0.00115	17.989	mg/kg	0.2306	1.28%
Cadmium,7440-43-9†	108.5	0.0005	mg/L	0.00008	0.1011	mg/kg	0.01644	16.26%
Calcium,7440-70-2†	176831.7	87.623	mg/L	1.8661	17525	mg/kg	373.2	2.13%
Chromium,7440-47-3†	3185.4	0.0270	mg/L	0.00104	5.4062	mg/kg	0.20815	3.85%
Cobalt,7440-48-4†	420.9	0.0163	mg/L	0.00041	3.2608	mg/kg	0.08166	2.50%
Copper,7440-50-8†	3865.1	0.0233	mg/L	0.00052	4.6662	mg/kg	0.10483	2.25%
Iron,7439-89-6†	35287.3	34.622	mg/L	0.2830	6924.4	mg/kg	56.60	0.82%
Lead,7439-92-1†	215.4	0.0312	mg/L	0.00109	6.2438	mg/kg	0.21855	3.50%
Lithium,7439-93-2†	3618.2	0.0423	mg/L	0.00148	8.4608	mg/kg	0.29538	3.49%
Magnesium,7439-95-4†	7943.5	26.867	mg/L	0.2497	5373.5	mg/kg	49.94	0.93%
Manganese,7439-96-5†	586792.9	1.3000	mg/L	0.01026	259.99	mg/kg	2.051	0.79%
Molybdenum,7439-98-7†	8.2	0.0007	mg/L	0.00045	0.1473	mg/kg	0.08946	60.74%
Nickel,7440-02-0†	1343.4	0.0394	mg/L	0.00041	7.8884	mg/kg	0.08214	1.04%
Potassium,7440-09-7†	21778.2	9.8527	mg/L	0.17023	1970.5	mg/kg	34.05	1.73%
Selenium,7782-49-2†	-23.5	-0.0074	mg/L	0.00895	-1.4860	mg/kg	1.78950	120.42%
Silicon,7440-21-3†	3079.9	10.448	mg/L	0.0724	2089.6	mg/kg	14.48	0.69%
Silver,7440-22-4†	-2604.0	-0.0105	mg/L	0.00007	-2.1005	mg/kg	0.01431	0.68%
Sodium,7440-23-5†	86209.5	24.799	mg/L	0.4764	4959.8	mg/kg	95.28	1.92%
Strontium,7440-24-6†	54411.7	0.1905	mg/L	0.00345	38.095	mg/kg	0.6896	1.81%
Thallium,7440-28-0†	-8.9	-0.0027	mg/L	0.00152	-0.5474	mg/kg	0.30425	55.58%
Tin,7440-31-5†	-22.8	-0.0052	mg/L	0.00166	-1.0500	mg/kg	0.33245	31.66%
Titanium,7440-32-6†	93558.1	0.1995	mg/L	0.00211	39.896	mg/kg	0.4221	1.06%
Vanadium,7440-62-2†	5627.5	0.0535	mg/L	0.00141	10.703	mg/kg	0.2825	2.64%
Zinc,7440-66-6†	7185.6	0.1076	mg/L	0.00050	21.511	mg/kg	0.0991	0.46%
Zirconium,7440-67-7†	5938.5	0.0181	mg/L	0.00087	3.6200	mg/kg	0.17377	4.80%

001547

168008

Sequence No.: 37
Sample ID: 20608043104
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 44
Date Collected: 8/9/2006 1:38:33 PM
Data Type: Reprocessed on 8/10/2006 8:25:07 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043104

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3000068.2	103.70	%	6.546				6.31%
Yttrium,7440-65-5A	1669328.0	105.54	%	6.213				5.89%
Yttrium,7440-65-5R	106513.7	116.34	%	1.915				1.65%
Ar 420.067 R	1773977.5	104.99	%	0.289				0.28%
Ar 363.268 A	47462.9	94.780	%	0.1828				0.19%
Aluminum,7429-90-5†	32028.0	111.66	mg/L	9.138	4431.1	mg/kg	362.64	8.18%
Antimony,7440-36-0†	-75.7	-0.0352	mg/L	0.00266	-1.3985	mg/kg	0.10564	7.55%
Arsenic,7440-38-2†	-38.3	-0.0065	mg/L	0.00815	-0.2578	mg/kg	0.32340	125.43%
Barium,7440-39-3†	129960.3	1.4276	mg/L	0.09073	56.653	mg/kg	3.6002	6.35%
Beryllium,7440-41-7†	22521.8	0.0083	mg/L	0.00040	0.3294	mg/kg	0.01579	4.79%
Boron,7440-42-8†	7276.7	0.1381	mg/L	0.01446	5.4785	mg/kg	0.57400	10.48%
Cadmium,7440-43-9†	529.6	0.0026	mg/L	0.00029	0.1013	mg/kg	0.01162	11.48%
Calcium,7440-70-2†	856306.7	424.31	mg/L	29.642	16838	mg/kg	1176.3	6.99%
Chromium,7440-47-3†	14133.2	0.1183	mg/L	0.00674	4.6961	mg/kg	0.26753	5.70%
Cobalt,7440-48-4†	1947.8	0.0754	mg/L	0.00441	2.9933	mg/kg	0.17492	5.84%
Copper,7440-50-8†	20111.0	0.1210	mg/L	0.00903	4.8019	mg/kg	0.35822	7.46%
Iron,7439-89-6†	164345.5	161.25	mg/L	11.629	6398.7	mg/kg	461.47	7.21%
Lead,7439-92-1†	1083.4	0.1545	mg/L	0.01296	6.1293	mg/kg	0.51433	8.39%
Lithium,7439-93-2†	16932.5	0.1980	mg/L	0.01214	7.8573	mg/kg	0.48191	6.13%
Magnesium,7439-95-4†	36782.9	124.41	mg/L	10.224	4937.0	mg/kg	405.73	8.22%
Manganese,7439-96-5†	2785132.1	6.1700	mg/L	0.39759	244.84	mg/kg	15.777	6.44%
Molybdenum,7439-98-7†	-18.4	-0.0009	mg/L	0.00166	-0.0375	mg/kg	0.06603	175.97%
Nickel,7440-02-0†	6046.6	0.1772	mg/L	0.00977	7.0330	mg/kg	0.38767	5.51%
Potassium,7440-09-7†	107830.7	48.791	mg/L	3.3268	1936.1	mg/kg	132.01	6.82%
Selenium,7782-49-2†	-101.0	-0.0287	mg/L	0.01054	-1.1386	mg/kg	0.41815	36.72%
Silicon,7440-21-3†	7487.4	25.402	mg/L	2.0525	1008.0	mg/kg	81.45	8.08%
Silver,7440-22-4†	-10692.1	-0.0419	mg/L	0.00299	-1.6646	mg/kg	0.11857	7.12%
Sodium,7440-23-5†	455704.6	131.15	mg/L	9.107	5204.4	mg/kg	361.37	6.94%
Strontium,7440-24-6†	266820.4	0.9340	mg/L	0.06363	37.065	mg/kg	2.5250	6.81%
Thallium,7440-28-0†	-62.4	-0.0280	mg/L	0.00802	-1.1115	mg/kg	0.31809	28.62%
Tin,7440-31-5†	-46.8	-0.0102	mg/L	0.00127	-0.4051	mg/kg	0.05022	12.40%
Titanium,7440-32-6†	214998.8	0.4583	mg/L	0.03403	18.187	mg/kg	1.3505	7.43%
Vanadium,7440-62-2†	25555.7	0.2431	mg/L	0.01606	9.6458	mg/kg	0.63726	6.61%
Zinc,7440-66-6†	36772.9	0.5500	mg/L	0.03471	21.825	mg/kg	1.3773	6.31%
Zirconium,7440-67-7†	23371.7	0.0701	mg/L	0.00533	2.7810	mg/kg	0.21157	7.61%

Sequence No.: 38
Sample ID: 20608043105
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 45
Date Collected: 8/9/2006 1:44:37 PM
Data Type: Reprocessed on 8/10/2006 8:25:08 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043105

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3042875.4	105.18	%	0.423				0.40%
Yttrium,7440-65-5A	1698760.1	107.40	%	0.408				0.38%
Yttrium,7440-65-5R	106909.1	116.78	%	1.095				0.94%
Ar 420.067 R	1762272.4	104.29	%	0.382				0.37%
Ar 363.268 A	47285.9	94.426	%	0.3879				0.41%
Aluminum,7429-90-5†	34375.8	119.85	mg/L	1.628	4755.9	mg/kg	64.61	1.36%
Antimony,7440-36-0†	-79.1	-0.0366	mg/L	0.00999	-1.4530	mg/kg	0.39634	27.28%
Arsenic,7440-38-2†	-54.8	-0.0203	mg/L	0.00230	-0.8056	mg/kg	0.09124	11.33%
Barium,7440-39-3†	146920.6	1.6139	mg/L	0.00750	64.045	mg/kg	0.2978	0.46%
Beryllium,7440-41-7†	23986.9	0.0088	mg/L	0.00001	0.3502	mg/kg	0.00028	0.08%
Boron,7440-42-8†	7143.2	0.1236	mg/L	0.00182	4.9039	mg/kg	0.07212	1.47%
Cadmium,7440-43-9†	564.8	0.0028	mg/L	0.00011	0.1096	mg/kg	0.00423	3.86%

Calcium,7440-70-2†	893512.4	442.75 mg/L	5.875	17569 mg/kg	233.1	1.33%
Chromium,7440-47-3†	15227.2	0.1277 mg/L	0.00055	5.0677 mg/kg	0.02186	0.43%
Cobalt,7440-48-4†	2085.7	0.0808 mg/L	0.00073	3.2053 mg/kg	0.02914	0.91%
Copper,7440-50-8†	21293.8	0.1281 mg/L	0.00054	5.0829 mg/kg	0.02129	0.42%
Iron,7439-89-6†	175420.4	172.11 mg/L	1.997	6829.9 mg/kg	79.24	1.16%
Lead,7439-92-1†	1154.5	0.1646 mg/L	0.00119	6.5316 mg/kg	0.04732	0.72%
Lithium,7439-93-2†	18082.1	0.2115 mg/L	0.00172	8.3923 mg/kg	0.06819	0.81%
Magnesium,7439-95-4†	39048.2	132.07 mg/L	1.619	5241.0 mg/kg	64.24	1.23%
Manganese,7439-96-5†	2880895.1	6.3821 mg/L	0.03479	253.26 mg/kg	1.380	0.55%
Molybdenum,7439-98-7†	-5.4	0.0001 mg/L	0.00163	0.0024 mg/kg	0.06454	>999.9%
Nickel,7440-02-0†	6517.3	0.1911 mg/L	0.00059	7.5821 mg/kg	0.02327	0.31%
Potassium,7440-09-7†	114362.6	51.747 mg/L	0.6163	2053.5 mg/kg	24.46	1.19%
Selenium,7782-49-2†	-110.3	-0.0326 mg/L	0.00231	-1.2952 mg/kg	0.09148	7.06%
Silicon,7440-21-3†	7557.8	25.641 mg/L	0.2704	1017.5 mg/kg	10.73	1.05%
Silver,7440-22-4†	-11292.3	-0.0442 mg/L	0.00097	-1.7527 mg/kg	0.03867	2.21%
Sodium,7440-23-5†	468112.8	134.71 mg/L	1.574	5345.7 mg/kg	62.45	1.17%
Strontium,7440-24-6†	282756.3	0.9898 mg/L	0.01116	39.278 mg/kg	0.4427	1.13%
Thallium,7440-28-0†	-63.4	-0.0280 mg/L	0.00135	-1.1104 mg/kg	0.05345	4.81%
Tin,7440-31-5†	-26.9	-0.0056 mg/L	0.00192	-0.2221 mg/kg	0.07633	34.36%
Titanium,7440-32-6†	228641.2	0.4874 mg/L	0.00389	19.341 mg/kg	0.1543	0.80%
Vanadium,7440-62-2†	26988.6	0.2567 mg/L	0.00190	10.187 mg/kg	0.0753	0.74%
Zinc,7440-66-6†	39087.5	0.5845 mg/L	0.00356	23.196 mg/kg	0.1415	0.61%
Zirconium,7440-67-7†	26093.2	0.0783 mg/L	0.00026	3.1077 mg/kg	0.01035	0.33%

Sequence No.: 39
Sample ID: 20608043106
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 46
Date Collected: 8/9/2006 1:50:42 PM
Data Type: Reprocessed on 8/10/2006 8:25:11 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043106

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3101433.1	107.20	%	1.001				0.93%
Yttrium,7440-65-5A	1736057.2	109.75	%	1.027				0.94%
Yttrium,7440-65-5R	109188.3	119.26	%	1.408				1.18%
Ar 420.067 R	1767935.5	104.63	%	0.339				0.32%
Ar 363.268 A	46962.4	93.780	%	0.0906				0.10%
Aluminum,7429-90-5†	38836.8	135.40	mg/L	2.297	5416.1	mg/kg	91.89	1.70%
Antimony,7440-36-0†	-84.1	-0.0390	mg/L	0.00245	-1.5597	mg/kg	0.09791	6.28%
Arsenic,7440-38-2†	-64.2	-0.0247	mg/L	0.00846	-0.9875	mg/kg	0.33825	34.25%
Barium,7440-39-3†	139896.7	1.5368	mg/L	0.01133	61.470	mg/kg	0.4532	0.74%
Beryllium,7440-41-7†	28077.4	0.0104	mg/L	0.00005	0.4143	mg/kg	0.00216	0.52%
Boron,7440-42-8†	8251.6	0.1519	mg/L	0.00188	6.0761	mg/kg	0.07536	1.24%
Cadmium,7440-43-9†	611.3	0.0029	mg/L	0.00011	0.1178	mg/kg	0.00442	3.75%
Calcium,7440-70-2†	879991.8	436.06	mg/L	5.611	17442	mg/kg	224.5	1.29%
Chromium,7440-47-3†	16198.6	0.1353	mg/L	0.00189	5.4115	mg/kg	0.07573	1.40%
Cobalt,7440-48-4†	2219.4	0.0859	mg/L	0.00123	3.4366	mg/kg	0.04936	1.44%
Copper,7440-50-8†	24789.1	0.1494	mg/L	0.00100	5.9773	mg/kg	0.03988	0.67%
Iron,7439-89-6†	191972.8	188.36	mg/L	1.413	7534.2	mg/kg	56.51	0.75%
Lead,7439-92-1†	1295.0	0.1833	mg/L	0.00128	7.3319	mg/kg	0.05122	0.70%
Lithium,7439-93-2†	19719.9	0.2306	mg/L	0.00245	9.2259	mg/kg	0.09780	1.06%
Magnesium,7439-95-4†	42816.3	144.82	mg/L	2.826	5792.7	mg/kg	113.04	1.95%
Manganese,7439-96-5†	3529244.4	7.8185	mg/L	0.05233	312.74	mg/kg	2.093	0.67%
Molybdenum,7439-98-7†	-10.2	-0.0002	mg/L	0.00147	-0.0085	mg/kg	0.05892	695.41%
Nickel,7440-02-0†	6986.4	0.2048	mg/L	0.00225	8.1900	mg/kg	0.09013	1.10%
Potassium,7440-09-7†	137340.3	62.162	mg/L	0.6791	2486.5	mg/kg	27.16	1.09%
Selenium,7782-49-2†	-114.4	-0.0289	mg/L	0.01260	-1.1543	mg/kg	0.50415	43.67%
Silicon,7440-21-3†	7941.9	26.944	mg/L	0.4030	1077.7	mg/kg	16.12	1.50%
Silver,7440-22-4†	-12526.5	-0.0491	mg/L	0.00043	-1.9654	mg/kg	0.01707	0.87%
Sodium,7440-23-5†	649228.6	186.97	mg/L	1.856	7479.0	mg/kg	74.24	0.99%
Strontium,7440-24-6†	309610.9	1.0837	mg/L	0.01048	43.350	mg/kg	0.4192	0.97%
Thallium,7440-28-0†	-64.9	-0.0289	mg/L	0.00493	-1.1572	mg/kg	0.19728	17.05%
Tin,7440-31-5†	-26.6	-0.0062	mg/L	0.00069	-0.2476	mg/kg	0.02760	11.15%
Titanium,7440-32-6†	208943.4	0.4454	mg/L	0.00413	17.815	mg/kg	0.1653	0.93%
Vanadium,7440-62-2†	29049.7	0.2763	mg/L	0.00265	11.051	mg/kg	0.1060	0.96%
Zinc,7440-66-6†	44957.1	0.6716	mg/L	0.00421	26.865	mg/kg	0.1683	0.63%
Zirconium,7440-67-7†	26462.8	0.0791	mg/L	0.00075	3.1636	mg/kg	0.02989	0.94%

Sequence No.: 40
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 1:56:47 PM
Data Type: Reprocessed on 8/10/2006 8:25:17 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3199693.9	110.60	%	0.999				0.90%
Yttrium,7440-65-5A	1721115.5	108.81	%	0.927				0.85%
Yttrium,7440-65-5R	105427.1	115.16	%	1.209				1.05%
Ar 420.067 R	1808508.2	107.03	%	0.683				0.64%
Ar 363.268 A	49386.6	98.621	%	0.2787				0.28%
Aluminum,7429-90-5†	1468.4	5.1236	mg/L	0.02725	5.1236	mg/L	0.02725	0.53%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.47%								
Antimony,7440-36-0†	863.5	0.5433	mg/L	0.00621	0.5433	mg/L	0.00621	1.14%
QC value within limits for Antimony,7440-36-0 Recovery = 108.67%								
Arsenic,7440-38-2†	557.3	0.5483	mg/L	0.00828	0.5483	mg/L	0.00828	1.51%
QC value within limits for Arsenic,7440-38-2 Recovery = 109.66%								
Barium,7440-39-3†	48196.1	0.5285	mg/L	0.00296	0.5285	mg/L	0.00296	0.56%
QC value within limits for Barium,7440-39-3 Recovery = 105.71%								
Beryllium,7440-41-7†	1434788.4	0.5289	mg/L	0.00084	0.5289	mg/L	0.00084	0.16%
QC value within limits for Beryllium,7440-41-7 Recovery = 105.78%								
Boron,7440-42-8†	71582.9	2.6930	mg/L	0.00968	2.6930	mg/L	0.00968	0.36%
QC value within limits for Boron,7440-42-8 Recovery = 107.72%								
Cadmium,7440-43-9†	53694.1	0.5450	mg/L	0.00231	0.5450	mg/L	0.00231	0.42%
QC value within limits for Cadmium,7440-43-9 Recovery = 108.99%								
Calcium,7440-70-2†	11017.1	5.4647	mg/L	0.04754	5.4647	mg/L	0.04754	0.87%
QC value within limits for Calcium,7440-70-2 Recovery = 109.29%								
Chromium,7440-47-3†	49465.2	0.5298	mg/L	0.00282	0.5298	mg/L	0.00282	0.53%
QC value within limits for Chromium,7440-47-3 Recovery = 105.97%								
Cobalt,7440-48-4†	13879.0	0.5424	mg/L	0.00358	0.5424	mg/L	0.00358	0.66%
QC value within limits for Cobalt,7440-48-4 Recovery = 108.48%								
Copper,7440-50-8†	87737.8	0.5194	mg/L	0.00407	0.5194	mg/L	0.00407	0.78%
QC value within limits for Copper,7440-50-8 Recovery = 103.87%								
Iron,7439-89-6†	5390.5	5.2902	mg/L	0.03492	5.2902	mg/L	0.03492	0.66%
QC value within limits for Iron,7439-89-6 Recovery = 105.80%								
Lead,7439-92-1†	4892.4	0.5362	mg/L	0.00864	0.5362	mg/L	0.00864	1.61%
QC value within limits for Lead,7439-92-1 Recovery = 107.24%								
Lithium,7439-93-2†	45344.2	0.5373	mg/L	0.00395	0.5373	mg/L	0.00395	0.73%
QC value within limits for Lithium,7439-93-2 Recovery = 107.47%								
Magnesium,7439-95-4†	1648.2	5.5756	mg/L	0.02781	5.5756	mg/L	0.02781	0.50%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 111.51%								
Manganese,7439-96-5†	238785.0	0.5292	mg/L	0.00313	0.5292	mg/L	0.00313	0.59%
QC value within limits for Manganese,7439-96-5 Recovery = 105.83%								
Molybdenum,7439-98-7†	6723.0	0.5254	mg/L	0.00816	0.5254	mg/L	0.00816	1.55%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.08%								
Nickel,7440-02-0†	18342.6	0.5421	mg/L	0.00395	0.5421	mg/L	0.00395	0.73%
QC value within limits for Nickel,7440-02-0 Recovery = 108.42%								
Potassium,7440-09-7†	23474.0	10.640	mg/L	0.0811	10.640	mg/L	0.0811	0.76%
QC value within limits for Potassium,7440-09-7 Recovery = 106.40%								
Selenium,7782-49-2†	630.5	0.5433	mg/L	0.01059	0.5433	mg/L	0.01059	1.95%
QC value within limits for Selenium,7782-49-2 Recovery = 108.65%								
Silicon,7440-21-3†	158.9	0.5384	mg/L	0.02551	0.5384	mg/L	0.02551	4.74%
QC value within limits for Silicon,7440-21-3 Recovery = 107.68%								
Silver,7440-22-4†	107580.4	0.5109	mg/L	0.00342	0.5109	mg/L	0.00342	0.67%
QC value within limits for Silver,7440-22-4 Recovery = 102.18%								
Sodium,7440-23-5†	74857.1	21.579	mg/L	0.1743	21.579	mg/L	0.1743	0.81%
QC value within limits for Sodium,7440-23-5 Recovery = 107.89%								
Strontium,7440-24-6†	155152.3	0.5427	mg/L	0.01406	0.5427	mg/L	0.01406	2.59%
QC value within limits for Strontium,7440-24-6 Recovery = 108.55%								
Thallium,7440-28-0†	948.4	0.5411	mg/L	0.00705	0.5411	mg/L	0.00705	1.30%
QC value within limits for Thallium,7440-28-0 Recovery = 108.23%								
Tin,7440-31-5†	2319.2	0.5496	mg/L	0.00836	0.5496	mg/L	0.00836	1.52%
QC value within limits for Tin,7440-31-5 Recovery = 109.91%								
Titanium,7440-32-6†	242767.0	0.5177	mg/L	0.00102	0.5177	mg/L	0.00102	0.20%
QC value within limits for Titanium,7440-32-6 Recovery = 103.54%								
Vanadium,7440-62-2†	55572.1	0.5291	mg/L	0.00442	0.5291	mg/L	0.00442	0.83%

QC value within limits for Vanadium,7440-62-2 Recovery = 105.83%

Zinc,7440-66-6†	36523.1	0.5407 mg/L	0.00298	0.5407 mg/L	0.00298	0.55%

QC value within limits for Zinc,7440-66-6 Recovery = 108.14%

Zirconium,7440-67-7†	167236.6	0.5137 mg/L	0.00266	0.5137 mg/L	0.00266	0.52%

QC value within limits for Zirconium,7440-67-7 Recovery = 102.73%

QC Failed. Continue with analysis.

Sequence No.: 41 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/9/2006 2:02:55 PM**
Analyst: **Data Type: Reprocessed on 8/10/2006 8:25:18 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3239025.4	111.96	%	0.804				0.72%
Yttrium,7440-65-5A	1758473.6	111.17	%	0.903				0.81%
Yttrium,7440-65-5R	108049.2	118.02	%	0.795				0.67%
Ar 420.067 R	1814237.2	107.37	%	0.498				0.46%
Ar 363.268 A	49401.5	98.651	%	0.2609				0.26%
Aluminum,7429-90-5†	10.0	0.0349	mg/L	0.01575	0.0349	mg/L	0.01575	45.15%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-0.1	-0.0001	mg/L	0.00348	-0.0001	mg/L	0.00348	>999.9%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	11.3	0.0111	mg/L	0.00255	0.0111	mg/L	0.00255	23.06%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	21.1	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	20.45%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-130.3	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	116.14%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1330.4	0.0501	mg/L	0.00647	0.0501	mg/L	0.00647	12.91%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-15.4	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	39.87%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-6.5	-0.0032	mg/L	0.00251	-0.0032	mg/L	0.00251	77.84%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-33.3	-0.0004	mg/L	0.00015	-0.0004	mg/L	0.00015	43.17%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	6.2	0.0002	mg/L	0.00010	0.0002	mg/L	0.00010	42.75%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	95.2	0.0006	mg/L	0.00031	0.0006	mg/L	0.00031	55.21%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	2.2	0.0021	mg/L	0.00628	0.0021	mg/L	0.00628	297.27%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-18.3	-0.0020	mg/L	0.00094	-0.0020	mg/L	0.00094	46.98%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	80.0	0.0009	mg/L	0.00028	0.0009	mg/L	0.00028	29.03%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-2.8	-0.0096	mg/L	0.01998	-0.0096	mg/L	0.01998	207.87%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	54.1	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	51.22%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	13.1	0.0010	mg/L	0.00054	0.0010	mg/L	0.00054	52.48%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-25.2	-0.0007	mg/L	0.00038	-0.0007	mg/L	0.00038	51.72%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	242.8	0.1101	mg/L	0.03630	0.1101	mg/L	0.03630	32.97%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-12.5	-0.0107	mg/L	0.00571	-0.0107	mg/L	0.00571	53.45%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	1.0	0.0033	mg/L	0.01807	0.0033	mg/L	0.01807	546.05%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	121.3	0.0006	mg/L	0.00028	0.0006	mg/L	0.00028	49.07%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-390.9	-0.1129	mg/L	0.02109	-0.1129	mg/L	0.02109	18.68%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	12.1	0.0000	mg/L	0.00039	0.0000	mg/L	0.00039	918.92%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								

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Thallium,7440-28-0†	-1.2	-0.0007 mg/L	0.00197	-0.0007 mg/L	0.00197	300.40%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5†	6.1	0.0015 mg/L	0.00119	0.0015 mg/L	0.00119	82.03%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	-32.5	-0.0001 mg/L	0.00007	-0.0001 mg/L	0.00007	106.21%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	163.9	0.0016 mg/L	0.00017	0.0016 mg/L	0.00017	11.11%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-322.1	-0.0048 mg/L	0.00019	-0.0048 mg/L	0.00019	4.02%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	220.3	0.0007 mg/L	0.00019	0.0007 mg/L	0.00019	28.44%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 42
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 47
Date Collected: 8/9/2006 2:10:05 PM
Data Type: Reprocessed on 8/10/2006 8:25:20 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3324389.2	114.91	%	0.447				0.39%
Yttrium,7440-65-5A	1796863.2	113.60	%	0.402				0.35%
Yttrium,7440-65-5R	108361.2	118.36	%	1.798				1.52%
Ar 420.067 R	1838210.9	108.79	%	0.041				0.04%
Ar 363.268 A	49575.2	98.998	%	0.3106				0.31%
Aluminum,7429-90-5†	75.2	0.2622	mg/L	0.01831	0.2622	mg/L	0.01831	6.98%
Antimony,7440-36-0†	-2.9	-0.0018	mg/L	0.00728	-0.0018	mg/L	0.00728	408.52%
Arsenic,7440-38-2†	7.2	0.0070	mg/L	0.00431	0.0070	mg/L	0.00431	61.11%
Barium,7440-39-3†	115.7	0.0013	mg/L	0.00006	0.0013	mg/L	0.00006	4.61%
Beryllium,7440-41-7†	-181.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	43.97%
Boron,7440-42-8†	568.8	0.0214	mg/L	0.00120	0.0214	mg/L	0.00120	5.58%
Cadmium,7440-43-9†	-10.4	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	25.68%
Calcium,7440-70-2†	3143.8	1.5576	mg/L	0.01483	1.5576	mg/L	0.01483	0.95%
Chromium,7440-47-3†	-2.1	0.0000	mg/L	0.00021	0.0000	mg/L	0.00021	981.69%
Cobalt,7440-48-4†	8.6	0.0003	mg/L	0.00026	0.0003	mg/L	0.00026	77.57%
Copper,7440-50-8†	-45.6	-0.0003	mg/L	0.00036	-0.0003	mg/L	0.00036	132.34%
Iron,7439-89-6†	22.3	0.0218	mg/L	0.00247	0.0218	mg/L	0.00247	11.33%
Lead,7439-92-1†	-8.9	-0.0010	mg/L	0.00043	-0.0010	mg/L	0.00043	44.41%
Lithium,7439-93-2†	50.6	0.0006	mg/L	0.00043	0.0006	mg/L	0.00043	72.75%
Magnesium,7439-95-4†	15.5	0.0524	mg/L	0.01115	0.0524	mg/L	0.01115	21.29%
Manganese,7439-96-5†	2196.3	0.0049	mg/L	0.00004	0.0049	mg/L	0.00004	0.80%
Molybdenum,7439-98-7†	14.3	0.0011	mg/L	0.00008	0.0011	mg/L	0.00008	7.37%
Nickel,7440-02-0†	-10.6	-0.0003	mg/L	0.00028	-0.0003	mg/L	0.00028	88.49%
Potassium,7440-09-7†	324.4	0.1469	mg/L	0.01126	0.1469	mg/L	0.01126	7.67%
Selenium,7782-49-2†	-7.3	-0.0062	mg/L	0.00508	-0.0062	mg/L	0.00508	81.46%
Silicon,7440-21-3†	2.5	0.0084	mg/L	0.02014	0.0084	mg/L	0.02014	240.08%
Silver,7440-22-4†	35.2	0.0002	mg/L	0.00051	0.0002	mg/L	0.00051	332.61%
Sodium,7440-23-5†	219.4	0.0627	mg/L	0.01445	0.0627	mg/L	0.01445	23.06%
Strontium,7440-24-6†	1055.5	0.0037	mg/L	0.00030	0.0037	mg/L	0.00030	8.24%
Thallium,7440-28-0†	1.6	0.0009	mg/L	0.00014	0.0009	mg/L	0.00014	15.26%
Tin,7440-31-5†	74.2	0.0176	mg/L	0.00082	0.0176	mg/L	0.00082	4.67%
Titanium,7440-32-6†	437.1	0.0009	mg/L	0.00014	0.0009	mg/L	0.00014	15.52%
Vanadium,7440-62-2†	203.9	0.0019	mg/L	0.00014	0.0019	mg/L	0.00014	6.96%
Zinc,7440-66-6†	5082.5	0.0751	mg/L	0.00084	0.0751	mg/L	0.00084	1.12%
Zirconium,7440-67-7†	-14.9	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	102.86%

Sequence No.: 43
Sample ID: 20608043107
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 48
Date Collected: 8/9/2006 2:17:21 PM
Data Type: Reprocessed on 8/10/2006 8:25:21 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043107

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3017605.2	104.31	%	1.050				1.01%
Yttrium,7440-65-5A	1690365.8	106.87	%	0.760				0.71%
Yttrium,7440-65-5R	107937.2	117.90	%	2.123				1.80%
Ar 420.067 R	1761166.7	104.23	%	0.082				0.08%
Ar 363.268 A	46811.0	93.478	%	0.1598				0.17%
Aluminum,7429-90-5†	42907.1	149.59	mg/L	3.779	5983.7	mg/kg	151.15	2.53%
Antimony,7440-36-0†	-91.4	-0.0421	mg/L	0.00448	-1.6827	mg/kg	0.17928	10.65%
Arsenic,7440-38-2†	-75.6	-0.0330	mg/L	0.00142	-1.3192	mg/kg	0.05687	4.31%
Barium,7440-39-3†	148444.8	1.6307	mg/L	0.01241	65.227	mg/kg	0.4965	0.76%
Beryllium,7440-41-7†	30242.8	0.0112	mg/L	0.00010	0.4474	mg/kg	0.00404	0.90%
Boron,7440-42-8†	8155.6	0.1336	mg/L	0.00146	5.3435	mg/kg	0.05841	1.09%
Cadmium,7440-43-9†	684.0	0.0034	mg/L	0.00013	0.1371	mg/kg	0.00521	3.80%
Calcium,7440-70-2†	1011531.0	501.23	mg/L	6.859	20049	mg/kg	274.3	1.37%
Chromium,7440-47-3†	17917.5	0.1499	mg/L	0.00104	5.9975	mg/kg	0.04152	0.69%
Cobalt,7440-48-4†	2441.3	0.0945	mg/L	0.00096	3.7806	mg/kg	0.03821	1.01%
Copper,7440-50-8†	26684.7	0.1606	mg/L	0.00161	6.4245	mg/kg	0.06451	1.00%
Iron,7439-89-6†	209300.5	205.36	mg/L	2.886	8214.2	mg/kg	115.44	1.41%
Lead,7439-92-1†	1399.3	0.1986	mg/L	0.00334	7.9429	mg/kg	0.13351	1.68%
Lithium,7439-93-2†	21011.7	0.2457	mg/L	0.00460	9.8276	mg/kg	0.18401	1.87%
Magnesium,7439-95-4†	46545.7	157.43	mg/L	4.489	6297.3	mg/kg	179.56	2.85%
Manganese,7439-96-5†	3590899.6	7.9550	mg/L	0.05423	318.20	mg/kg	2.169	0.68%
Molybdenum,7439-98-7†	-27.1	-0.0016	mg/L	0.00049	-0.0641	mg/kg	0.01966	30.68%
Nickel,7440-02-0†	7694.9	0.2255	mg/L	0.00259	9.0214	mg/kg	0.10366	1.15%
Potassium,7440-09-7†	141673.4	64.113	mg/L	0.8815	2564.5	mg/kg	35.26	1.37%
Selenium,7782-49-2†	-133.0	-0.0386	mg/L	0.00517	-1.5441	mg/kg	0.20681	13.39%
Silicon,7440-21-3†	8571.3	29.079	mg/L	0.7447	1163.2	mg/kg	29.79	2.56%
Silver,7440-22-4†	-13287.8	-0.0518	mg/L	0.00135	-2.0733	mg/kg	0.05399	2.60%
Sodium,7440-23-5†	551351.6	158.66	mg/L	2.236	6346.4	mg/kg	89.44	1.41%
Strontium,7440-24-6†	319408.8	1.1181	mg/L	0.01567	44.725	mg/kg	0.6269	1.40%
Thallium,7440-28-0†	-70.8	-0.0316	mg/L	0.00564	-1.2630	mg/kg	0.22545	17.85%
Tin,7440-31-5†	-37.7	-0.0086	mg/L	0.00166	-0.3435	mg/kg	0.06630	19.30%
Titanium,7440-32-6†	213566.1	0.4552	mg/L	0.00460	18.209	mg/kg	0.1838	1.01%
Vanadium,7440-62-2†	32442.8	0.3086	mg/L	0.00277	12.344	mg/kg	0.1110	0.90%
Zinc,7440-66-6†	46684.4	0.6980	mg/L	0.00577	27.920	mg/kg	0.2307	0.83%
Zirconium,7440-67-7†	27598.5	0.0823	mg/L	0.00110	3.2927	mg/kg	0.04392	1.33%

Sequence No.: 44
Sample ID: 20608043108
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 49
Date Collected: 8/9/2006 2:23:29 PM
Data Type: Reprocessed on 8/10/2006 8:25:23 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608043108

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3060276.3	105.78	%	0.545				0.52%
Yttrium,7440-65-5A	1711983.4	108.23	%	0.510				0.47%
Yttrium,7440-65-5R	108504.4	118.52	%	1.324				1.12%
Ar 420.067 R	1779145.5	105.29	%	0.097				0.09%
Ar 363.268 A	46871.7	93.599	%	0.1722				0.18%
Aluminum,7429-90-5†	32800.1	114.36	mg/L	1.731	4537.9	mg/kg	68.68	1.51%
Antimony,7440-36-0†	-72.4	-0.0331	mg/L	0.01283	-1.3153	mg/kg	0.50905	38.70%
Arsenic,7440-38-2†	-52.3	-0.0184	mg/L	0.00814	-0.7316	mg/kg	0.32286	44.13%
Barium,7440-39-3†	136086.5	1.4949	mg/L	0.00605	59.323	mg/kg	0.2402	0.40%
Beryllium,7440-41-7†	23547.8	0.0087	mg/L	0.00002	0.3454	mg/kg	0.00063	0.18%
Boron,7440-42-8†	7232.2	0.1327	mg/L	0.00254	5.2652	mg/kg	0.10079	1.91%
Cadmium,7440-43-9†	551.4	0.0026	mg/L	0.00006	0.1019	mg/kg	0.00242	2.37%
Calcium,7440-70-2†	812977.2	402.85	mg/L	1.371	15986	mg/kg	54.4	0.34%
Chromium,7440-47-3†	14212.0	0.1189	mg/L	0.00076	4.7175	mg/kg	0.03013	0.64%
Cobalt,7440-48-4†	1987.5	0.0770	mg/L	0.00083	3.0539	mg/kg	0.03283	1.07%
Copper,7440-50-8†	20439.5	0.1237	mg/L	0.00037	4.9079	mg/kg	0.01477	0.30%
Iron,7439-89-6†	170032.7	166.83	mg/L	0.364	6620.2	mg/kg	14.43	0.22%
Lead,7439-92-1†	1120.2	0.1596	mg/L	0.00192	6.3327	mg/kg	0.07617	1.20%
Lithium,7439-93-2†	16263.6	0.1899	mg/L	0.00111	7.5362	mg/kg	0.04399	0.58%
Magnesium,7439-95-4†	38786.4	131.19	mg/L	1.341	5206.0	mg/kg	53.21	1.02%
Manganese,7439-96-5†	3511156.6	7.7784	mg/L	0.07218	308.67	mg/kg	2.864	0.93%
Molybdenum,7439-98-7†	-30.6	-0.0017	mg/L	0.00073	-0.0656	mg/kg	0.02878	43.89%

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Nickel,7440-02-0†	6152.6	0.1802	mg/L	0.00177	7.1520	mg/kg	0.07014	0.98%
Potassium,7440-09-7†	110330.5	49.923	mg/L	0.2404	1981.1	mg/kg	9.54	0.48%
Selenium,7782-49-2†	-98.3	-0.0239	mg/L	0.00641	-0.9503	mg/kg	0.25455	26.79%
Silicon,7440-21-3†	7762.1	26.333	mg/L	0.2326	1044.9	mg/kg	9.23	0.88%
Silver,7440-22-4†	-10429.1	-0.0403	mg/L	0.00080	-1.6008	mg/kg	0.03177	1.98%
Sodium,7440-23-5†	519345.6	149.50	mg/L	0.329	5932.7	mg/kg	13.07	0.22%
Strontium,7440-24-6†	280811.6	0.9830	mg/L	0.00255	39.006	mg/kg	0.1011	0.26%
Thallium,7440-28-0†	-64.5	-0.0297	mg/L	0.00429	-1.1776	mg/kg	0.17010	14.45%
Tin,7440-31-5†	-30.0	-0.0065	mg/L	0.00251	-0.2593	mg/kg	0.09958	38.40%
Titanium,7440-32-6†	205516.6	0.4381	mg/L	0.00372	17.385	mg/kg	0.1477	0.85%
Vanadium,7440-62-2†	25294.4	0.2405	mg/L	0.00081	9.5429	mg/kg	0.03230	0.34%
Zinc,7440-66-6†	38359.0	0.5735	mg/L	0.00158	22.758	mg/kg	0.0625	0.27%
Zirconium,7440-67-7†	24944.9	0.0748	mg/L	0.00035	2.9672	mg/kg	0.01403	0.47%

Sequence No.: 45
Sample ID: 398372
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 50
Date Collected: 8/9/2006 2:29:51 PM
Data Type: Reprocessed on 8/10/2006 8:25:24 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 398372

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3393094.0	117.29	%	1.089				0.93%
Yttrium,7440-65-5A	1831577.4	115.79	%	1.126				0.97%
Yttrium,7440-65-5R	110006.4	120.16	%	0.792				0.66%
Ar 420.067 R	1850582.4	109.52	%	0.305				0.28%
Ar 363.268 A	49237.9	98.324	%	0.3574				0.36%
Aluminum,7429-90-5†	11.8	0.0410	mg/L	0.01372	1.6398	mg/kg	0.54889	33.47%
Antimony,7440-36-0†	3.4	0.0021	mg/L	0.00578	0.0836	mg/kg	0.23115	276.50%
Arsenic,7440-38-2†	5.0	0.0049	mg/L	0.00170	0.1949	mg/kg	0.06788	34.83%
Barium,7440-39-3†	31.4	0.0003	mg/L	0.00006	0.0138	mg/kg	0.00250	18.16%
Beryllium,7440-41-7†	-255.3	-0.0001	mg/L	0.00002	-0.0038	mg/kg	0.00094	25.11%
Boron,7440-42-8†	103.7	0.0039	mg/L	0.00227	0.1557	mg/kg	0.09088	58.35%
Cadmium,7440-43-9†	10.2	0.0001	mg/L	0.00007	0.0042	mg/kg	0.00288	69.10%
Calcium,7440-70-2†	311.6	0.1544	mg/L	0.00496	6.1753	mg/kg	0.19851	3.21%
Chromium,7440-47-3†	8.2	0.0001	mg/L	0.00030	0.0034	mg/kg	0.01214	355.77%
Cobalt,7440-48-4†	6.3	0.0002	mg/L	0.00011	0.0100	mg/kg	0.00421	42.32%
Copper,7440-50-8†	-120.0	-0.0007	mg/L	0.00028	-0.0283	mg/kg	0.01129	39.88%
Iron,7439-89-6†	14.4	0.0141	mg/L	0.00170	0.5660	mg/kg	0.06803	12.02%
Lead,7439-92-1†	-10.8	-0.0012	mg/L	0.00126	-0.0470	mg/kg	0.05044	107.26%
Lithium,7439-93-2†	-3.1	0.0000	mg/L	0.00126	-0.0015	mg/kg	0.05022	>999.9%
Magnesium,7439-95-4†	-3.7	-0.0126	mg/L	0.02247	-0.5037	mg/kg	0.89893	178.45%
Manganese,7439-96-5†	161.3	0.0004	mg/L	0.00001	0.0143	mg/kg	0.00029	2.04%
Molybdenum,7439-98-7†	8.2	0.0006	mg/L	0.00020	0.0256	mg/kg	0.00803	31.39%
Nickel,7440-02-0†	-33.1	-0.0010	mg/L	0.00023	-0.0392	mg/kg	0.00926	23.64%
Potassium,7440-09-7†	400.0	0.1814	mg/L	0.02291	7.2549	mg/kg	0.91626	12.63%
Selenium,7782-49-2†	-3.3	-0.0028	mg/L	0.00471	-0.1137	mg/kg	0.18852	165.81%
Silicon,7440-21-3†	-0.7	-0.0022	mg/L	0.02938	-0.0897	mg/kg	1.17501	>999.9%
Silver,7440-22-4†	21.6	0.0001	mg/L	0.00022	0.0039	mg/kg	0.00894	229.54%
Sodium,7440-23-5†	-313.0	-0.0905	mg/L	0.02035	-3.6183	mg/kg	0.81382	22.49%
Strontium,7440-24-6†	-88.2	-0.0003	mg/L	0.00009	-0.0123	mg/kg	0.00362	29.40%
Thallium,7440-28-0†	-3.0	-0.0017	mg/L	0.00076	-0.0670	mg/kg	0.03023	45.11%
Tin,7440-31-5†	44.9	0.0106	mg/L	0.00107	0.4258	mg/kg	0.04296	10.09%
Titanium,7440-32-6†	2.6	0.0000	mg/L	0.00005	0.0002	mg/kg	0.00187	829.16%
Vanadium,7440-62-2†	87.5	0.0008	mg/L	0.00046	0.0333	mg/kg	0.01826	54.79%
Zinc,7440-66-6†	390.4	0.0058	mg/L	0.00035	0.2307	mg/kg	0.01407	6.10%
Zirconium,7440-67-7†	39.5	0.0001	mg/L	0.00038	0.0048	mg/kg	0.01525	315.23%

Sequence No.: 46
Sample ID: 398373
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 51
Date Collected: 8/9/2006 2:37:06 PM
Data Type: Reprocessed on 8/10/2006 8:25:27 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 398373

001554

168015

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3290648.3	113.74	%	0.787				0.69%
Yttrium,7440-65-5A	1756822.7	111.07	%	0.729				0.66%
Yttrium,7440-65-5R	106363.7	116.18	%	0.153				0.13%
Ar 420.067 R	1838083.8	108.78	%	0.176				0.16%
Ar 363.268 A	49226.9	98.302	%	0.2727				0.28%
Aluminum,7429-90-5†	1471.7	5.1355	mg/L	0.01144	205.42	mg/kg	0.458	0.22%
Antimony,7440-36-0†	881.4	0.5546	mg/L	0.00100	22.186	mg/kg	0.0400	0.18%
Arsenic,7440-38-2†	566.8	0.5575	mg/L	0.00492	22.301	mg/kg	0.1968	0.88%
Barium,7440-39-3†	48959.2	0.5369	mg/L	0.00434	21.475	mg/kg	0.1735	0.81%
Beryllium,7440-41-7†	1453423.9	0.5358	mg/L	0.00290	21.431	mg/kg	0.1160	0.54%
Boron,7440-42-8†	70993.2	2.6708	mg/L	0.02201	106.83	mg/kg	0.881	0.82%
Cadmium,7440-43-9†	54486.3	0.5530	mg/L	0.00555	22.119	mg/kg	0.2220	1.00%
Calcium,7440-70-2†	11494.7	5.7014	mg/L	0.02123	228.06	mg/kg	0.849	0.37%
Chromium,7440-47-3†	50673.4	0.5428	mg/L	0.00536	21.712	mg/kg	0.2144	0.99%
Cobalt,7440-48-4†	14403.7	0.5629	mg/L	0.00423	22.516	mg/kg	0.1693	0.75%
Copper,7440-50-8†	89811.6	0.5316	mg/L	0.00529	21.266	mg/kg	0.2118	1.00%
Iron,7439-89-6†	5440.7	5.3395	mg/L	0.01850	213.58	mg/kg	0.740	0.35%
Lead,7439-92-1†	5011.3	0.5492	mg/L	0.00320	21.968	mg/kg	0.1281	0.58%
Lithium,7439-93-2†	44916.4	0.5323	mg/L	0.00414	21.291	mg/kg	0.1658	0.78%
Magnesium,7439-95-4†	1672.6	5.6580	mg/L	0.01190	226.32	mg/kg	0.476	0.21%
Manganese,7439-96-5†	242342.1	0.5370	mg/L	0.00533	21.482	mg/kg	0.2132	0.99%
Molybdenum,7439-98-7†	6905.5	0.5397	mg/L	0.00202	21.587	mg/kg	0.0810	0.38%
Nickel,7440-02-0†	19334.5	0.5714	mg/L	0.00842	22.856	mg/kg	0.3368	1.47%
Potassium,7440-09-7†	23538.5	10.669	mg/L	0.0513	426.75	mg/kg	2.050	0.48%
Selenium,7782-49-2†	645.3	0.5560	mg/L	0.00183	22.238	mg/kg	0.0731	0.33%
Silicon,7440-21-3†	90.3	0.3058	mg/L	0.01714	12.231	mg/kg	0.6854	5.60%
Silver,7440-22-4†	107504.4	0.5104	mg/L	0.00461	20.416	mg/kg	0.1845	0.90%
Sodium,7440-23-5†	75108.9	21.650	mg/L	0.1869	866.01	mg/kg	7.476	0.86%
Strontium,7440-24-6†	156381.6	0.5470	mg/L	0.00135	21.881	mg/kg	0.0540	0.25%
Thallium,7440-28-0†	962.0	0.5490	mg/L	0.00325	21.960	mg/kg	0.1300	0.59%
Tin,7440-31-5†	2477.6	0.5871	mg/L	0.00366	23.484	mg/kg	0.1464	0.62%
Titanium,7440-32-6†	251215.4	0.5357	mg/L	0.00277	21.429	mg/kg	0.1108	0.52%
Vanadium,7440-62-2†	57292.7	0.5455	mg/L	0.00545	21.821	mg/kg	0.2179	1.00%
Zinc,7440-66-6†	36647.8	0.5426	mg/L	0.00544	21.704	mg/kg	0.2175	1.00%
Zirconium,7440-67-7†	1338.9	0.0052	mg/L	0.00059	0.2065	mg/kg	0.02342	11.34%

Sequence No.: 47
Sample ID: 20608045206
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 52
Date Collected: 8/9/2006 2:44:22 PM
Data Type: Reprocessed on 8/10/2006 8:25:29 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045206

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3030944.2	104.77	%	1.634				1.56%
Yttrium,7440-65-5A	1714285.8	108.38	%	1.746				1.61%
Yttrium,7440-65-5R	109649.9	119.77	%	1.921				1.60%
Ar 420.067 R	1746929.2	103.39	%	0.111				0.11%
Ar 363.268 A	44691.4	89.245	%	0.1979				0.22%
Aluminum,7429-90-5†	44960.0	156.74	mg/L	3.287	6269.7	mg/kg	131.47	2.10%
Antimony,7440-36-0†	-134.2	-0.0619	mg/L	0.00208	-2.4776	mg/kg	0.08303	3.35%
Arsenic,7440-38-2†	-116.8	-0.0467	mg/L	0.00443	-1.8694	mg/kg	0.17709	9.47%
Barium,7440-39-3†	362011.1	3.9762	mg/L	0.00362	159.05	mg/kg	0.145	0.09%
Beryllium,7440-41-7†	31545.1	0.0115	mg/L	0.00003	0.4588	mg/kg	0.00138	0.30%
Boron,7440-42-8†	5219.1	-0.1140	mg/L	0.00252	-4.5598	mg/kg	0.10082	2.21%
Cadmium,7440-43-9†	1369.2	0.0083	mg/L	0.00026	0.3325	mg/kg	0.01054	3.17%
Calcium,7440-70-2†	1511278.5	748.86	mg/L	8.260	29954	mg/kg	330.4	1.10%
Chromium,7440-47-3†	35771.4	0.3019	mg/L	0.00060	12.076	mg/kg	0.0241	0.20%
Cobalt,7440-48-4†	2974.1	0.1143	mg/L	0.00061	4.5736	mg/kg	0.02437	0.53%
Copper,7440-50-8†	99048.8	0.5886	mg/L	0.00021	23.546	mg/kg	0.0084	0.04%
Iron,7439-89-6†	364990.8	358.11	mg/L	2.001	14325	mg/kg	80.0	0.56%
Lead,7439-92-1†	9764.2	1.1488	mg/L	0.00396	45.951	mg/kg	0.1585	0.34%
Lithium,7439-93-2†	22659.3	0.2643	mg/L	0.00376	10.570	mg/kg	0.1503	1.42%
Magnesium,7439-95-4†	40546.4	137.10	mg/L	3.853	5483.8	mg/kg	154.11	2.81%
Manganese,7439-96-5†	3408822.3	7.5516	mg/L	0.00354	302.06	mg/kg	0.142	0.05%
Molybdenum,7439-98-7†	98.9	0.0093	mg/L	0.00050	0.3725	mg/kg	0.01996	5.36%

Nickel,7440-02-0†	11446.1	0.3353	mg/L	0.00201	13.412	mg/kg	0.0803	0.60%
Potassium,7440-09-7†	109254.4	49.370	mg/L	0.5257	1974.8	mg/kg	21.03	1.06%
Selenium,7782-49-2†	-236.4	-0.0902	mg/L	0.01441	-3.6078	mg/kg	0.57657	15.98%
Silicon,7440-21-3†	10844.1	36.798	mg/L	1.0146	1471.9	mg/kg	40.59	2.76%
Silver,7440-22-4†	-21324.0	-0.0799	mg/L	0.00055	-3.1949	mg/kg	0.02215	0.69%
Sodium,7440-23-5†	38744.3	10.436	mg/L	0.1546	417.46	mg/kg	6.185	1.48%
Strontium,7440-24-6†	493565.2	1.7276	mg/L	0.01576	69.106	mg/kg	0.6306	0.91%
Thallium,7440-28-0†	-67.8	-0.0269	mg/L	0.00379	-1.0741	mg/kg	0.15176	14.13%
Tin,7440-31-5†	2.2	0.0020	mg/L	0.00123	0.0813	mg/kg	0.04934	60.66%
Titanium,7440-32-6†	246526.2	0.5253	mg/L	0.00067	21.012	mg/kg	0.0268	0.13%
Vanadium,7440-62-2†	39324.1	0.3745	mg/L	0.00021	14.978	mg/kg	0.0083	0.06%
Zinc,7440-66-6†	379637.6	5.6186	mg/L	0.01067	224.75	mg/kg	0.427	0.19%
Zirconium,7440-67-7†	33896.6	0.0993	mg/L	0.00015	3.9707	mg/kg	0.00606	0.15%

Sequence No.: 48
Sample ID: 20608045213
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 53
Date Collected: 8/9/2006 2:50:33 PM
Data Type: Reprocessed on 8/10/2006 8:25:31 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045213

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3080557.1	106.48	%	0.325				0.30%
Yttrium,7440-65-5A	1746173.5	110.39	%	0.269				0.24%
Yttrium,7440-65-5R	110681.6	120.90	%	1.776				1.47%
Ar 420.067 R	1764108.8	104.40	%	0.141				0.13%
Ar 363.268 A	45372.6	90.606	%	0.0965				0.11%
Aluminum,7429-90-5†	57198.7	199.42	mg/L	2.503	7976.7	mg/kg	100.12	1.26%
Antimony,7440-36-0†	51.2	0.0585	mg/L	0.00308	2.3402	mg/kg	0.12308	5.26%
Arsenic,7440-38-2†	448.4	0.5110	mg/L	0.00303	20.438	mg/kg	0.1211	0.59%
Barium,7440-39-3†	321560.5	3.5307	mg/L	0.01147	141.23	mg/kg	0.459	0.32%
Beryllium,7440-41-7†	1532379.5	0.5646	mg/L	0.00160	22.585	mg/kg	0.0641	0.28%
Boron,7440-42-8†	60091.8	1.9925	mg/L	0.00275	79.700	mg/kg	0.1099	0.14%
Cadmium,7440-43-9†	54644.5	0.5506	mg/L	0.00193	22.023	mg/kg	0.0771	0.35%
Calcium,7440-70-2†	834373.3	413.49	mg/L	2.992	16539	mg/kg	119.7	0.72%
Chromium,7440-47-3†	78438.7	0.7713	mg/L	0.00373	30.853	mg/kg	0.1492	0.48%
Cobalt,7440-48-4†	16611.2	0.6477	mg/L	0.00535	25.907	mg/kg	0.2141	0.83%
Copper,7440-50-8†	156608.6	0.9295	mg/L	0.00145	37.181	mg/kg	0.0582	0.16%
Iron,7439-89-6†	316228.2	310.27	mg/L	3.136	12411	mg/kg	125.4	1.01%
Lead,7439-92-1†	11231.5	1.2962	mg/L	0.00906	51.846	mg/kg	0.3626	0.70%
Lithium,7439-93-2†	68736.2	0.8113	mg/L	0.00355	32.453	mg/kg	0.1420	0.44%
Magnesium,7439-95-4†	39811.8	134.61	mg/L	2.150	5384.5	mg/kg	85.98	1.60%
Manganese,7439-96-5†	2695909.8	5.9724	mg/L	0.01679	238.90	mg/kg	0.672	0.28%
Molybdenum,7439-98-7†	4868.9	0.3808	mg/L	0.00100	15.232	mg/kg	0.0401	0.26%
Nickel,7440-02-0†	28143.4	0.8296	mg/L	0.00413	33.185	mg/kg	0.1654	0.50%
Potassium,7440-09-7†	151395.8	68.526	mg/L	0.3997	2741.1	mg/kg	15.99	0.58%
Selenium,7782-49-2†	419.8	0.4715	mg/L	0.01491	18.861	mg/kg	0.5966	3.16%
Silicon,7440-21-3†	10741.6	36.447	mg/L	0.5000	1457.9	mg/kg	20.00	1.37%
Silver,7440-22-4†	95671.2	0.4726	mg/L	0.00081	18.903	mg/kg	0.0323	0.17%
Sodium,7440-23-5†	112378.2	31.837	mg/L	0.1839	1273.5	mg/kg	7.36	0.58%
Strontium,7440-24-6†	472082.7	1.6520	mg/L	0.01229	66.080	mg/kg	0.4915	0.74%
Thallium,7440-28-0†	862.7	0.5031	mg/L	0.00661	20.123	mg/kg	0.2645	1.31%
Tin,7440-31-5†	2186.3	0.5144	mg/L	0.00312	20.578	mg/kg	0.1249	0.61%
Titanium,7440-32-6†	385832.4	0.8224	mg/L	0.00238	32.898	mg/kg	0.0953	0.29%
Vanadium,7440-62-2†	92553.8	0.8814	mg/L	0.00209	35.255	mg/kg	0.0835	0.24%
Zinc,7440-66-6†	291343.7	4.3128	mg/L	0.00986	172.51	mg/kg	0.394	0.23%
Zirconium,7440-67-7†	34284.1	0.1018	mg/L	0.00076	4.0736	mg/kg	0.03049	0.75%

Sequence No.: 49
Sample ID: 20608045214
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 54
Date Collected: 8/9/2006 2:56:47 PM
Data Type: Reprocessed on 8/10/2006 8:25:32 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045214

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3034087.3	104.88	%	0.239				0.23%
Yttrium,7440-65-5A	1718252.2	108.63	%	0.337				0.31%
Yttrium,7440-65-5R	109950.0	120.10	%	1.140				0.95%
Ar 420.067 R	1769865.5	104.74	%	0.248				0.24%
Ar 363.268 A	45126.1	90.113	%	0.1928				0.21%
Aluminum,7429-90-5†	55486.0	193.45	mg/L	2.510	7737.9	mg/kg	100.39	1.30%
Antimony,7440-36-0†	64.0	0.0672	mg/L	0.00931	2.6862	mg/kg	0.37240	13.86%
Arsenic,7440-38-2†	466.3	0.5241	mg/L	0.00221	20.965	mg/kg	0.0885	0.42%
Barium,7440-39-3†	325388.4	3.5729	mg/L	0.01344	142.92	mg/kg	0.538	0.38%
Beryllium,7440-41-7†	1548093.4	0.5706	mg/L	0.00145	22.822	mg/kg	0.0579	0.25%
Boron,7440-42-8†	63357.9	2.1174	mg/L	0.01765	84.696	mg/kg	0.7060	0.83%
Cadmium,7440-43-9†	54884.4	0.5528	mg/L	0.00241	22.113	mg/kg	0.0963	0.44%
Calcium,7440-70-2†	1095993.6	543.10	mg/L	1.364	21724	mg/kg	54.6	0.25%
Chromium,7440-47-3†	77319.8	0.7594	mg/L	0.00329	30.377	mg/kg	0.1316	0.43%
Cobalt,7440-48-4†	16802.5	0.6552	mg/L	0.00276	26.207	mg/kg	0.1106	0.42%
Copper,7440-50-8†	155064.7	0.9202	mg/L	0.00433	36.808	mg/kg	0.1730	0.47%
Iron,7439-89-6†	315506.4	309.56	mg/L	0.564	12383	mg/kg	22.5	0.18%
Lead,7439-92-1†	10753.4	1.2444	mg/L	0.00514	49.777	mg/kg	0.2055	0.41%
Lithium,7439-93-2†	69036.8	0.8147	mg/L	0.00219	32.588	mg/kg	0.0876	0.27%
Magnesium,7439-95-4†	38741.1	130.99	mg/L	1.483	5239.8	mg/kg	59.32	1.13%
Manganese,7439-96-5†	2758633.3	6.1114	mg/L	0.02244	244.46	mg/kg	0.898	0.37%
Molybdenum,7439-98-7†	5157.8	0.4035	mg/L	0.00098	16.139	mg/kg	0.0392	0.24%
Nickel,7440-02-0†	28014.8	0.8256	mg/L	0.00815	33.026	mg/kg	0.3259	0.99%
Potassium,7440-09-7†	152912.8	69.199	mg/L	0.2820	2768.0	mg/kg	11.28	0.41%
Selenium,7782-49-2†	441.3	0.4875	mg/L	0.00853	19.500	mg/kg	0.3410	1.75%
Silicon,7440-21-3†	10069.8	34.168	mg/L	0.1931	1366.7	mg/kg	7.73	0.57%
Silver,7440-22-4†	98011.7	0.4836	mg/L	0.00185	19.345	mg/kg	0.0742	0.38%
Sodium,7440-23-5†	119483.7	33.851	mg/L	0.1477	1354.1	mg/kg	5.91	0.44%
Strontium,7440-24-6†	562308.1	1.9678	mg/L	0.00835	78.711	mg/kg	0.3339	0.42%
Thallium,7440-28-0†	873.5	0.5087	mg/L	0.00724	20.347	mg/kg	0.2896	1.42%
Tin,7440-31-5†	2268.1	0.5356	mg/L	0.00613	21.426	mg/kg	0.2454	1.15%
Titanium,7440-32-6†	383302.6	0.8170	mg/L	0.00330	32.682	mg/kg	0.1319	0.40%
Vanadium,7440-62-2†	93899.3	0.8942	mg/L	0.00572	35.767	mg/kg	0.2286	0.64%
Zinc,7440-66-6†	304791.5	4.5124	mg/L	0.01742	180.50	mg/kg	0.697	0.39%
Zirconium,7440-67-7†	33982.5	0.1009	mg/L	0.00052	4.0367	mg/kg	0.02074	0.51%

Sequence No.: 50
Sample ID: 398762
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 55
Date Collected: 8/9/2006 3:03:01 PM
Data Type: Reprocessed on 8/10/2006 8:25:34 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 398762

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3019683.2	104.38	%	1.122				1.08%
Yttrium,7440-65-5A	1711547.5	108.21	%	1.009				0.93%
Yttrium,7440-65-5R	109414.0	119.51	%	0.480				0.40%
Ar 420.067 R	1748427.9	103.47	%	0.210				0.20%
Ar 363.268 A	44309.4	88.482	%	0.1099				0.12%
Aluminum,7429-90-5†	46451.6	161.95	mg/L	1.317	6477.9	mg/kg	52.67	0.81%
Antimony,7440-36-0†	743.5	0.4899	mg/L	0.00775	19.597	mg/kg	0.3101	1.58%
Arsenic,7440-38-2†	457.6	0.5165	mg/L	0.00206	20.661	mg/kg	0.0823	0.40%
Barium,7440-39-3†	409689.4	4.4990	mg/L	0.03378	179.96	mg/kg	1.351	0.75%
Beryllium,7440-41-7†	1502852.7	0.5539	mg/L	0.00456	22.154	mg/kg	0.1823	0.82%
Boron,7440-42-8†	80597.8	2.7293	mg/L	0.03257	109.17	mg/kg	1.303	1.19%
Cadmium,7440-43-9†	53042.3	0.5328	mg/L	0.00373	21.312	mg/kg	0.1492	0.70%
Calcium,7440-70-2†	1522123.6	754.24	mg/L	10.574	30170	mg/kg	423.0	1.40%
Chromium,7440-47-3†	85074.9	0.8320	mg/L	0.00733	33.282	mg/kg	0.2933	0.88%
Cobalt,7440-48-4†	16338.5	0.6366	mg/L	0.00914	25.463	mg/kg	0.3656	1.44%
Copper,7440-50-8†	189918.5	1.1265	mg/L	0.00997	45.059	mg/kg	0.3988	0.89%
Iron,7439-89-6†	362178.4	355.35	mg/L	3.275	14214	mg/kg	131.0	0.92%
Lead,7439-92-1†	14540.2	1.6704	mg/L	0.02481	66.818	mg/kg	0.9924	1.49%
Lithium,7439-93-2†	70811.8	0.8349	mg/L	0.01127	33.397	mg/kg	0.4507	1.35%
Magnesium,7439-95-4†	41943.9	141.82	mg/L	1.081	5673.0	mg/kg	43.25	0.76%
Manganese,7439-96-5†	3648159.6	8.0820	mg/L	0.06255	323.28	mg/kg	2.502	0.77%
Molybdenum,7439-98-7†	6885.6	0.5396	mg/L	0.00917	21.586	mg/kg	0.3668	1.70%

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Nickel,7440-02-0†	29523.0	0.8696	mg/L	0.00642	34.784	mg/kg	0.2566	0.74%
Potassium,7440-09-7†	137763.6	62.294	mg/L	1.0523	2491.8	mg/kg	42.09	1.69%
Selenium,7782-49-2†	435.1	0.4862	mg/L	0.00696	19.449	mg/kg	0.2785	1.43%
Silicon,7440-21-3†	10915.8	37.040	mg/L	0.3375	1481.6	mg/kg	13.50	0.91%
Silver,7440-22-4†	91274.2	0.4542	mg/L	0.00434	18.169	mg/kg	0.1734	0.95%
Sodium,7440-23-5†	122248.2	34.518	mg/L	0.4421	1380.7	mg/kg	17.68	1.28%
Strontium,7440-24-6†	653641.8	2.2876	mg/L	0.03090	91.504	mg/kg	1.2358	1.35%
Thallium,7440-28-0†	822.5	0.4812	mg/L	0.01195	19.246	mg/kg	0.4782	2.48%
Tin,7440-31-5†	2331.6	0.5541	mg/L	0.00858	22.164	mg/kg	0.3433	1.55%
Titanium,7440-32-6†	487519.6	1.0392	mg/L	0.00842	41.570	mg/kg	0.3368	0.81%
Vanadium,7440-62-2†	97945.9	0.9326	mg/L	0.00706	37.305	mg/kg	0.2825	0.76%
Zinc,7440-66-6†	415692.2	6.1523	mg/L	0.05112	246.09	mg/kg	2.045	0.83%
Zirconium,7440-67-7†	34455.5	0.1021	mg/L	0.00087	4.0849	mg/kg	0.03490	0.85%

Sequence No.: 51
Sample ID: 398763
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Autosampler Location: 56
Date Collected: 8/9/2006 3:09:05 PM
Data Type: Reprocessed on 8/10/2006 8:25:35 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 398763

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3173411.1	109.69	%	0.560				0.51%
Yttrium,7440-65-5A	1718453.2	108.64	%	0.653				0.60%
Yttrium,7440-65-5R	106849.6	116.71	%	0.587				0.50%
Ar 420.067 R	1796047.1	106.29	%	0.191				0.18%
Ar 363.268 A	47147.3	94.149	%	0.3775				0.40%
Aluminum,7429-90-5†	8925.2	31.116	mg/L	0.2424	6223.1	mg/kg	48.49	0.78%
Antimony,7440-36-0†	-29.8	-0.0141	mg/L	0.00123	-2.8281	mg/kg	0.24547	8.68%
Arsenic,7440-38-2†	-7.1	0.0068	mg/L	0.00473	1.3558	mg/kg	0.94552	69.74%
Barium,7440-39-3†	74095.2	0.8138	mg/L	0.01229	162.77	mg/kg	2.458	1.51%
Beryllium,7440-41-7†	5975.6	0.0022	mg/L	0.00004	0.4348	mg/kg	0.00844	1.94%
Boron,7440-42-8†	2292.6	0.0235	mg/L	0.00424	4.6979	mg/kg	0.84790	18.05%
Cadmium,7440-43-9†	279.6	0.0017	mg/L	0.00008	0.3393	mg/kg	0.01696	5.00%
Calcium,7440-70-2†	307987.1	152.61	mg/L	1.009	30522	mg/kg	201.7	0.66%
Chromium,7440-47-3†	7394.9	0.0628	mg/L	0.00100	12.556	mg/kg	0.2010	1.60%
Cobalt,7440-48-4†	619.8	0.0238	mg/L	0.00032	4.7691	mg/kg	0.06365	1.33%
Copper,7440-50-8†	19545.3	0.1162	mg/L	0.00172	23.239	mg/kg	0.3442	1.48%
Iron,7439-89-6†	73956.1	72.562	mg/L	0.4575	14512	mg/kg	91.5	0.63%
Lead,7439-92-1†	2074.0	0.2432	mg/L	0.00199	48.649	mg/kg	0.3979	0.82%
Lithium,7439-93-2†	4789.6	0.0559	mg/L	0.00157	11.178	mg/kg	0.3142	2.81%
Magnesium,7439-95-4†	8315.7	28.117	mg/L	0.1159	5623.4	mg/kg	23.19	0.41%
Manganese,7439-96-5†	714551.9	1.5830	mg/L	0.01060	316.59	mg/kg	2.121	0.67%
Molybdenum,7439-98-7†	35.3	0.0031	mg/L	0.00108	0.6198	mg/kg	0.21671	34.96%
Nickel,7440-02-0†	2479.4	0.0727	mg/L	0.00131	14.533	mg/kg	0.2619	1.80%
Potassium,7440-09-7†	20646.3	9.3270	mg/L	0.04206	1865.4	mg/kg	8.41	0.45%
Selenium,7782-49-2†	-42.9	-0.0141	mg/L	0.00282	-2.8167	mg/kg	0.56472	20.05%
Silicon,7440-21-3†	2118.1	7.1876	mg/L	0.03701	1437.5	mg/kg	7.40	0.51%
Silver,7440-22-4†	-4045.0	-0.0149	mg/L	0.00034	-2.9759	mg/kg	0.06721	2.26%
Sodium,7440-23-5†	6915.4	1.8434	mg/L	0.01364	368.68	mg/kg	2.727	0.74%
Strontium,7440-24-6†	97798.0	0.3423	mg/L	0.00230	68.467	mg/kg	0.4592	0.67%
Thallium,7440-28-0†	-17.1	-0.0074	mg/L	0.00335	-1.4754	mg/kg	0.67034	45.43%
Tin,7440-31-5†	-30.6	-0.0069	mg/L	0.00105	-1.3799	mg/kg	0.21100	15.29%
Titanium,7440-32-6†	49849.6	0.1062	mg/L	0.00088	21.244	mg/kg	0.1766	0.83%
Vanadium,7440-62-2†	8127.3	0.0774	mg/L	0.00060	15.478	mg/kg	0.1198	0.77%
Zinc,7440-66-6†	75301.6	1.1145	mg/L	0.01805	222.91	mg/kg	3.610	1.62%
Zirconium,7440-67-7†	6746.8	0.0197	mg/L	0.00038	3.9483	mg/kg	0.07500	1.90%

Sequence No.: 52
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 3:16:03 PM
Data Type: Reprocessed on 8/10/2006 8:25:37 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

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Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3277513.8	113.29	%	0.802				0.71%
Yttrium,7440-65-5A	1750996.6	110.70	%	0.790				0.71%
Yttrium,7440-65-5R	108662.5	118.69	%	0.357				0.30%
Ar 420.067 R	1837693.0	108.76	%	0.219				0.20%
Ar 363.268 A	48466.4	96.784	%	0.4847				0.50%
Aluminum,7429-90-5†	1443.0	5.0354	mg/L	0.06846	5.0354	mg/L	0.06846	1.36%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.71%								
Antimony,7440-36-0†	870.1	0.5475	mg/L	0.00280	0.5475	mg/L	0.00280	0.51%
QC value within limits for Antimony,7440-36-0 Recovery = 109.51%								
Arsenic,7440-38-2†	558.5	0.5494	mg/L	0.00835	0.5494	mg/L	0.00835	1.52%
QC value within limits for Arsenic,7440-38-2 Recovery = 109.88%								
Barium,7440-39-3†	48621.7	0.5332	mg/L	0.00604	0.5332	mg/L	0.00604	1.13%
QC value within limits for Barium,7440-39-3 Recovery = 106.64%								
Beryllium,7440-41-7†	1458300.6	0.5376	mg/L	0.00327	0.5376	mg/L	0.00327	0.61%
QC value within limits for Beryllium,7440-41-7 Recovery = 107.51%								
Boron,7440-42-8†	73223.4	2.7548	mg/L	0.03064	2.7548	mg/L	0.03064	1.11%
QC value within limits for Boron,7440-42-8 Recovery = 110.19%								
Cadmium,7440-43-9†	54573.6	0.5539	mg/L	0.00456	0.5539	mg/L	0.00456	0.82%
QC value greater than the upper limit for Cadmium,7440-43-9 Recovery = 110.78%								
Calcium,7440-70-2†	11214.0	5.5623	mg/L	0.08425	5.5623	mg/L	0.08425	1.51%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 111.25%								
Chromium,7440-47-3†	50171.7	0.5374	mg/L	0.00588	0.5374	mg/L	0.00588	1.09%
QC value within limits for Chromium,7440-47-3 Recovery = 107.48%								
Cobalt,7440-48-4†	14318.6	0.5596	mg/L	0.00564	0.5596	mg/L	0.00564	1.01%
QC value greater than the upper limit for Cobalt,7440-48-4 Recovery = 111.92%								
Copper,7440-50-8†	88271.4	0.5225	mg/L	0.00518	0.5225	mg/L	0.00518	0.99%
QC value within limits for Copper,7440-50-8 Recovery = 104.51%								
Iron,7439-89-6†	5428.9	5.3279	mg/L	0.08717	5.3279	mg/L	0.08717	1.64%
QC value within limits for Iron,7439-89-6 Recovery = 106.56%								
Lead,7439-92-1†	4950.0	0.5425	mg/L	0.00692	0.5425	mg/L	0.00692	1.27%
QC value within limits for Lead,7439-92-1 Recovery = 108.50%								
Lithium,7439-93-2†	45642.7	0.5409	mg/L	0.00824	0.5409	mg/L	0.00824	1.52%
QC value within limits for Lithium,7439-93-2 Recovery = 108.18%								
Magnesium,7439-95-4†	1666.7	5.6380	mg/L	0.06233	5.6380	mg/L	0.06233	1.11%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 112.76%								
Manganese,7439-96-5†	240920.7	0.5339	mg/L	0.00554	0.5339	mg/L	0.00554	1.04%
QC value within limits for Manganese,7439-96-5 Recovery = 106.78%								
Molybdenum,7439-98-7†	6752.5	0.5277	mg/L	0.00507	0.5277	mg/L	0.00507	0.96%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.54%								
Nickel,7440-02-0†	19246.4	0.5688	mg/L	0.00580	0.5688	mg/L	0.00580	1.02%
QC value greater than the upper limit for Nickel,7440-02-0 Recovery = 113.76%								
Potassium,7440-09-7†	23661.5	10.724	mg/L	0.1728	10.724	mg/L	0.1728	1.61%
QC value within limits for Potassium,7440-09-7 Recovery = 107.24%								
Selenium,7782-49-2†	636.7	0.5486	mg/L	0.00351	0.5486	mg/L	0.00351	0.64%
QC value within limits for Selenium,7782-49-2 Recovery = 109.71%								
Silicon,7440-21-3†	159.7	0.5411	mg/L	0.02798	0.5411	mg/L	0.02798	5.17%
QC value within limits for Silicon,7440-21-3 Recovery = 108.23%								
Silver,7440-22-4†	107906.5	0.5123	mg/L	0.00569	0.5123	mg/L	0.00569	1.11%
QC value within limits for Silver,7440-22-4 Recovery = 102.47%								
Sodium,7440-23-5†	75089.2	21.645	mg/L	0.3211	21.645	mg/L	0.3211	1.48%
QC value within limits for Sodium,7440-23-5 Recovery = 108.22%								
Strontium,7440-24-6†	157458.2	0.5508	mg/L	0.00387	0.5508	mg/L	0.00387	0.70%
QC value within limits for Strontium,7440-24-6 Recovery = 110.16%								
Thallium,7440-28-0†	951.8	0.5431	mg/L	0.00515	0.5431	mg/L	0.00515	0.95%
QC value within limits for Thallium,7440-28-0 Recovery = 108.63%								
Tin,7440-31-5†	2324.4	0.5508	mg/L	0.00649	0.5508	mg/L	0.00649	1.18%
QC value within limits for Tin,7440-31-5 Recovery = 110.16%								
Titanium,7440-32-6†	246677.8	0.5261	mg/L	0.00288	0.5261	mg/L	0.00288	0.55%
QC value within limits for Titanium,7440-32-6 Recovery = 105.21%								
Vanadium,7440-62-2†	57149.8	0.5442	mg/L	0.00457	0.5442	mg/L	0.00457	0.84%
QC value within limits for Vanadium,7440-62-2 Recovery = 108.83%								
Zinc,7440-66-6†	36846.2	0.5455	mg/L	0.00532	0.5455	mg/L	0.00532	0.98%
QC value within limits for Zinc,7440-66-6 Recovery = 109.11%								
Zirconium,7440-67-7†	168436.4	0.5173	mg/L	0.00567	0.5173	mg/L	0.00567	1.10%
QC value within limits for Zirconium,7440-67-7 Recovery = 103.47%								

QC Failed. Continue with analysis.

Sequence No.: 53 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 8/9/2006 3:34:16 PM**

001559

168020

Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Data Type: Reprocessed on 8/10/2006 8:25:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3348095.5	115.73	%	1.973				1.70%
Yttrium,7440-65-5A	1788406.9	113.06	%	1.922				1.70%
Yttrium,7440-65-5R	110635.7	120.85	%	0.268				0.22%
Ar 420.067 R	1847819.8	109.36	%	0.439				0.40%
Ar 363.268 A	48109.0	96.070	%	0.4090				0.43%
Aluminum,7429-90-5†	1407.3	4.9105	mg/L	0.09577	4.9105	mg/L	0.09577	1.95%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.21%								
Antimony,7440-36-0†	850.1	0.5349	mg/L	0.01342	0.5349	mg/L	0.01342	2.51%
QC value within limits for Antimony,7440-36-0 Recovery = 106.98%								
Arsenic,7440-38-2†	548.3	0.5393	mg/L	0.01714	0.5393	mg/L	0.01714	3.18%
QC value within limits for Arsenic,7440-38-2 Recovery = 107.87%								
Barium,7440-39-3†	47172.1	0.5173	mg/L	0.00911	0.5173	mg/L	0.00911	1.76%
QC value within limits for Barium,7440-39-3 Recovery = 103.46%								
Beryllium,7440-41-7†	1421110.1	0.5239	mg/L	0.00181	0.5239	mg/L	0.00181	0.34%
QC value within limits for Beryllium,7440-41-7 Recovery = 104.77%								
Boron,7440-42-8†	70937.9	2.6688	mg/L	0.05662	2.6688	mg/L	0.05662	2.12%
QC value within limits for Boron,7440-42-8 Recovery = 106.75%								
Cadmium,7440-43-9†	53053.8	0.5385	mg/L	0.01032	0.5385	mg/L	0.01032	1.92%
QC value within limits for Cadmium,7440-43-9 Recovery = 107.69%								
Calcium,7440-70-2†	11006.6	5.4594	mg/L	0.11643	5.4594	mg/L	0.11643	2.13%
QC value within limits for Calcium,7440-70-2 Recovery = 109.19%								
Chromium,7440-47-3†	48739.3	0.5221	mg/L	0.00850	0.5221	mg/L	0.00850	1.63%
QC value within limits for Chromium,7440-47-3 Recovery = 104.41%								
Cobalt,7440-48-4†	13965.9	0.5458	mg/L	0.00780	0.5458	mg/L	0.00780	1.43%
QC value within limits for Cobalt,7440-48-4 Recovery = 109.16%								
Copper,7440-50-8†	85592.6	0.5067	mg/L	0.00951	0.5067	mg/L	0.00951	1.88%
QC value within limits for Copper,7440-50-8 Recovery = 101.34%								
Iron,7439-89-6†	5274.5	5.1764	mg/L	0.09843	5.1764	mg/L	0.09843	1.90%
QC value within limits for Iron,7439-89-6 Recovery = 103.53%								
Lead,7439-92-1†	4848.0	0.5313	mg/L	0.01155	0.5313	mg/L	0.01155	2.17%
QC value within limits for Lead,7439-92-1 Recovery = 106.26%								
Lithium,7439-93-2†	45304.3	0.5369	mg/L	0.00722	0.5369	mg/L	0.00722	1.34%
QC value within limits for Lithium,7439-93-2 Recovery = 107.37%								
Magnesium,7439-95-4†	1639.2	5.5452	mg/L	0.13105	5.5452	mg/L	0.13105	2.36%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 110.90%								
Manganese,7439-96-5†	233916.2	0.5184	mg/L	0.00897	0.5184	mg/L	0.00897	1.73%
QC value within limits for Manganese,7439-96-5 Recovery = 103.67%								
Molybdenum,7439-98-7†	6622.1	0.5175	mg/L	0.01016	0.5175	mg/L	0.01016	1.96%
QC value within limits for Molybdenum,7439-98-7 Recovery = 103.51%								
Nickel,7440-02-0†	18691.3	0.5524	mg/L	0.01018	0.5524	mg/L	0.01018	1.84%
QC value within limits for Nickel,7440-02-0 Recovery = 110.48%								
Potassium,7440-09-7†	23321.1	10.570	mg/L	0.1428	10.570	mg/L	0.1428	1.35%
QC value within limits for Potassium,7440-09-7 Recovery = 105.70%								
Selenium,7782-49-2†	628.1	0.5411	mg/L	0.01250	0.5411	mg/L	0.01250	2.31%
QC value within limits for Selenium,7782-49-2 Recovery = 108.22%								
Silicon,7440-21-3†	149.8	0.5075	mg/L	0.02196	0.5075	mg/L	0.02196	4.33%
QC value within limits for Silicon,7440-21-3 Recovery = 101.50%								
Silver,7440-22-4†	104584.0	0.4965	mg/L	0.00876	0.4965	mg/L	0.00876	1.76%
QC value within limits for Silver,7440-22-4 Recovery = 99.31%								
Sodium,7440-23-5†	73803.7	21.275	mg/L	0.3485	21.275	mg/L	0.3485	1.64%
QC value within limits for Sodium,7440-23-5 Recovery = 106.37%								
Strontium,7440-24-6†	152536.6	0.5336	mg/L	0.00685	0.5336	mg/L	0.00685	1.28%
QC value within limits for Strontium,7440-24-6 Recovery = 106.72%								
Thallium,7440-28-0†	933.0	0.5324	mg/L	0.01408	0.5324	mg/L	0.01408	2.65%
QC value within limits for Thallium,7440-28-0 Recovery = 106.48%								
Tin,7440-31-5†	2293.5	0.5435	mg/L	0.01307	0.5435	mg/L	0.01307	2.40%
QC value within limits for Tin,7440-31-5 Recovery = 108.69%								
Titanium,7440-32-6†	239750.8	0.5113	mg/L	0.00297	0.5113	mg/L	0.00297	0.58%
QC value within limits for Titanium,7440-32-6 Recovery = 102.26%								
Vanadium,7440-62-2†	55551.8	0.5289	mg/L	0.00814	0.5289	mg/L	0.00814	1.54%
QC value within limits for Vanadium,7440-62-2 Recovery = 105.79%								
Zinc,7440-66-6†	35808.5	0.5302	mg/L	0.01002	0.5302	mg/L	0.01002	1.89%
QC value within limits for Zinc,7440-66-6 Recovery = 106.03%								

001560

Zirconium,7440-67-7† 164091.9 0.5040 mg/L 0.00833 0.5040 mg/L 0.00833 1.65%
QC value within limits for Zirconium,7440-67-7 Recovery = 100.80%
QC Failed. Continue with analysis.

Sequence No.: 54
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/9/2006 3:41:31 PM
Data Type: Reprocessed on 8/10/2006 8:25:45 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3336940.7	115.34	%	2.796				2.42%
Yttrium,7440-65-5A	1807044.3	114.24	%	2.676				2.34%
Yttrium,7440-65-5R	113512.3	123.99	%	1.355				1.09%
Ar 420.067 R	1845747.3	109.23	%	0.084				0.08%
Ar 363.268 A	48645.4	97.141	%	0.2643				0.27%
Aluminum,7429-90-5†	3.8	0.0131	mg/L	0.01033	0.0131	mg/L	0.01033	78.78%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-1.3	-0.0008	mg/L	0.00229	-0.0008	mg/L	0.00229	282.94%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	6.5	0.0064	mg/L	0.00584	0.0064	mg/L	0.00584	90.70%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	27.1	0.0003	mg/L	0.00020	0.0003	mg/L	0.00020	68.32%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-189.5	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	80.89%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1232.5	0.0464	mg/L	0.00568	0.0464	mg/L	0.00568	12.24%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-22.0	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	30.56%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-0.5	-0.0002	mg/L	0.00263	-0.0002	mg/L	0.00263	>999.9%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	8.8	0.0001	mg/L	0.00040	0.0001	mg/L	0.00040	421.93%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	6.9	0.0003	mg/L	0.00022	0.0003	mg/L	0.00022	80.72%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	15.6	0.0001	mg/L	0.00130	0.0001	mg/L	0.00130	>999.9%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	1.1	0.0011	mg/L	0.00490	0.0011	mg/L	0.00490	441.38%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-25.2	-0.0028	mg/L	0.00080	-0.0028	mg/L	0.00080	29.07%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	117.6	0.0014	mg/L	0.00116	0.0014	mg/L	0.00116	83.00%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-1.5	-0.0050	mg/L	0.03278	-0.0050	mg/L	0.03278	657.97%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	85.4	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.48%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	2.9	0.0002	mg/L	0.00060	0.0002	mg/L	0.00060	263.31%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-27.8	-0.0008	mg/L	0.00040	-0.0008	mg/L	0.00040	48.79%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	228.0	0.1034	mg/L	0.04400	0.1034	mg/L	0.04400	42.55%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-8.1	-0.0069	mg/L	0.00232	-0.0069	mg/L	0.00232	33.45%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-4.4	-0.0150	mg/L	0.01879	-0.0150	mg/L	0.01879	124.89%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	110.2	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	18.98%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-1068.7	-0.3087	mg/L	0.03016	-0.3087	mg/L	0.03016	9.77%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-5.8	0.0000	mg/L	0.00051	0.0000	mg/L	0.00051	>999.9%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	0.8	0.0004	mg/L	0.00361	0.0004	mg/L	0.00361	806.03%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	4.8	0.0011	mg/L	0.00119	0.0011	mg/L	0.00119	105.26%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6†	-183.7	-0.0004 mg/L	0.00055	-0.0004 mg/L	0.00055	139.82%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2†	218.9	0.0021 mg/L	0.00106	0.0021 mg/L	0.00106	51.04%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6†	-302.3	-0.0045 mg/L	0.00015	-0.0045 mg/L	0.00015	3.31%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7†	83.7	0.0003 mg/L	0.00038	0.0003 mg/L	0.00038	147.71%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 55
Sample ID: 397835
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 57
Date Collected: 8/9/2006 3:52:00 PM
Data Type: Reprocessed on 8/10/2006 8:25:47 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 397835

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3314972.0	114.59	%	1.345				1.17%
Yttrium,7440-65-5A	1787220.5	112.99	%	1.312				1.16%
Yttrium,7440-65-5R	110419.4	120.61	%	0.776				0.64%
Ar 420.067 R	1849449.2	109.45	%	0.381				0.35%
Ar 363.268 A	48647.9	97.146	%	0.4911				0.51%
Aluminum,7429-90-5†	10.4	0.0362	mg/L	0.01984	1.4465	mg/kg	0.79365	54.87%
Antimony,7440-36-0†	-3.9	-0.0024	mg/L	0.00523	-0.0973	mg/kg	0.20912	214.91%
Arsenic,7440-38-2†	3.7	0.0036	mg/L	0.00326	0.1437	mg/kg	0.13053	90.82%
Barium,7440-39-3†	288.8	0.0032	mg/L	0.00016	0.1268	mg/kg	0.00621	4.90%
Beryllium,7440-41-7†	-262.2	-0.0001	mg/L	0.00001	-0.0039	mg/kg	0.00053	13.77%
Boron,7440-42-8†	471.4	0.0177	mg/L	0.00238	0.7094	mg/kg	0.09530	13.43%
Cadmium,7440-43-9†	-8.1	-0.0001	mg/L	0.00005	-0.0033	mg/kg	0.00211	63.62%
Calcium,7440-70-2†	447.6	0.2218	mg/L	0.00191	8.8706	mg/kg	0.07638	0.86%
Chromium,7440-47-3†	-15.9	-0.0002	mg/L	0.00025	-0.0070	mg/kg	0.01005	142.81%
Cobalt,7440-48-4†	-0.9	0.0000	mg/L	0.00009	-0.0013	mg/kg	0.00375	283.25%
Copper,7440-50-8†	-26.3	-0.0002	mg/L	0.00057	-0.0062	mg/kg	0.02273	365.81%
Iron,7439-89-6†	26.5	0.0260	mg/L	0.00670	1.0382	mg/kg	0.26804	25.82%
Lead,7439-92-1†	-17.8	-0.0019	mg/L	0.00058	-0.0775	mg/kg	0.02324	29.99%
Lithium,7439-93-2†	34.2	0.0004	mg/L	0.00065	0.0162	mg/kg	0.02583	159.65%
Magnesium,7439-95-4†	-1.6	-0.0054	mg/L	0.01586	-0.2143	mg/kg	0.63458	296.10%
Manganese,7439-96-5†	248.6	0.0006	mg/L	0.00015	0.0220	mg/kg	0.00604	27.44%
Molybdenum,7439-98-7†	6.6	0.0005	mg/L	0.00034	0.0206	mg/kg	0.01364	66.13%
Nickel,7440-02-0†	-33.7	-0.0010	mg/L	0.00005	-0.0398	mg/kg	0.00202	5.08%
Potassium,7440-09-7†	153.5	0.0696	mg/L	0.03330	2.7839	mg/kg	1.33215	47.85%
Selenium,7782-49-2†	-15.1	-0.0130	mg/L	0.00654	-0.5185	mg/kg	0.26141	50.42%
Silicon,7440-21-3†	4.1	0.0138	mg/L	0.01207	0.5538	mg/kg	0.48287	87.19%
Silver,7440-22-4†	-7.9	-0.0001	mg/L	0.00019	-0.0021	mg/kg	0.00765	371.00%
Sodium,7440-23-5†	-947.7	-0.2738	mg/L	0.01127	-10.952	mg/kg	0.4509	4.12%
Strontium,7440-24-6†	-67.6	-0.0002	mg/L	0.00029	-0.0095	mg/kg	0.01145	121.19%
Thallium,7440-28-0†	-0.2	-0.0001	mg/L	0.00130	-0.0048	mg/kg	0.05200	>999.9%
Tin,7440-31-5†	53.7	0.0127	mg/L	0.00069	0.5092	mg/kg	0.02740	5.38%
Titanium,7440-32-6†	176.0	0.0004	mg/L	0.00013	0.0150	mg/kg	0.00534	35.54%
Vanadium,7440-62-2†	194.7	0.0019	mg/L	0.00023	0.0742	mg/kg	0.00913	12.31%
Zinc,7440-66-6†	732.2	0.0108	mg/L	0.00057	0.4327	mg/kg	0.02290	5.29%
Zirconium,7440-67-7†	89.4	0.0003	mg/L	0.00014	0.0110	mg/kg	0.00561	51.06%

Sequence No.: 56
Sample ID: 20608045201
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 58
Date Collected: 8/9/2006 3:59:05 PM
Data Type: Reprocessed on 8/10/2006 8:25:48 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045201

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3068500.8	106.07	%	1.036				0.98%

Yttrium,7440-65-5A	1691734.7	106.95 %	0.938				0.88%
Yttrium,7440-65-5R	108210.4	118.20 %	1.502				1.27%
Ar 420.067 R	1786532.8	105.73 %	0.306				0.29%
Ar 363.268 A	43915.1	87.695 %	0.2501				0.29%
Aluminum,7429-90-5†	8949.8	31.191 mg/L	0.8376	1237.8	mg/kg	33.24	2.69%
Antimony,7440-36-0†	-188.8	-0.0990 mg/L	0.00703	-3.9280	mg/kg	0.27887	7.10%
Arsenic,7440-38-2†	-157.5	-0.0613 mg/L	0.00669	-2.4334	mg/kg	0.26537	10.91%
Barium,7440-39-3†	646558.2	7.1006 mg/L	0.04857	281.77	mg/kg	1.927	0.68%
Beryllium,7440-41-7†	8670.2	0.0020 mg/L	0.00003	0.0784	mg/kg	0.00105	1.34%
Boron,7440-42-8†	2250.0	-0.3317 mg/L	0.00867	-13.163	mg/kg	0.3440	2.61%
Cadmium,7440-43-9†	2894.6	0.0230 mg/L	0.00055	0.9146	mg/kg	0.02193	2.40%
Calcium,7440-70-2†	734646.7	364.10 mg/L	6.308	14448	mg/kg	250.3	1.73%
Chromium,7440-47-3†	52035.2	0.4431 mg/L	0.00286	17.582	mg/kg	0.1135	0.65%
Cobalt,7440-48-4†	1060.3	0.0390 mg/L	0.00093	1.5474	mg/kg	0.03679	2.38%
Copper,7440-50-8†	133388.5	0.7925 mg/L	0.00563	31.450	mg/kg	0.2233	0.71%
Iron,7439-89-6†	478087.9	469.09 mg/L	9.265	18615	mg/kg	367.7	1.98%
Lead,7439-92-1†	11244.7	1.3352 mg/L	0.02862	52.983	mg/kg	1.1356	2.14%
Lithium,7439-93-2†	3873.0	0.0424 mg/L	0.00283	1.6822	mg/kg	0.11244	6.68%
Magnesium,7439-95-4†	10365.9	34.947 mg/L	1.1113	1386.8	mg/kg	44.10	3.18%
Manganese,7439-96-5†	2404664.4	5.3270 mg/L	0.03498	211.39	mg/kg	1.388	0.66%
Molybdenum,7439-98-7†	578.2	0.0493 mg/L	0.00036	1.9583	mg/kg	0.01441	0.74%
Nickel,7440-02-0†	7408.0	0.2160 mg/L	0.00480	8.5731	mg/kg	0.19050	2.22%
Potassium,7440-09-7†	16560.4	7.4046 mg/L	0.11211	293.83	mg/kg	4.449	1.51%
Selenium,7782-49-2†	-319.1	-0.1531 mg/L	0.01165	-6.0755	mg/kg	0.46234	7.61%
Silicon,7440-21-3†	3760.8	12.778 mg/L	0.3541	507.07	mg/kg	14.051	2.77%
Silver,7440-22-4†	-29517.8	-0.1099 mg/L	0.00143	-4.3606	mg/kg	0.05687	1.30%
Sodium,7440-23-5†	77964.4	21.928 mg/L	0.4013	870.16	mg/kg	15.923	1.83%
Strontium,7440-24-6†	259862.8	0.9096 mg/L	0.01537	36.095	mg/kg	0.6098	1.69%
Thallium,7440-28-0†	-58.4	-0.0171 mg/L	0.00060	-0.6788	mg/kg	0.02368	3.49%
Tin,7440-31-5†	70.0	0.0159 mg/L	0.00079	0.6314	mg/kg	0.03128	4.95%
Titanium,7440-32-6†	515298.5	1.0983 mg/L	0.00817	43.584	mg/kg	0.3241	0.74%
Vanadium,7440-62-2†	24164.3	0.2305 mg/L	0.00192	9.1475	mg/kg	0.07603	0.83%
Zinc,7440-66-6†	1335800.6	19.736 mg/L	0.1609	783.19	mg/kg	6.384	0.82%
Zirconium,7440-67-7†	26297.0	0.0755 mg/L	0.00093	2.9947	mg/kg	0.03700	1.24%

Sequence No.: 57
Sample ID: 20608045202
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 59
Date Collected: 8/9/2006 4:05:12 PM
Data Type: Reprocessed on 8/10/2006 8:25:50 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045202

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	2832182.9	97.897	%	3.7367				3.82%
Yttrium,7440-65-5A	1585959.6	100.27	%	3.391				3.38%
Yttrium,7440-65-5R	108454.0	118.46	%	0.604				0.51%
Ar 420.067 R	1711894.8	101.31	%	0.082				0.08%
Ar 363.268 A	43642.5	87.150	%	0.0603				0.07%
Aluminum,7429-90-5†	68521.2	238.89	mg/L	12.025	9479.7	mg/kg	477.17	5.03%
Antimony,7440-36-0†	-106.7	-0.0263	mg/L	0.00527	-1.0429	mg/kg	0.20902	20.04%
Arsenic,7440-38-2†	-0.9	0.0339	mg/L	0.01114	1.3449	mg/kg	0.44217	32.88%
Barium,7440-39-3†	964713.2	10.597	mg/L	0.4256	420.51	mg/kg	16.888	4.02%
Beryllium,7440-41-7†	67550.3	0.0212	mg/L	0.00079	0.8403	mg/kg	0.03132	3.73%
Boron,7440-42-8†	24003.4	0.6297	mg/L	0.03384	24.989	mg/kg	1.3428	5.37%
Cadmium,7440-43-9†	1700.1	0.0089	mg/L	0.00059	0.3524	mg/kg	0.02327	6.60%
Calcium,7440-70-2†	3845055.5	1905.1	mg/L	63.41	75600	mg/kg	2516.3	3.33%
Chromium,7440-47-3†	40520.0	0.3602	mg/L	0.01570	14.293	mg/kg	0.6229	4.36%
Cobalt,7440-48-4†	3042.8	0.1140	mg/L	0.00413	4.5235	mg/kg	0.16374	3.62%
Copper,7440-50-8†	452512.9	2.6735	mg/L	0.11210	106.09	mg/kg	4.449	4.19%
Iron,7439-89-6†	340348.4	333.91	mg/L	10.720	13250	mg/kg	425.4	3.21%
Lead,7439-92-1†	12734.5	1.4704	mg/L	0.05044	58.350	mg/kg	2.0016	3.43%
Lithium,7439-93-2†	18911.2	0.2171	mg/L	0.00710	8.6165	mg/kg	0.28190	3.27%
Magnesium,7439-95-4†	55014.8	186.08	mg/L	8.025	7383.9	mg/kg	318.46	4.31%
Manganese,7439-96-5†	2800531.7	6.2051	mg/L	0.24926	246.23	mg/kg	9.891	4.02%
Molybdenum,7439-98-7†	1437.6	0.1126	mg/L	0.00303	4.4683	mg/kg	0.12043	2.70%
Nickel,7440-02-0†	11116.2	0.3278	mg/L	0.01158	13.007	mg/kg	0.4594	3.53%
Potassium,7440-09-7†	68834.6	30.858	mg/L	0.9549	1224.5	mg/kg	37.89	3.09%
Selenium,7782-49-2†	-197.1	-0.0584	mg/L	0.00633	-2.3181	mg/kg	0.25101	10.83%

Silicon,7440-21-3†	9043.1	30.690	mg/L	1.3158	1217.8	mg/kg	52.21	4.29%
Silver,7440-22-4†	-36637.2	-0.1595	mg/L	0.00908	-6.3290	mg/kg	0.36032	5.69%
Sodium,7440-23-5†	655074.7	187.96	mg/L	6.258	7458.8	mg/kg	248.32	3.33%
Strontium,7440-24-6†	2373354.6	8.3046	mg/L	0.27473	329.55	mg/kg	10.902	3.31%
Thallium,7440-28-0†	-221.3	-0.0666	mg/L	0.00414	-2.6448	mg/kg	0.16422	6.21%
Tin,7440-31-5†	597.6	0.1581	mg/L	0.00499	6.2739	mg/kg	0.19821	3.16%
Titanium,7440-32-6†	3463697.3	7.3861	mg/L	0.30734	293.10	mg/kg	12.196	4.16%
Vanadium,7440-62-2†	89632.0	0.8524	mg/L	0.03608	33.826	mg/kg	1.4316	4.23%
Zinc,7440-66-6†	844825.4	12.493	mg/L	0.5123	495.77	mg/kg	20.328	4.10%
Zirconium,7440-67-7†	141714.9	0.4457	mg/L	0.01940	17.687	mg/kg	0.7697	4.35%

Sequence No.: 58
Sample ID: 20608045203
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 60
Date Collected: 8/9/2006 4:11:27 PM
Data Type: Reprocessed on 8/10/2006 8:25:52 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045203

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3180476.0	109.94	%	0.332				0.30%
Yttrium,7440-65-5A	1743208.4	110.21	%	0.338				0.31%
Yttrium,7440-65-5R	110575.4	120.78	%	1.035				0.86%
Ar 420.067 R	1831477.7	108.39	%	0.028				0.03%
Ar 363.268 A	45326.2	90.513	%	0.1863				0.21%
Aluminum,7429-90-5†	5998.0	20.902	mg/L	0.1577	836.07	mg/kg	6.308	0.75%
Antimony,7440-36-0†	-144.8	-0.0799	mg/L	0.00555	-3.1943	mg/kg	0.22183	6.94%
Arsenic,7440-38-2†	-137.1	-0.0534	mg/L	0.00676	-2.1370	mg/kg	0.27035	12.65%
Barium,7440-39-3†	271412.4	2.9802	mg/L	0.00338	119.21	mg/kg	0.135	0.11%
Beryllium,7440-41-7†	6157.0	0.0011	mg/L	0.00003	0.0429	mg/kg	0.00113	2.64%
Boron,7440-42-8†	1534.4	-0.2802	mg/L	0.00604	-11.210	mg/kg	0.2415	2.15%
Cadmium,7440-43-9†	2220.6	0.0179	mg/L	0.00009	0.7168	mg/kg	0.00365	0.51%
Calcium,7440-70-2†	164652.8	81.670	mg/L	0.9678	3266.8	mg/kg	38.71	1.19%
Chromium,7440-47-3†	30978.4	0.2385	mg/L	0.00140	9.5416	mg/kg	0.05602	0.59%
Cobalt,7440-48-4†	969.9	0.0359	mg/L	0.00058	1.4379	mg/kg	0.02300	1.60%
Copper,7440-50-8†	111528.3	0.6623	mg/L	0.00138	26.492	mg/kg	0.0553	0.21%
Iron,7439-89-6†	384393.5	377.16	mg/L	6.236	15087	mg/kg	249.4	1.65%
Lead,7439-92-1†	74121.1	8.1950	mg/L	0.01195	327.80	mg/kg	0.478	0.15%
Lithium,7439-93-2†	2778.9	0.0307	mg/L	0.00031	1.2268	mg/kg	0.01233	1.00%
Magnesium,7439-95-4†	3348.8	11.224	mg/L	0.1159	448.97	mg/kg	4.637	1.03%
Manganese,7439-96-5†	1348258.2	2.9867	mg/L	0.00395	119.47	mg/kg	0.158	0.13%
Molybdenum,7439-98-7†	412.9	0.0355	mg/L	0.00084	1.4192	mg/kg	0.03343	2.36%
Nickel,7440-02-0†	4745.5	0.1382	mg/L	0.00105	5.5294	mg/kg	0.04213	0.76%
Potassium,7440-09-7†	8655.4	3.8735	mg/L	0.04371	154.94	mg/kg	1.748	1.13%
Selenium,7782-49-2†	-248.1	-0.1148	mg/L	0.00592	-4.5920	mg/kg	0.23684	5.16%
Silicon,7440-21-3†	2106.9	7.1644	mg/L	0.04614	286.58	mg/kg	1.845	0.64%
Silver,7440-22-4†	-24094.9	-0.0896	mg/L	0.00088	-3.5847	mg/kg	0.03525	0.98%
Sodium,7440-23-5†	13003.0	3.3809	mg/L	0.02443	135.24	mg/kg	0.977	0.72%
Strontium,7440-24-6†	168753.9	0.5904	mg/L	0.00712	23.618	mg/kg	0.2848	1.21%
Thallium,7440-28-0†	-35.5	-0.0073	mg/L	0.00108	-0.2929	mg/kg	0.04316	14.74%
Tin,7440-31-5†	71.3	0.0137	mg/L	0.00263	0.5467	mg/kg	0.10540	19.28%
Titanium,7440-32-6†	378219.2	0.8061	mg/L	0.00062	32.244	mg/kg	0.0248	0.08%
Vanadium,7440-62-2†	14388.2	0.1374	mg/L	0.00038	5.4975	mg/kg	0.01532	0.28%
Zinc,7440-66-6†	1209557.0	17.868	mg/L	0.0206	714.73	mg/kg	0.823	0.12%
Zirconium,7440-67-7†	16420.3	0.0460	mg/L	0.00030	1.8409	mg/kg	0.01216	0.66%

Sequence No.: 59
Sample ID: 20608045204
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 61
Date Collected: 8/9/2006 4:18:20 PM
Data Type: Reprocessed on 8/10/2006 8:25:53 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045204

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3034922.6	104.91	%	0.500				0.48%

Yttrium,7440-65-5A	1669776.5	105.56	%	0.577			0.55%
Yttrium,7440-65-5R	108767.1	118.81	%	1.861			1.57%
Ar 420.067 R	1778543.6	105.26	%	0.481			0.46%
Ar 363.268 A	41410.5	82.693	%	0.0373			0.05%
Aluminum,7429-90-5†	10456.2	36.434	mg/L	0.3123	1457.3 mg/kg	12.49	0.86%
Antimony,7440-36-0†	-296.5	-0.1653	mg/L	0.00198	-6.6126 mg/kg	0.07900	1.19%
Arsenic,7440-38-2†	-256.4	-0.1051	mg/L	0.00888	-4.2042 mg/kg	0.35523	8.45%
Barium,7440-39-3†	403647.4	4.4327	mg/L	0.01090	177.31 mg/kg	0.436	0.25%
Beryllium,7440-41-7†	4952.0	0.0007	mg/L	0.00004	0.0287 mg/kg	0.00151	5.27%
Boron,7440-42-8†	2055.9	-0.5739	mg/L	0.01412	-22.956 mg/kg	0.5647	2.46%
Cadmium,7440-43-9†	2825.5	0.0196	mg/L	0.00043	0.7842 mg/kg	0.01733	2.21%
Calcium,7440-70-2†	1043362.9	517.11	mg/L	10.408	20684 mg/kg	416.3	2.01%
Chromium,7440-47-3†	43979.1	0.2915	mg/L	0.00369	11.659 mg/kg	0.1477	1.27%
Cobalt,7440-48-4†	2130.0	0.0804	mg/L	0.00112	3.2173 mg/kg	0.04474	1.39%
Copper,7440-50-8†	100112.5	0.5971	mg/L	0.00113	23.886 mg/kg	0.0452	0.19%
Iron,7439-89-6†	743955.0	729.95	mg/L	14.732	29198 mg/kg	589.3	2.02%
Lead,7439-92-1†	17576.4	2.0867	mg/L	0.01562	83.469 mg/kg	0.6248	0.75%
Lithium,7439-93-2†	5240.8	0.0570	mg/L	0.00098	2.2815 mg/kg	0.03917	1.72%
Magnesium,7439-95-4†	15963.9	53.813	mg/L	0.5418	2152.5 mg/kg	21.67	1.01%
Manganese,7439-96-5†	2921385.8	6.4713	mg/L	0.01621	258.85 mg/kg	0.648	0.25%
Molybdenum,7439-98-7†	296.2	0.0295	mg/L	0.00056	1.1789 mg/kg	0.02229	1.89%
Nickel,7440-02-0†	8156.9	0.2362	mg/L	0.00315	9.4484 mg/kg	0.12593	1.33%
Potassium,7440-09-7†	26925.5	12.061	mg/L	0.1946	482.44 mg/kg	7.784	1.61%
Selenium,7782-49-2†	-473.0	-0.2203	mg/L	0.01150	-8.8109 mg/kg	0.46001	5.22%
Silicon,7440-21-3†	4930.2	16.758	mg/L	0.1812	670.30 mg/kg	7.249	1.08%
Silver,7440-22-4†	-41614.7	-0.1491	mg/L	0.00237	-5.9621 mg/kg	0.09470	1.59%
Sodium,7440-23-5†	21481.5	5.3624	mg/L	0.07776	214.50 mg/kg	3.110	1.45%
Strontium,7440-24-6†	416371.8	1.4573	mg/L	0.02320	58.291 mg/kg	0.9281	1.59%
Thallium,7440-28-0†	-48.3	-0.0102	mg/L	0.00084	-0.4065 mg/kg	0.03348	8.24%
Tin,7440-31-5†	113.3	0.0249	mg/L	0.00233	0.9976 mg/kg	0.09340	9.36%
Titanium,7440-32-6†	233038.7	0.4961	mg/L	0.00118	19.843 mg/kg	0.0471	0.24%
Vanadium,7440-62-2†	24244.1	0.2318	mg/L	0.00100	9.2714 mg/kg	0.04002	0.43%
Zinc,7440-66-6†	462568.7	6.8457	mg/L	0.01498	273.83 mg/kg	0.599	0.22%
Zirconium,7440-67-7†	18813.2	0.0469	mg/L	0.00019	1.8779 mg/kg	0.00768	0.41%

Sequence No.: 60
Sample ID: 20608045205
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 62
Date Collected: 8/9/2006 4:24:27 PM
Data Type: Reprocessed on 8/10/2006 8:25:55 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045205

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3168779.0	109.53	%	0.733				0.67%
Yttrium,7440-65-5A	1733839.6	109.61	%	0.634				0.58%
Yttrium,7440-65-5R	110427.8	120.62	%	0.511				0.42%
Ar 420.067 R	1835001.3	108.60	%	0.250				0.23%
Ar 363.268 A	44835.4	89.533	%	0.4452				0.50%
Aluminum,7429-90-5†	9961.0	34.719	mg/L	0.2858	1377.7	mg/kg	11.34	0.82%
Antimony,7440-36-0†	-156.4	-0.0811	mg/L	0.01740	-3.2184	mg/kg	0.69062	21.46%
Arsenic,7440-38-2†	-97.1	-0.0117	mg/L	0.00304	-0.4659	mg/kg	0.12073	25.91%
Barium,7440-39-3†	250912.5	2.7550	mg/L	0.01166	109.33	mg/kg	0.463	0.42%
Beryllium,7440-41-7†	7722.6	0.0019	mg/L	0.00007	0.0735	mg/kg	0.00292	3.98%
Boron,7440-42-8†	1426.3	-0.2974	mg/L	0.00476	-11.803	mg/kg	0.1888	1.60%
Cadmium,7440-43-9†	1709.2	0.0120	mg/L	0.00004	0.4776	mg/kg	0.00164	0.34%
Calcium,7440-70-2†	283724.0	140.67	mg/L	1.232	5582.2	mg/kg	48.90	0.88%
Chromium,7440-47-3†	56002.6	0.5041	mg/L	0.00336	20.003	mg/kg	0.1332	0.67%
Cobalt,7440-48-4†	1502.3	0.0560	mg/L	0.00044	2.2232	mg/kg	0.01758	0.79%
Copper,7440-50-8†	185629.8	1.1004	mg/L	0.00547	43.669	mg/kg	0.2171	0.50%
Iron,7439-89-6†	400628.4	393.09	mg/L	2.950	15599	mg/kg	117.0	0.75%
Lead,7439-92-1†	64965.5	7.1965	mg/L	0.04475	285.58	mg/kg	1.776	0.62%
Lithium,7439-93-2†	5121.0	0.0581	mg/L	0.00110	2.3047	mg/kg	0.04376	1.90%
Magnesium,7439-95-4†	9065.9	30.564	mg/L	0.1308	1212.9	mg/kg	5.19	0.43%
Manganese,7439-96-5†	1813404.5	4.0171	mg/L	0.01879	159.41	mg/kg	0.746	0.47%
Molybdenum,7439-98-7†	445.2	0.0380	mg/L	0.00062	1.5078	mg/kg	0.02454	1.63%
Nickel,7440-02-0†	6552.8	0.1912	mg/L	0.00127	7.5879	mg/kg	0.05026	0.66%
Potassium,7440-09-7†	21350.9	9.6164	mg/L	0.09092	381.60	mg/kg	3.608	0.95%
Selenium,7782-49-2†	-266.8	-0.1247	mg/L	0.00832	-4.9496	mg/kg	0.33005	6.67%

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Silicon,7440-21-3†	5565.6	18.896	mg/L	0.0573	749.85	mg/kg	2.272	0.30%
Silver,7440-22-4†	-24537.7	-0.0912	mg/L	0.00081	-3.6188	mg/kg	0.03196	0.88%
Sodium,7440-23-5†	6382.2	1.4081	mg/L	0.01532	55.875	mg/kg	0.6081	1.09%
Strontium,7440-24-6†	183936.9	0.6437	mg/L	0.00614	25.542	mg/kg	0.2437	0.95%
Thallium,7440-28-0†	-44.9	-0.0151	mg/L	0.00108	-0.5981	mg/kg	0.04282	7.16%
Tin,7440-31-5†	99.9	0.0205	mg/L	0.00223	0.8131	mg/kg	0.08856	10.89%
Titanium,7440-32-6†	185419.4	0.3949	mg/L	0.00110	15.671	mg/kg	0.0438	0.28%
Vanadium,7440-62-2†	21722.2	0.2073	mg/L	0.00174	8.2255	mg/kg	0.06901	0.84%
Zinc,7440-66-6†	708581.2	10.470	mg/L	0.0455	415.49	mg/kg	1.807	0.43%
Zirconium,7440-67-7†	16741.8	0.0458	mg/L	0.00033	1.8161	mg/kg	0.01319	0.73%

Sequence No.: 61
Sample ID: 20608045207
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Autosampler Location: 63
Date Collected: 8/9/2006 4:30:39 PM
Data Type: Reprocessed on 8/10/2006 8:25:56 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045207

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3162203.6	109.30	%	0.896				0.82%
Yttrium,7440-65-5A	1701395.0	107.56	%	0.977				0.91%
Yttrium,7440-65-5R	107172.7	117.06	%	0.605				0.52%
Ar 420.067 R	1818431.3	107.62	%	0.309				0.29%
Ar 363.268 A	44774.6	89.411	%	0.0852				0.10%
Aluminum,7429-90-5†	1466.8	5.1019	mg/L	0.01680	1020.4	mg/kg	3.36	0.33%
Antimony,7440-36-0†	-177.4	-0.1035	mg/L	0.00498	-20.699	mg/kg	0.9964	4.81%
Arsenic,7440-38-2†	-164.6	-0.0739	mg/L	0.00619	-14.786	mg/kg	1.2388	8.38%
Barium,7440-39-3†	65472.5	0.7185	mg/L	0.00953	143.70	mg/kg	1.907	1.33%
Beryllium,7440-41-7†	-702.3	-0.0010	mg/L	0.00005	-0.1947	mg/kg	0.01001	5.14%
Boron,7440-42-8†	26.1	-0.3667	mg/L	0.00584	-73.335	mg/kg	1.1680	1.59%
Cadmium,7440-43-9†	1524.7	0.0110	mg/L	0.00017	2.2004	mg/kg	0.03452	1.57%
Calcium,7440-70-2†	121012.7	60.052	mg/L	0.6234	12010	mg/kg	124.7	1.04%
Chromium,7440-47-3†	19419.7	0.1061	mg/L	0.00246	21.215	mg/kg	0.4923	2.32%
Cobalt,7440-48-4†	568.0	0.0209	mg/L	0.00049	4.1810	mg/kg	0.09843	2.35%
Copper,7440-50-8†	24432.1	0.1477	mg/L	0.00205	29.534	mg/kg	0.4107	1.39%
Iron,7439-89-6†	416133.7	408.31	mg/L	2.937	81661	mg/kg	587.5	0.72%
Lead,7439-92-1†	9782.7	1.1611	mg/L	0.01477	232.22	mg/kg	2.954	1.27%
Lithium,7439-93-2†	878.1	0.0082	mg/L	0.00008	1.6398	mg/kg	0.01687	1.03%
Magnesium,7439-95-4†	1834.5	6.0905	mg/L	0.04022	1218.1	mg/kg	8.04	0.66%
Manganese,7439-96-5†	1110821.3	2.4605	mg/L	0.00580	492.09	mg/kg	1.160	0.24%
Molybdenum,7439-98-7†	125.9	0.0135	mg/L	0.00099	2.6905	mg/kg	0.19779	7.35%
Nickel,7440-02-0†	2703.0	0.0774	mg/L	0.00137	15.485	mg/kg	0.2745	1.77%
Potassium,7440-09-7†	3470.2	1.5278	mg/L	0.02575	305.56	mg/kg	5.150	1.69%
Selenium,7782-49-2†	-282.7	-0.1397	mg/L	0.00152	-27.932	mg/kg	0.3035	1.09%
Silicon,7440-21-3†	891.2	3.0425	mg/L	0.02839	608.50	mg/kg	5.679	0.93%
Silver,7440-22-4†	-23143.1	-0.0822	mg/L	0.00278	-16.433	mg/kg	0.5562	3.38%
Sodium,7440-23-5†	1627.7	0.1120	mg/L	0.00689	22.410	mg/kg	1.3779	6.15%
Strontium,7440-24-6†	69016.8	0.2415	mg/L	0.00236	48.308	mg/kg	0.4727	0.98%
Thallium,7440-28-0†	-17.1	-0.0013	mg/L	0.00238	-0.2582	mg/kg	0.47577	184.29%
Tin,7440-31-5†	9.4	-0.0014	mg/L	0.00161	-0.2873	mg/kg	0.32187	112.02%
Titanium,7440-32-6†	36965.1	0.0783	mg/L	0.00035	15.665	mg/kg	0.0706	0.45%
Vanadium,7440-62-2†	7335.8	0.0705	mg/L	0.00163	14.102	mg/kg	0.3259	2.31%
Zinc,7440-66-6†	187660.0	2.7777	mg/L	0.03984	555.54	mg/kg	7.967	1.43%
Zirconium,7440-67-7†	4031.5	0.0059	mg/L	0.00036	1.1837	mg/kg	0.07108	6.00%

Sequence No.: 62
Sample ID: 20608045208
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 64
Date Collected: 8/9/2006 4:37:41 PM
Data Type: Reprocessed on 8/10/2006 8:25:58 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045208

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3050426.1	105.44	%	0.594				0.56%

Yttrium,7440-65-5A	1700368.9	107.50	%	0.499			0.46%
Yttrium,7440-65-5R	111983.8	122.32	%	1.812			1.48%
Ar 420.067 R	1803284.3	106.72	%	0.024			0.02%
Ar 363.268 A	44955.6	89.773	%	0.2430			0.27%
Aluminum,7429-90-5†	23816.8	83.027	mg/L	1.0694	3294.7	mg/kg	42.44	1.29%
Antimony,7440-36-0†	-125.6	-0.0618	mg/L	0.00083	-2.4529	mg/kg	0.03284	1.34%
Arsenic,7440-38-2†	-47.8	0.0042	mg/L	0.00275	0.1686	mg/kg	0.10897	64.64%
Barium,7440-39-3†	554585.5	6.0914	mg/L	0.03679	241.72	mg/kg	1.460	0.60%
Beryllium,7440-41-7†	17632.2	0.0065	mg/L	0.00007	0.2568	mg/kg	0.00291	1.13%
Boron,7440-42-8†	3285.9	-0.1464	mg/L	0.00223	-5.8095	mg/kg	0.08842	1.52%
Cadmium,7440-43-9†	1173.3	0.0069	mg/L	0.00027	0.2739	mg/kg	0.01089	3.98%
Calcium,7440-70-2†	1587794.6	786.75	mg/L	4.562	31220	mg/kg	181.0	0.58%
Chromium,7440-47-3†	22326.7	0.1663	mg/L	0.00146	6.6002	mg/kg	0.05788	0.88%
Cobalt,7440-48-4†	1650.3	0.0629	mg/L	0.00055	2.4965	mg/kg	0.02177	0.87%
Copper,7440-50-8†	79803.4	0.4735	mg/L	0.00269	18.791	mg/kg	0.1068	0.57%
Iron,7439-89-6†	317290.7	311.31	mg/L	1.801	12354	mg/kg	71.5	0.58%
Lead,7439-92-1†	7784.6	0.9232	mg/L	0.00861	36.635	mg/kg	0.3417	0.93%
Lithium,7439-93-2†	11619.1	0.1340	mg/L	0.00129	5.3189	mg/kg	0.05136	0.97%
Magnesium,7439-95-4†	25579.8	86.473	mg/L	1.4400	3431.5	mg/kg	57.14	1.67%
Manganese,7439-96-5†	2401918.5	5.3209	mg/L	0.02895	211.15	mg/kg	1.149	0.54%
Molybdenum,7439-98-7†	96.8	0.0096	mg/L	0.00077	0.3801	mg/kg	0.03062	8.06%
Nickel,7440-02-0†	6374.7	0.1857	mg/L	0.00067	7.3679	mg/kg	0.02674	0.36%
Potassium,7440-09-7†	60336.4	27.204	mg/L	0.1201	1079.5	mg/kg	4.77	0.44%
Selenium,7782-49-2†	-184.0	-0.0713	mg/L	0.00743	-2.8286	mg/kg	0.29477	10.42%
Silicon,7440-21-3†	8941.4	30.344	mg/L	0.4841	1204.1	mg/kg	19.21	1.60%
Silver,7440-22-4†	-15900.2	-0.0564	mg/L	0.00122	-2.2365	mg/kg	0.04847	2.17%
Sodium,7440-23-5†	22459.0	5.8481	mg/L	0.08943	232.07	mg/kg	3.549	1.53%
Strontium,7440-24-6†	634342.0	2.2201	mg/L	0.01199	88.098	mg/kg	0.4759	0.54%
Thallium,7440-28-0†	-54.2	-0.0217	mg/L	0.00409	-0.8603	mg/kg	0.16218	18.85%
Tin,7440-31-5†	-24.9	-0.0013	mg/L	0.00240	-0.0527	mg/kg	0.09537	181.00%
Titanium,7440-32-6†	211517.4	0.4507	mg/L	0.00345	17.885	mg/kg	0.1371	0.77%
Vanadium,7440-62-2†	29256.4	0.2787	mg/L	0.00206	11.060	mg/kg	0.0818	0.74%
Zinc,7440-66-6†	368226.7	5.4491	mg/L	0.02870	216.23	mg/kg	1.139	0.53%
Zirconium,7440-67-7†	26743.7	0.0779	mg/L	0.00021	3.0929	mg/kg	0.00853	0.28%

Sequence No.: 63
Sample ID: 20608045209
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 65
Date Collected: 8/9/2006 4:43:46 PM
Data Type: Reprocessed on 8/10/2006 8:25:59 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045209

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3017574.5	104.31	%	0.792				0.76%
Yttrium,7440-65-5A	1731792.3	109.48	%	0.736				0.67%
Yttrium,7440-65-5R	112733.2	123.14	%	1.332				1.08%
Ar 420.067 R	1770584.3	104.79	%	0.171				0.16%
Ar 363.268 A	45155.5	90.172	%	0.5683				0.63%
Aluminum,7429-90-5†	54277.4	189.23	mg/L	2.211	7509.1	mg/kg	87.74	1.17%
Antimony,7440-36-0†	-133.3	-0.0620	mg/L	0.00336	-2.4612	mg/kg	0.13318	5.41%
Arsenic,7440-38-2†	-70.5	-0.0143	mg/L	0.00076	-0.5684	mg/kg	0.03028	5.33%
Barium,7440-39-3†	235428.8	2.5863	mg/L	0.02269	102.63	mg/kg	0.900	0.88%
Beryllium,7440-41-7†	39190.5	0.0146	mg/L	0.00010	0.5780	mg/kg	0.00395	0.68%
Boron,7440-42-8†	4320.5	-0.0949	mg/L	0.00189	-3.7657	mg/kg	0.07489	1.99%
Cadmium,7440-43-9†	1020.8	0.0056	mg/L	0.00007	0.2224	mg/kg	0.00272	1.22%
Calcium,7440-70-2†	1735717.0	860.05	mg/L	8.372	34129	mg/kg	332.2	0.97%
Chromium,7440-47-3†	24258.7	0.1938	mg/L	0.00114	7.6904	mg/kg	0.04519	0.59%
Cobalt,7440-48-4†	3252.7	0.1258	mg/L	0.00167	4.9932	mg/kg	0.06617	1.33%
Copper,7440-50-8†	45041.2	0.2684	mg/L	0.00168	10.653	mg/kg	0.0666	0.62%
Iron,7439-89-6†	305622.0	299.86	mg/L	3.457	11899	mg/kg	137.2	1.15%
Lead,7439-92-1†	2980.0	0.3936	mg/L	0.00513	15.618	mg/kg	0.2035	1.30%
Lithium,7439-93-2†	26353.2	0.3080	mg/L	0.00262	12.224	mg/kg	0.1042	0.85%
Magnesium,7439-95-4†	49455.1	167.25	mg/L	2.564	6637.0	mg/kg	101.75	1.53%
Manganese,7439-96-5†	2985186.5	6.6130	mg/L	0.05437	262.42	mg/kg	2.158	0.82%
Molybdenum,7439-98-7†	-52.6	-0.0036	mg/L	0.00117	-0.1444	mg/kg	0.04644	32.15%
Nickel,7440-02-0†	10157.2	0.2976	mg/L	0.00202	11.808	mg/kg	0.0803	0.68%
Potassium,7440-09-7†	129369.2	58.476	mg/L	0.4301	2320.5	mg/kg	17.07	0.74%
Selenium,7782-49-2†	-191.2	-0.0614	mg/L	0.00433	-2.4347	mg/kg	0.17165	7.05%

Silicon,7440-21-3†	10921.3	37.057	mg/L	0.5148	1470.5	mg/kg	20.43	1.39%
Silver,7440-22-4†	-17650.0	-0.0668	mg/L	0.00132	-2.6513	mg/kg	0.05236	1.97%
Sodium,7440-23-5†	24565.0	6.3398	mg/L	0.07300	251.58	mg/kg	2.897	1.15%
Strontium,7440-24-6†	653395.3	2.2869	mg/L	0.01946	90.748	mg/kg	0.7723	0.85%
Thallium,7440-28-0†	-69.0	-0.0276	mg/L	0.00189	-1.0949	mg/kg	0.07507	6.86%
Tin,7440-31-5†	-30.4	-0.0047	mg/L	0.00169	-0.1852	mg/kg	0.06723	36.30%
Titanium,7440-32-6†	247695.5	0.5279	mg/L	0.00449	20.948	mg/kg	0.1781	0.85%
Vanadium,7440-62-2†	44314.1	0.4219	mg/L	0.00272	16.742	mg/kg	0.1078	0.64%
Zinc,7440-66-6†	172754.5	2.5639	mg/L	0.02605	101.74	mg/kg	1.034	1.02%
Zirconium,7440-67-7†	44165.5	0.1317	mg/L	0.00087	5.2269	mg/kg	0.03441	0.66%

Sequence No.: 64
Sample ID: 20608045210
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 66
Date Collected: 8/9/2006 4:49:50 PM
Data Type: Reprocessed on 8/10/2006 8:26:01 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045210

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3042891.8	105.18	%	0.717				0.68%
Yttrium,7440-65-5A	1688190.4	106.73	%	0.628				0.59%
Yttrium,7440-65-5R	109770.1	119.90	%	0.069				0.06%
Ar 420.067 R	1785045.9	105.64	%	0.060				0.06%
Ar 363.268 A	42412.9	84.695	%	0.6227				0.74%
Aluminum,7429-90-5†	15656.5	54.568	mg/L	0.4255	2182.7	mg/kg	17.02	0.78%
Antimony,7440-36-0†	-245.0	-0.1266	mg/L	0.00649	-5.0648	mg/kg	0.25963	5.13%
Arsenic,7440-38-2†	-152.5	-0.0297	mg/L	0.00334	-1.1879	mg/kg	0.13346	11.24%
Barium,7440-39-3†	884098.0	9.7097	mg/L	0.02574	388.39	mg/kg	1.030	0.27%
Beryllium,7440-41-7†	9348.5	0.0026	mg/L	0.00002	0.1033	mg/kg	0.00062	0.60%
Boron,7440-42-8†	2820.9	-0.4544	mg/L	0.01009	-18.177	mg/kg	0.4035	2.22%
Cadmium,7440-43-9†	3081.2	0.0224	mg/L	0.00026	0.8961	mg/kg	0.01054	1.18%
Calcium,7440-70-2†	1492002.6	739.37	mg/L	14.356	29575	mg/kg	574.2	1.94%
Chromium,7440-47-3†	65910.6	0.5523	mg/L	0.00642	22.090	mg/kg	0.2566	1.16%
Cobalt,7440-48-4†	1732.1	0.0644	mg/L	0.00045	2.5751	mg/kg	0.01797	0.70%
Copper,7440-50-8†	179423.2	1.0653	mg/L	0.00460	42.611	mg/kg	0.1842	0.43%
Iron,7439-89-6†	645455.6	633.30	mg/L	14.464	25332	mg/kg	578.6	2.28%
Lead,7439-92-1†	28729.8	3.2866	mg/L	0.02038	131.47	mg/kg	0.815	0.62%
Lithium,7439-93-2†	7339.1	0.0818	mg/L	0.00112	3.2729	mg/kg	0.04494	1.37%
Magnesium,7439-95-4†	19103.8	64.471	mg/L	0.5445	2578.9	mg/kg	21.78	0.84%
Manganese,7439-96-5†	3327207.8	7.3705	mg/L	0.02432	294.82	mg/kg	0.973	0.33%
Molybdenum,7439-98-7†	489.5	0.0436	mg/L	0.00086	1.7449	mg/kg	0.03440	1.97%
Nickel,7440-02-0†	8651.4	0.2511	mg/L	0.00532	10.044	mg/kg	0.2127	2.12%
Potassium,7440-09-7†	45303.4	20.369	mg/L	0.3313	814.75	mg/kg	13.254	1.63%
Selenium,7782-49-2†	-397.9	-0.1786	mg/L	0.01004	-7.1430	mg/kg	0.40166	5.62%
Silicon,7440-21-3†	6670.2	22.655	mg/L	0.1880	906.19	mg/kg	7.521	0.83%
Silver,7440-22-4†	-35806.9	-0.1290	mg/L	0.00114	-5.1620	mg/kg	0.04574	0.89%
Sodium,7440-23-5†	20117.9	4.9360	mg/L	0.01426	197.44	mg/kg	0.571	0.29%
Strontium,7440-24-6†	809879.3	2.8341	mg/L	0.05226	113.36	mg/kg	2.090	1.84%
Thallium,7440-28-0†	-63.2	-0.0203	mg/L	0.00294	-0.8107	mg/kg	0.11772	14.52%
Tin,7440-31-5†	93.3	0.0236	mg/L	0.00244	0.9448	mg/kg	0.09760	10.33%
Titanium,7440-32-6†	287230.4	0.6117	mg/L	0.00230	24.470	mg/kg	0.0921	0.38%
Vanadium,7440-62-2†	34287.8	0.3271	mg/L	0.00195	13.086	mg/kg	0.0780	0.60%
Zinc,7440-66-6†	1636415.3	24.181	mg/L	0.0710	967.25	mg/kg	2.838	0.29%
Zirconium,7440-67-7†	24574.5	0.0664	mg/L	0.00068	2.6557	mg/kg	0.02700	1.02%

Sequence No.: 65
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 5:01:14 PM
Data Type: Reprocessed on 8/10/2006 8:26:03 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3295601.8	113.92	%	0.218				0.19%

Yttrium,7440-65-5A	1767599.0	111.75 %	0.289			0.26%
Yttrium,7440-65-5R	110163.7	120.33 %	0.759			0.63%
Ar 420.067 R	1861814.7	110.18 %	0.248			0.23%
Ar 363.268 A	49044.1	97.937 %	0.6400			0.65%
Aluminum,7429-90-5†	1469.8	5.1287 mg/L	0.03983	5.1287 mg/L	0.03983	0.78%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.57%						
Antimony,7440-36-0†	868.8	0.5468 mg/L	0.00133	0.5468 mg/L	0.00133	0.24%
QC value within limits for Antimony,7440-36-0 Recovery = 109.35%						
Arsenic,7440-38-2†	561.9	0.5528 mg/L	0.00696	0.5528 mg/L	0.00696	1.26%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 110.55%						
Barium,7440-39-3†	48580.7	0.5327 mg/L	0.00257	0.5327 mg/L	0.00257	0.48%
QC value within limits for Barium,7440-39-3 Recovery = 106.55%						
Beryllium,7440-41-7†	1453941.5	0.5360 mg/L	0.00255	0.5360 mg/L	0.00255	0.48%
QC value within limits for Beryllium,7440-41-7 Recovery = 107.19%						
Boron,7440-42-8†	71809.4	2.7014 mg/L	0.03102	2.7014 mg/L	0.03102	1.15%
QC value within limits for Boron,7440-42-8 Recovery = 108.05%						
Cadmium,7440-43-9†	54467.2	0.5528 mg/L	0.00399	0.5528 mg/L	0.00399	0.72%
QC value greater than the upper limit for Cadmium,7440-43-9 Recovery = 110.56%						
Calcium,7440-70-2†	11556.1	5.7318 mg/L	0.03509	5.7318 mg/L	0.03509	0.61%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 114.64%						
Chromium,7440-47-3†	50091.1	0.5365 mg/L	0.00253	0.5365 mg/L	0.00253	0.47%
QC value within limits for Chromium,7440-47-3 Recovery = 107.30%						
Cobalt,7440-48-4†	14189.4	0.5545 mg/L	0.00564	0.5545 mg/L	0.00564	1.02%
QC value greater than the upper limit for Cobalt,7440-48-4 Recovery = 110.90%						
Copper,7440-50-8†	87862.1	0.5201 mg/L	0.00290	0.5201 mg/L	0.00290	0.56%
QC value within limits for Copper,7440-50-8 Recovery = 104.02%						
Iron,7439-89-6†	5563.7	5.4602 mg/L	0.02932	5.4602 mg/L	0.02932	0.54%
QC value within limits for Iron,7439-89-6 Recovery = 109.20%						
Lead,7439-92-1†	4952.4	0.5428 mg/L	0.00142	0.5428 mg/L	0.00142	0.26%
QC value within limits for Lead,7439-92-1 Recovery = 108.56%						
Lithium,7439-93-2†	45520.8	0.5394 mg/L	0.00095	0.5394 mg/L	0.00095	0.18%
QC value within limits for Lithium,7439-93-2 Recovery = 107.89%						
Magnesium,7439-95-4†	1705.4	5.7689 mg/L	0.06029	5.7689 mg/L	0.06029	1.05%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 115.38%						
Manganese,7439-96-5†	240415.0	0.5328 mg/L	0.00253	0.5328 mg/L	0.00253	0.47%
QC value within limits for Manganese,7439-96-5 Recovery = 106.55%						
Molybdenum,7439-98-7†	6769.0	0.5290 mg/L	0.00157	0.5290 mg/L	0.00157	0.30%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.80%						
Nickel,7440-02-0†	19084.0	0.5640 mg/L	0.00293	0.5640 mg/L	0.00293	0.52%
QC value greater than the upper limit for Nickel,7440-02-0 Recovery = 112.80%						
Potassium,7440-09-7†	23349.5	10.583 mg/L	0.0715	10.583 mg/L	0.0715	0.68%
QC value within limits for Potassium,7440-09-7 Recovery = 105.83%						
Selenium,7782-49-2†	635.3	0.5474 mg/L	0.00774	0.5474 mg/L	0.00774	1.41%
QC value within limits for Selenium,7782-49-2 Recovery = 109.48%						
Silicon,7440-21-3†	164.7	0.5582 mg/L	0.00633	0.5582 mg/L	0.00633	1.13%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = 111.65%						
Silver,7440-22-4†	107617.8	0.5110 mg/L	0.00274	0.5110 mg/L	0.00274	0.54%
QC value within limits for Silver,7440-22-4 Recovery = 102.20%						
Sodium,7440-23-5†	75856.2	21.866 mg/L	0.0570	21.866 mg/L	0.0570	0.26%
QC value within limits for Sodium,7440-23-5 Recovery = 109.33%						
Strontium,7440-24-6†	158804.0	0.5555 mg/L	0.00157	0.5555 mg/L	0.00157	0.28%
QC value greater than the upper limit for Strontium,7440-24-6 Recovery = 111.10%						
Thallium,7440-28-0†	961.3	0.5485 mg/L	0.00079	0.5485 mg/L	0.00079	0.14%
QC value within limits for Thallium,7440-28-0 Recovery = 109.70%						
Tin,7440-31-5†	2329.6	0.5520 mg/L	0.00358	0.5520 mg/L	0.00358	0.65%
QC value within limits for Tin,7440-31-5 Recovery = 110.41%						
Titanium,7440-32-6†	245852.2	0.5243 mg/L	0.00219	0.5243 mg/L	0.00219	0.42%
QC value within limits for Titanium,7440-32-6 Recovery = 104.86%						
Vanadium,7440-62-2†	56721.1	0.5401 mg/L	0.00332	0.5401 mg/L	0.00332	0.61%
QC value within limits for Vanadium,7440-62-2 Recovery = 108.01%						
Zinc,7440-66-6†	36817.4	0.5451 mg/L	0.00325	0.5451 mg/L	0.00325	0.60%
QC value within limits for Zinc,7440-66-6 Recovery = 109.02%						
Zirconium,7440-67-7†	167267.2	0.5138 mg/L	0.00309	0.5138 mg/L	0.00309	0.60%
QC value within limits for Zirconium,7440-67-7 Recovery = 102.75%						

QC Failed. Continue with analysis.

Sequence No.: 66
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:

Autosampler Location: 7
Date Collected: 8/9/2006 5:16:17 PM
Data Type: Reprocessed on 8/10/2006 8:26:05 AM

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
Scandium-IS	3285259.1	113.56	%	0.921				0.81%
Yttrium,7440-65-5A	1766626.3	111.69	%	0.890				0.80%
Yttrium,7440-65-5R	108593.3	118.62	%	1.261				1.06%
Ar 420.067 R	1856235.6	109.85	%	0.598				0.54%
Ar 363.268 A	49475.9	98.799	%	0.1291				0.13%
Aluminum,7429-90-5†	1483.7	5.1770	mg/L	0.04719	5.1770	mg/L	0.04719	0.91%
QC value within limits for Aluminum,7429-90-5 Recovery = 103.54%								
Antimony,7440-36-0†	860.0	0.5412	mg/L	0.00374	0.5412	mg/L	0.00374	0.69%
QC value within limits for Antimony,7440-36-0 Recovery = 108.25%								
Arsenic,7440-38-2†	554.2	0.5452	mg/L	0.00508	0.5452	mg/L	0.00508	0.93%
QC value within limits for Arsenic,7440-38-2 Recovery = 109.04%								
Barium,7440-39-3†	48448.3	0.5313	mg/L	0.00913	0.5313	mg/L	0.00913	1.72%
QC value within limits for Barium,7440-39-3 Recovery = 106.26%								
Beryllium,7440-41-7†	1452672.5	0.5355	mg/L	0.00184	0.5355	mg/L	0.00184	0.34%
QC value within limits for Beryllium,7440-41-7 Recovery = 107.10%								
Boron,7440-42-8†	71578.0	2.6926	mg/L	0.03560	2.6926	mg/L	0.03560	1.32%
QC value within limits for Boron,7440-42-8 Recovery = 107.71%								
Cadmium,7440-43-9†	54111.4	0.5492	mg/L	0.00778	0.5492	mg/L	0.00778	1.42%
QC value within limits for Cadmium,7440-43-9 Recovery = 109.84%								
Calcium,7440-70-2†	11433.3	5.6709	mg/L	0.05614	5.6709	mg/L	0.05614	0.99%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 113.42%								
Chromium,7440-47-3†	49767.6	0.5330	mg/L	0.00778	0.5330	mg/L	0.00778	1.46%
QC value within limits for Chromium,7440-47-3 Recovery = 106.61%								
Cobalt,7440-48-4†	13916.2	0.5438	mg/L	0.00949	0.5438	mg/L	0.00949	1.75%
QC value within limits for Cobalt,7440-48-4 Recovery = 108.77%								
Copper,7440-50-8†	87438.3	0.5176	mg/L	0.00840	0.5176	mg/L	0.00840	1.62%
QC value within limits for Copper,7440-50-8 Recovery = 103.52%								
Iron,7439-89-6†	5563.1	5.4595	mg/L	0.04781	5.4595	mg/L	0.04781	0.88%
QC value within limits for Iron,7439-89-6 Recovery = 109.19%								
Lead,7439-92-1†	4930.3	0.5404	mg/L	0.00679	0.5404	mg/L	0.00679	1.26%
QC value within limits for Lead,7439-92-1 Recovery = 108.07%								
Lithium,7439-93-2†	44106.0	0.5227	mg/L	0.00222	0.5227	mg/L	0.00222	0.43%
QC value within limits for Lithium,7439-93-2 Recovery = 104.53%								
Magnesium,7439-95-4†	1692.7	5.7261	mg/L	0.03030	5.7261	mg/L	0.03030	0.53%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 114.52%								
Manganese,7439-96-5†	239154.0	0.5300	mg/L	0.00775	0.5300	mg/L	0.00775	1.46%
QC value within limits for Manganese,7439-96-5 Recovery = 105.99%								
Molybdenum,7439-98-7†	6750.6	0.5276	mg/L	0.00358	0.5276	mg/L	0.00358	0.68%
QC value within limits for Molybdenum,7439-98-7 Recovery = 105.51%								
Nickel,7440-02-0†	18511.2	0.5471	mg/L	0.00820	0.5471	mg/L	0.00820	1.50%
QC value within limits for Nickel,7440-02-0 Recovery = 109.42%								
Potassium,7440-09-7†	22984.5	10.417	mg/L	0.0555	10.417	mg/L	0.0555	0.53%
QC value within limits for Potassium,7440-09-7 Recovery = 104.17%								
Selenium,7782-49-2†	636.3	0.5482	mg/L	0.00569	0.5482	mg/L	0.00569	1.04%
QC value within limits for Selenium,7782-49-2 Recovery = 109.65%								
Silicon,7440-21-3†	154.9	0.5249	mg/L	0.00335	0.5249	mg/L	0.00335	0.64%
QC value within limits for Silicon,7440-21-3 Recovery = 104.98%								
Silver,7440-22-4†	107587.2	0.5109	mg/L	0.00780	0.5109	mg/L	0.00780	1.53%
QC value within limits for Silver,7440-22-4 Recovery = 102.18%								
Sodium,7440-23-5†	73712.1	21.247	mg/L	0.0552	21.247	mg/L	0.0552	0.26%
QC value within limits for Sodium,7440-23-5 Recovery = 106.24%								
Strontium,7440-24-6†	156704.6	0.5482	mg/L	0.00926	0.5482	mg/L	0.00926	1.69%
QC value within limits for Strontium,7440-24-6 Recovery = 109.63%								
Thallium,7440-28-0†	950.5	0.5424	mg/L	0.00354	0.5424	mg/L	0.00354	0.65%
QC value within limits for Thallium,7440-28-0 Recovery = 108.47%								
Tin,7440-31-5†	2326.1	0.5512	mg/L	0.00399	0.5512	mg/L	0.00399	0.72%
QC value within limits for Tin,7440-31-5 Recovery = 110.24%								
Titanium,7440-32-6†	245302.4	0.5231	mg/L	0.00121	0.5231	mg/L	0.00121	0.23%
QC value within limits for Titanium,7440-32-6 Recovery = 104.62%								
Vanadium,7440-62-2†	55884.0	0.5321	mg/L	0.00845	0.5321	mg/L	0.00845	1.59%
QC value within limits for Vanadium,7440-62-2 Recovery = 106.42%								
Zinc,7440-66-6†	36447.8	0.5396	mg/L	0.00772	0.5396	mg/L	0.00772	1.43%
QC value within limits for Zinc,7440-66-6 Recovery = 107.92%								
Zirconium,7440-67-7†	167428.4	0.5143	mg/L	0.00746	0.5143	mg/L	0.00746	1.45%
QC value within limits for Zirconium,7440-67-7 Recovery = 102.85%								

QC Failed. Continue with analysis.

001570

168031

Sequence No.: 67
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/9/2006 5:23:31 PM
Data Type: Reprocessed on 8/10/2006 8:26:12 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3251576.0	112.39	%	0.879				0.78%
Yttrium,7440-65-5A	1777029.0	112.34	%	0.759				0.68%
Yttrium,7440-65-5R	108873.2	118.92	%	0.993				0.84%
Ar 420.067 R	1849354.8	109.45	%	0.449				0.41%
Ar 363.268 A	50098.6	100.04	%	0.309				0.31%
Aluminum,7429-90-5†	6.3	0.0220	mg/L	0.02364	0.0220	mg/L	0.02364	107.40%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-3.6	-0.0022	mg/L	0.00113	-0.0022	mg/L	0.00113	50.48%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	4.8	0.0047	mg/L	0.00348	0.0047	mg/L	0.00348	74.01%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	15.8	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	103.97%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-263.3	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	44.67%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1041.2	0.0392	mg/L	0.00406	0.0392	mg/L	0.00406	10.35%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-15.9	-0.0002	mg/L	0.00020	-0.0002	mg/L	0.00020	127.24%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-0.1	0.0000	mg/L	0.00498	0.0000	mg/L	0.00498	>999.9%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-5.2	-0.0001	mg/L	0.00050	-0.0001	mg/L	0.00050	906.52%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	-0.1	0.0000	mg/L	0.00021	0.0000	mg/L	0.00021	>999.9%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	29.9	0.0002	mg/L	0.00051	0.0002	mg/L	0.00051	290.31%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-5.9	-0.0058	mg/L	0.00217	-0.0058	mg/L	0.00217	37.37%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-9.6	-0.0011	mg/L	0.00036	-0.0011	mg/L	0.00036	33.70%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	109.4	0.0013	mg/L	0.00130	0.0013	mg/L	0.00130	100.22%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-12.8	-0.0433	mg/L	0.03306	-0.0433	mg/L	0.03306	76.30%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	9.7	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	215.84%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	3.7	0.0003	mg/L	0.00040	0.0003	mg/L	0.00040	139.21%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-30.9	-0.0009	mg/L	0.00035	-0.0009	mg/L	0.00035	38.56%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	153.6	0.0697	mg/L	0.04712	0.0697	mg/L	0.04712	67.62%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-2.1	-0.0018	mg/L	0.00399	-0.0018	mg/L	0.00399	219.89%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	3.4	0.0115	mg/L	0.01303	0.0115	mg/L	0.01303	113.34%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	125.7	0.0006	mg/L	0.00041	0.0006	mg/L	0.00041	68.94%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	-1389.7	-0.4014	mg/L	0.00394	-0.4014	mg/L	0.00394	0.98%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	22.5	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	210.84%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	5.4	0.0030	mg/L	0.00497	0.0030	mg/L	0.00497	163.07%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	-0.1	0.0000	mg/L	0.00118	0.0000	mg/L	0.00118	>999.9%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	105.5	0.0002	mg/L	0.00040	0.0002	mg/L	0.00040	176.88%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								

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Vanadium,7440-62-2†	143.1	0.0014 mg/L	0.00089	0.0014 mg/L	0.00089	65.54%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-192.9	-0.0028 mg/L	0.00019	-0.0028 mg/L	0.00019	6.62%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	70.7	0.0002 mg/L	0.00029	0.0002 mg/L	0.00029	132.39%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 68
Sample ID: 20608045215
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

R|RAJW 8-10-06

Autosampler Location: 67
Date Collected: 8/9/2006 5:30:57 PM
Data Type: Reprocessed on 8/10/2006 8:26:14 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045215

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3071935.4	106.18	%	0.548				0.52%
Yttrium,7440-65-5A	1680899.9	106.27	%	0.529				0.50%
Yttrium,7440-65-5R	107197.3	117.09	%	0.823				0.70%
Ar 420.067 R	1791849.1	106.04	%	0.324				0.31%
Ar 363.268 A	42587.5	85.044	%	0.1922				0.23%
Aluminum,7429-90-5†	7664.6	26.704	mg/L	0.2700	1068.2	mg/kg	10.80	1.01%
Antimony,7440-36-0†	-262.6	-0.1406	mg/L	0.00481	-5.6243	mg/kg	0.19242	3.42%
Arsenic,7440-38-2†	-204.4	-0.0634	mg/L	0.00725	-2.5379	mg/kg	0.28985	11.42%
Barium,7440-39-3†	263216.0	2.8902	mg/L	0.00169	115.61	mg/kg	0.068	0.06%
Beryllium,7440-41-7†	3682.6	0.0003	mg/L	0.00002	0.0113	mg/kg	0.00092	8.15%
Boron,7440-42-8†	1267.2	-0.5527	mg/L	0.00219	-22.107	mg/kg	0.0876	0.40%
Cadmium,7440-43-9†	2745.9	0.0195	mg/L	0.00022	0.7787	mg/kg	0.00872	1.12%
Calcium,7440-70-2†	738155.4	365.88	mg/L	1.795	14635	mg/kg	71.8	0.49%
Chromium,7440-47-3†	71206.0	0.5975	mg/L	0.00316	23.900	mg/kg	0.1264	0.53%
Cobalt,7440-48-4†	2041.5	0.0769	mg/L	0.00025	3.0780	mg/kg	0.00985	0.32%
Copper,7440-50-8†	120065.9	0.7157	mg/L	0.00033	28.628	mg/kg	0.0131	0.05%
Iron,7439-89-6†	685118.4	672.23	mg/L	0.413	26889	mg/kg	16.5	0.06%
Lead,7439-92-1†	39544.8	4.4776	mg/L	0.00750	179.10	mg/kg	0.300	0.17%
Lithium,7439-93-2†	3841.5	0.0411	mg/L	0.00040	1.6441	mg/kg	0.01617	0.98%
Magnesium,7439-95-4†	8974.7	30.182	mg/L	0.4614	1207.3	mg/kg	18.46	1.53%
Manganese,7439-96-5†	2888101.4	6.3977	mg/L	0.00291	255.91	mg/kg	0.116	0.05%
Molybdenum,7439-98-7†	599.0	0.0528	mg/L	0.00100	2.1126	mg/kg	0.04011	1.90%
Nickel,7440-02-0†	9682.5	0.2817	mg/L	0.00259	11.267	mg/kg	0.1035	0.92%
Potassium,7440-09-7†	17194.1	7.6773	mg/L	0.04784	307.09	mg/kg	1.913	0.62%
Selenium,7782-49-2†	-435.9	-0.2032	mg/L	0.00230	-8.1273	mg/kg	0.09189	1.13%
Silicon,7440-21-3†	4488.8	15.258	mg/L	0.1928	610.30	mg/kg	7.711	1.26%
Silver,7440-22-4†	-39115.6	-0.1413	mg/L	0.00130	-5.6513	mg/kg	0.05213	0.92%
Sodium,7440-23-5†	12172.9	2.7778	mg/L	0.01298	111.11	mg/kg	0.519	0.47%
Strontium,7440-24-6†	476550.0	1.6676	mg/L	0.00596	66.702	mg/kg	0.2384	0.36%
Thallium,7440-28-0†	-53.0	-0.0155	mg/L	0.00388	-0.6220	mg/kg	0.15535	24.98%
Tin,7440-31-5†	163.3	0.0357	mg/L	0.00169	1.4283	mg/kg	0.06765	4.74%
Titanium,7440-32-6†	157685.0	0.3354	mg/L	0.00202	13.417	mg/kg	0.0808	0.60%
Vanadium,7440-62-2†	24940.8	0.2384	mg/L	0.00095	9.5358	mg/kg	0.03785	0.40%
Zinc,7440-66-6†	833047.7	12.315	mg/L	0.0061	492.60	mg/kg	0.243	0.05%
Zirconium,7440-67-7†	13988.4	0.0327	mg/L	0.00024	1.3080	mg/kg	0.00959	0.73%

Sequence No.: 69
Sample ID: 399319
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

R|RAJW 8-10-06

Autosampler Location: 68
Date Collected: 8/9/2006 5:37:05 PM
Data Type: Reprocessed on 8/10/2006 8:26:15 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 399319

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3275629.7	113.23	%	0.974				0.86%
Yttrium,7440-65-5A	1781764.4	112.64	%	0.875				0.78%
Yttrium,7440-65-5R	111246.0	121.51	%	1.258				1.04%
Ar 420.067 R	1655324.4	109.80	%	0.319				0.29%

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Ar 363.268 A	49618.8	99.085 %	0.1809			0.18%
Aluminum,7429-90-5†	12.7	0.0442 mg/L	0.02500	0.0442 mg/L	0.02500	56.59%
Antimony,7440-36-0†	-7.5	-0.0046 mg/L	0.00161	-0.0046 mg/L	0.00161	34.75%
Arsenic,7440-38-2†	5.4	0.0053 mg/L	0.00138	0.0053 mg/L	0.00138	26.12%
Barium,7440-39-3†	28.0	0.0003 mg/L	0.00012	0.0003 mg/L	0.00012	39.97%
Beryllium,7440-41-7†	-323.0	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	14.26%
Boron,7440-42-8†	99.3	0.0037 mg/L	0.00258	0.0037 mg/L	0.00258	69.53%
Cadmium,7440-43-9†	-21.0	-0.0002 mg/L	0.00004	-0.0002 mg/L	0.00004	19.40%
Calcium,7440-70-2†	170.3	0.0844 mg/L	0.00498	0.0844 mg/L	0.00498	5.90%
Chromium,7440-47-3†	-21.8	-0.0002 mg/L	0.00052	-0.0002 mg/L	0.00052	217.26%
Cobalt,7440-48-4†	0.6	0.0000 mg/L	0.00037	0.0000 mg/L	0.00037	>999.9%
Copper,7440-50-8†	2.1	0.0000 mg/L	0.00018	0.0000 mg/L	0.00018	>999.9%
Iron,7439-89-6†	28.0	0.0275 mg/L	0.00541	0.0275 mg/L	0.00541	19.68%
Lead,7439-92-1†	-10.7	-0.0012 mg/L	0.00107	-0.0012 mg/L	0.00107	92.34%
Lithium,7439-93-2†	49.5	0.0006 mg/L	0.00103	0.0006 mg/L	0.00103	175.33%
Magnesium,7439-95-4†	-10.3	-0.0348 mg/L	0.01414	-0.0348 mg/L	0.01414	40.69%
Manganese,7439-96-5†	185.8	0.0004 mg/L	0.00013	0.0004 mg/L	0.00013	31.13%
Molybdenum,7439-98-7†	6.4	0.0005 mg/L	0.00063	0.0005 mg/L	0.00063	126.58%
Nickel,7440-02-0†	-23.9	-0.0007 mg/L	0.00012	-0.0007 mg/L	0.00012	17.42%
Potassium,7440-09-7†	81.2	0.0368 mg/L	0.06900	0.0368 mg/L	0.06900	187.33%
Selenium,7782-49-2†	-12.4	-0.0106 mg/L	0.00799	-0.0106 mg/L	0.00799	75.05%
Silicon,7440-21-3†	1.9	0.0064 mg/L	0.02890	0.0064 mg/L	0.02890	450.08%
Silver,7440-22-4†	125.0	0.0006 mg/L	0.00086	0.0006 mg/L	0.00086	145.73%
Sodium,7440-23-5†	-1474.8	-0.4260 mg/L	0.02162	-0.4260 mg/L	0.02162	5.07%
Strontium,7440-24-6†	-97.5	-0.0003 mg/L	0.00025	-0.0003 mg/L	0.00025	73.40%
Thallium,7440-28-0†	-0.5	-0.0003 mg/L	0.00275	-0.0003 mg/L	0.00275	886.28%
Tin,7440-31-5†	-6.5	-0.0015 mg/L	0.00047	-0.0015 mg/L	0.00047	30.52%
Titanium,7440-32-6†	-6.3	0.0000 mg/L	0.00014	0.0000 mg/L	0.00014	>999.9%
Vanadium,7440-62-2†	165.7	0.0016 mg/L	0.00025	0.0016 mg/L	0.00025	15.79%
Zinc,7440-66-6†	35.5	0.0005 mg/L	0.00003	0.0005 mg/L	0.00003	4.75%
Zirconium,7440-67-7†	-53.7	-0.0002 mg/L	0.00027	-0.0002 mg/L	0.00027	162.10%

Sequence No.: 70
Sample ID: 399320
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

R|RAJW
8-10-06

Autosampler Location: 69
Date Collected: 8/9/2006 5:44:15 PM
Data Type: Reprocessed on 8/10/2006 8:26:17 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 399320

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3227850.5	111.57	%	1.069				0.96%
Yttrium,7440-65-5A	1739836.6	109.99	%	1.015				0.92%
Yttrium,7440-65-5R	107816.0	117.77	%	0.784				0.67%
Ar 420.067 R	1846697.1	109.29	%	0.153				0.14%
Ar 363.268 A	49877.3	99.601	%	0.3165				0.32%
Aluminum,7429-90-5†	1643.4	5.7341	mg/L	0.06752	5.7341	mg/L	0.06752	1.18%
Antimony,7440-36-0†	955.1	0.6008	mg/L	0.00138	0.6008	mg/L	0.00138	0.23%
Arsenic,7440-38-2†	609.1	0.5993	mg/L	0.00811	0.5993	mg/L	0.00811	1.35%
Barium,7440-39-3†	52341.6	0.5740	mg/L	0.00342	0.5740	mg/L	0.00342	0.60%
Beryllium,7440-41-7†	1556805.2	0.5739	mg/L	0.00137	0.5739	mg/L	0.00137	0.24%
Boron,7440-42-8†	76681.4	2.8845	mg/L	0.02049	2.8845	mg/L	0.02049	0.71%
Cadmium,7440-43-9†	58172.7	0.5904	mg/L	0.00310	0.5904	mg/L	0.00310	0.53%
Calcium,7440-70-2†	12680.5	6.2894	mg/L	0.07486	6.2894	mg/L	0.07486	1.19%
Chromium,7440-47-3†	53614.2	0.5742	mg/L	0.00277	0.5742	mg/L	0.00277	0.48%
Cobalt,7440-48-4†	15049.5	0.5881	mg/L	0.00177	0.5881	mg/L	0.00177	0.30%
Copper,7440-50-8†	95117.1	0.5630	mg/L	0.00340	0.5630	mg/L	0.00340	0.60%
Iron,7439-89-6†	6161.1	6.0464	mg/L	0.07308	6.0464	mg/L	0.07308	1.21%
Lead,7439-92-1†	5416.8	0.5937	mg/L	0.00344	0.5937	mg/L	0.00344	0.58%
Lithium,7439-93-2†	46899.8	0.5558	mg/L	0.00204	0.5558	mg/L	0.00204	0.37%
Magnesium,7439-95-4†	1846.3	6.2455	mg/L	0.05280	6.2455	mg/L	0.05280	0.85%
Manganese,7439-96-5†	257891.4	0.5715	mg/L	0.00327	0.5715	mg/L	0.00327	0.57%
Molybdenum,7439-98-7†	7468.5	0.5837	mg/L	0.00288	0.5837	mg/L	0.00288	0.49%
Nickel,7440-02-0†	19872.1	0.5873	mg/L	0.00024	0.5873	mg/L	0.00024	0.04%
Potassium,7440-09-7†	24987.0	11.325	mg/L	0.0076	11.325	mg/L	0.0076	0.07%
Selenium,7782-49-2†	701.7	0.6047	mg/L	0.00314	0.6047	mg/L	0.00314	0.52%
Silicon,7440-21-3†	177.0	0.5999	mg/L	0.02171	0.5999	mg/L	0.02171	3.62%
Silver,7440-22-4†	116005.6	0.5509	mg/L	0.00389	0.5509	mg/L	0.00389	0.71%
Sodium,7440-23-5†	80114.8	23.093	mg/L	0.0425	23.093	mg/L	0.0425	0.18%

001573

Strontium,7440-24-6†	169353.4	0.5924 mg/L	0.01085	0.5924 mg/L	0.01085	1.83%
Thallium,7440-28-0†	1043.6	0.5955 mg/L	0.00284	0.5955 mg/L	0.00284	0.48%
Tin,7440-31-5†	2584.8	0.6125 mg/L	0.00420	0.6125 mg/L	0.00420	0.69%
Titanium,7440-32-6†	268332.6	0.5722 mg/L	0.00247	0.5722 mg/L	0.00247	0.43%
Vanadium,7440-62-2†	60063.0	0.5719 mg/L	0.00152	0.5719 mg/L	0.00152	0.27%
Zinc,7440-66-6†	39045.8	0.5781 mg/L	0.00356	0.5781 mg/L	0.00356	0.62%
Zirconium,7440-67-7†	1493.0	0.0057 mg/L	0.00048	0.0057 mg/L	0.00048	8.48%

Sequence No.: 71
Sample ID: 20608042410
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

R/R@5X
AJW
8-10-06

Autosampler Location: 70
Date Collected: 8/9/2006 5:51:28 PM
Data Type: Reprocessed on 8/10/2006 8:26:18 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042410

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2649441.8	91.581	%	0.6078				0.66%
Yttrium,7440-65-5A	1428905.7	90.336	%	0.5968				0.66%
Yttrium,7440-65-5R	105533.0	115.27	%	0.538				0.47%
Ar 420.067 R	1518753.5	89.882	%	0.3369				0.37%
Ar 363.268 A	43328.6	86.524	%	0.3313				0.38%
Aluminum,7429-90-5†	164.9	0.5655	mg/L	0.02437	0.5655	mg/L	0.02437	4.31%
Antimony,7440-36-0†	-15.4	0.0128	mg/L	0.00580	0.0128	mg/L	0.00580	45.25%
Arsenic,7440-38-2†	18.0	-0.0118	mg/L	0.00676	-0.0118	mg/L	0.00676	57.17%
Barium,7440-39-3†	12419.7	0.1387	mg/L	0.00078	0.1387	mg/L	0.00078	0.57%
Beryllium,7440-41-7†	-4494.0	-0.0004	mg/L	0.00002	-0.0004	mg/L	0.00002	5.13%
Boron,7440-42-8†	62262.2	2.3414	mg/L	0.00963	2.3414	mg/L	0.00963	0.41%
Cadmium,7440-43-9†	-127.0	-0.0073	mg/L	0.00007	-0.0073	mg/L	0.00007	0.90%
Calcium,7440-70-2†	2490055.5	1233.8	mg/L	3.96	1233.8	mg/L	3.96	0.32%
Chromium,7440-47-3†	267.7	0.0349	mg/L	0.00010	0.0349	mg/L	0.00010	0.30%
Cobalt,7440-48-4†	12.0	-0.0024	mg/L	0.00049	-0.0024	mg/L	0.00049	20.86%
Copper,7440-50-8†	-2105.6	-0.0359	mg/L	0.00022	-0.0359	mg/L	0.00022	0.61%
Iron,7439-89-6†	29840.4	29.171	mg/L	0.1291	29.171	mg/L	0.1291	0.44%
Lead,7439-92-1†	-70.2	0.0050	mg/L	0.00082	0.0050	mg/L	0.00082	16.31%
Lithium,7439-93-2†	29730.5	0.3406	mg/L	0.00499	0.3406	mg/L	0.00499	1.46%
Magnesium,7439-95-4†	456897.3	1545.7	mg/L	1.88	1545.7	mg/L	1.88	0.12%
Manganese,7439-96-5†	1264647.0	2.7945	mg/L	0.01502	2.7945	mg/L	0.01502	0.54%
Molybdenum,7439-98-7†	-70.0	-0.0071	mg/L	0.00102	-0.0071	mg/L	0.00102	14.43%
Nickel,7440-02-0†	16.4	-0.0013	mg/L	0.00057	-0.0013	mg/L	0.00057	42.37%
Potassium,7440-09-7†	424549.4	192.06	mg/L	1.032	192.06	mg/L	1.032	0.54%
Selenium,7782-49-2†	-14.8	-0.0225	mg/L	0.00395	-0.0225	mg/L	0.00395	17.55%
Silicon,7440-21-3†	7371.5	24.962	mg/L	0.1351	24.962	mg/L	0.1351	0.54%
Silver,7440-22-4†	4647.7	0.0243	mg/L	0.00092	0.0243	mg/L	0.00092	3.81%
Sodium,7440-23-5†	Saturated3							
Strontium,7440-24-6†	4148140.8	14.512	mg/L	0.0398	14.512	mg/L	0.0398	0.27%
Thallium,7440-28-0†	-67.1	-0.0002	mg/L	0.00221	-0.0002	mg/L	0.00221	>999.9%
Tin,7440-31-5†	-102.5	-0.0059	mg/L	0.00033	-0.0059	mg/L	0.00033	5.54%
Titanium,7440-32-6†	9949.0	0.0212	mg/L	0.00383	0.0212	mg/L	0.00383	18.08%
Vanadium,7440-62-2†	-363.7	-0.0052	mg/L	0.00023	-0.0052	mg/L	0.00023	4.29%
Zinc,7440-66-6†	408.9	0.0177	mg/L	0.00040	0.0177	mg/L	0.00040	2.29%
Zirconium,7440-67-7†	1439.9	0.0040	mg/L	0.00116	0.0040	mg/L	0.00116	29.06%

Sequence No.: 72
Sample ID: 20608042424
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

R/R@5X
AJW
8-10-06

Autosampler Location: 71
Date Collected: 8/9/2006 5:58:38 PM
Data Type: Reprocessed on 8/10/2006 8:26:20 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042424

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2600893.2	89.902	%	0.1259				0.14%
Yttrium,7440-65-5A	1405766.8	88.873	%	0.0900				0.10%
Yttrium,7440-65-5R	105854.2	115.62	%	0.433				0.37%
Ar 420.067 R	1522646.2	90.112	%	0.2347				0.26%

Ar 363.268 A	43682.4	87.230 %	0.1488			0.17%
Aluminum,7429-90-5†	2250.0	7.8396 mg/L	0.11999	7.8396 mg/L	0.11999	1.53%
Antimony,7440-36-0†	1120.3	0.7257 mg/L	0.00971	0.7257 mg/L	0.00971	1.34%
Arsenic,7440-38-2†	778.0	0.7353 mg/L	0.00851	0.7353 mg/L	0.00851	1.16%
Barium,7440-39-3†	65817.0	0.7243 mg/L	0.00238	0.7243 mg/L	0.00238	0.33%
Beryllium,7440-41-7†	1612923.5	0.5958 mg/L	0.00136	0.5958 mg/L	0.00136	0.23%
Boron,7440-42-8†	152490.6	5.7353 mg/L	0.03813	5.7353 mg/L	0.03813	0.66%
Cadmium,7440-43-9†	58809.9	0.5906 mg/L	0.00269	0.5906 mg/L	0.00269	0.46%
Calcium,7440-70-2†	2571429.3	1274.1 mg/L	8.47	1274.1 mg/L	8.47	0.66%
Chromium,7440-47-3†	53864.2	0.6098 mg/L	0.00238	0.6098 mg/L	0.00238	0.39%
Cobalt,7440-48-4†	14211.4	0.5522 mg/L	0.00083	0.5522 mg/L	0.00083	0.15%
Copper,7440-50-8†	108922.7	0.6202 mg/L	0.00272	0.6202 mg/L	0.00272	0.44%
Iron,7439-89-6†	37711.7	36.892 mg/L	0.6578	36.892 mg/L	0.6578	1.78%
Lead,7439-92-1†	5087.6	0.5709 mg/L	0.00478	0.5709 mg/L	0.00478	0.84%
Lithium,7439-93-2†	108930.4	1.2789 mg/L	0.00585	1.2789 mg/L	0.00585	0.46%
Magnesium,7439-95-4†	474441.5	1605.1 mg/L	10.66	1605.1 mg/L	10.66	0.66%
Manganese,7439-96-5†	1528610.5	3.3792 mg/L	0.01084	3.3792 mg/L	0.01084	0.32%
Molybdenum,7439-98-7†	7720.2	0.6016 mg/L	0.00464	0.6016 mg/L	0.00464	0.77%
Nickel,7440-02-0†	18676.5	0.5501 mg/L	0.00335	0.5501 mg/L	0.00335	0.61%
Potassium,7440-09-7†	477047.7	215.85 mg/L	1.255	215.85 mg/L	1.255	0.58%
Selenium,7782-49-2†	869.9	0.7394 mg/L	0.00386	0.7394 mg/L	0.00386	0.52%
Silicon,7440-21-3†	7730.8	26.179 mg/L	0.6235	26.179 mg/L	0.6235	2.38%
Silver,7440-22-4†	154220.1	0.7357 mg/L	0.00285	0.7357 mg/L	0.00285	0.39%
Sodium,7440-23-5†	Saturated2					
Strontium,7440-24-6†	4406627.8	15.416 mg/L	0.1145	15.416 mg/L	0.1145	0.74%
Thallium,7440-28-0†	890.9	0.5483 mg/L	0.00936	0.5483 mg/L	0.00936	1.71%
Tin,7440-31-5†	2479.7	0.6065 mg/L	0.00537	0.6065 mg/L	0.00537	0.89%
Titanium,7440-32-6†	280852.4	0.5989 mg/L	0.00392	0.5989 mg/L	0.00392	0.65%
Vanadium,7440-62-2†	63619.5	0.6039 mg/L	0.00177	0.6039 mg/L	0.00177	0.29%
Zinc,7440-66-6†	46289.8	0.6969 mg/L	0.00222	0.6969 mg/L	0.00222	0.32%
Zirconium,7440-67-7†	2082.9	0.0071 mg/L	0.00020	0.0071 mg/L	0.00020	2.83%

Sequence No.: 73
Sample ID: 20608042425
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

R/R @5x
AJW
8-10-06

Autosampler Location: 72
Date Collected: 8/9/2006 6:05:06 PM
Data Type: Reprocessed on 8/10/2006 8:26:21 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20608042425

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2632872.8	91.008	%	0.9470				1.04%
Yttrium,7440-65-5A	1424339.4	90.048	%	0.8316				0.92%
Yttrium,7440-65-5R	106195.2	116.00	%	1.266				1.09%
Ar 420.067 R	1508429.4	89.271	%	0.1977				0.22%
Ar 363.268 A	43353.1	86.573	%	0.1329				0.15%
Aluminum,7429-90-5†	2285.4	7.9629	mg/L	0.15488	7.9629	mg/L	0.15488	1.94%
Antimony,7440-36-0†	1113.7	0.7220	mg/L	0.00542	0.7220	mg/L	0.00542	0.75%
Arsenic,7440-38-2†	775.6	0.7326	mg/L	0.01740	0.7326	mg/L	0.01740	2.38%
Barium,7440-39-3†	66151.1	0.7280	mg/L	0.00174	0.7280	mg/L	0.00174	0.24%
Beryllium,7440-41-7†	1609722.9	0.5947	mg/L	0.00159	0.5947	mg/L	0.00159	0.27%
Boron,7440-42-8†	155946.5	5.8652	mg/L	0.02281	5.8652	mg/L	0.02281	0.39%
Cadmium,7440-43-9†	58684.4	0.5892	mg/L	0.00185	0.5892	mg/L	0.00185	0.31%
Calcium,7440-70-2†	2619561.8	1298.0	mg/L	10.20	1298.0	mg/L	10.20	0.79%
Chromium,7440-47-3†	53732.4	0.6090	mg/L	0.00084	0.6090	mg/L	0.00084	0.14%
Cobalt,7440-48-4†	14011.3	0.5443	mg/L	0.00942	0.5443	mg/L	0.00942	1.73%
Copper,7440-50-8†	109071.8	0.6206	mg/L	0.00158	0.6206	mg/L	0.00158	0.26%
Iron,7439-89-6†	38628.0	37.789	mg/L	0.9743	37.789	mg/L	0.9743	2.58%
Lead,7439-92-1†	5034.1	0.5653	mg/L	0.01047	0.5653	mg/L	0.01047	1.85%
Lithium,7439-93-2†	110236.7	1.2942	mg/L	0.01589	1.2942	mg/L	0.01589	1.23%
Magnesium,7439-95-4†	484124.3	1637.8	mg/L	12.33	1637.8	mg/L	12.33	0.75%
Manganese,7439-96-5†	1566956.6	3.4640	mg/L	0.00877	3.4640	mg/L	0.00877	0.25%
Molybdenum,7439-98-7†	7681.9	0.5986	mg/L	0.01173	0.5986	mg/L	0.01173	1.96%
Nickel,7440-02-0†	18371.0	0.5410	mg/L	0.00822	0.5410	mg/L	0.00822	1.52%
Potassium,7440-09-7†	489434.2	221.45	mg/L	2.033	221.45	mg/L	2.033	0.92%
Selenium,7782-49-2†	870.6	0.7399	mg/L	0.00590	0.7399	mg/L	0.00590	0.80%
Silicon,7440-21-3†	7999.5	27.090	mg/L	0.6992	27.090	mg/L	0.6992	2.58%
Silver,7440-22-4†	154648.7	0.7378	mg/L	0.00222	0.7378	mg/L	0.00222	0.30%
Sodium,7440-23-5†	Saturated2							

Strontium,7440-24-6†	4577232.7	16.013 mg/L	0.0927	16.013 mg/L	0.0927	0.58%
Thallium,7440-28-0†	879.1	0.5424 mg/L	0.00715	0.5424 mg/L	0.00715	1.32%
Tin,7440-31-5†	2477.1	0.6062 mg/L	0.01314	0.6062 mg/L	0.01314	2.17%
Titanium,7440-32-6†	280264.6	0.5976 mg/L	0.00151	0.5976 mg/L	0.00151	0.25%
Vanadium,7440-62-2†	63165.6	0.5996 mg/L	0.00285	0.5996 mg/L	0.00285	0.48%
Zinc,7440-66-6†	46579.7	0.7014 mg/L	0.00204	0.7014 mg/L	0.00204	0.29%
Zirconium,7440-67-7†	1877.5	0.0064 mg/L	0.00042	0.0064 mg/L	0.00042	6.58%

Sequence No.: 74
Sample ID: 399413
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

RJR AJW @5X 8-10-06

Autosampler Location: 73
Date Collected: 8/9/2006 6:11:30 PM
Data Type: Reprocessed on 8/10/2006 8:26:24 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 399413

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	2589126.8	89.496	%	0.5681				0.63%
Yttrium,7440-65-5A	1400379.5	88.533	%	0.5142				0.58%
Yttrium,7440-65-5R	105377.6	115.10	%	0.964				0.84%
Ar 420.067 R	1519707.0	89.938	%	0.2226				0.25%
Ar 363.268 A	43937.0	87.739	%	0.4327				0.49%
Aluminum,7429-90-5†	2118.1	7.3793	mg/L	0.16900	7.3793	mg/L	0.16900	2.29%
Antimony,7440-36-0†	1020.6	0.6635	mg/L	0.01322	0.6635	mg/L	0.01322	1.99%
Arsenic,7440-38-2†	724.0	0.6825	mg/L	0.00864	0.6825	mg/L	0.00864	1.27%
Barium,7440-39-3†	61844.8	0.6807	mg/L	0.00138	0.6807	mg/L	0.00138	0.20%
Beryllium,7440-41-7†	1498744.2	0.5538	mg/L	0.00063	0.5538	mg/L	0.00063	0.11%
Boron,7440-42-8†	146939.9	5.5256	mg/L	0.02176	5.5256	mg/L	0.02176	0.39%
Cadmium,7440-43-9†	54344.3	0.5452	mg/L	0.00098	0.5452	mg/L	0.00098	0.18%
Calcium,7440-70-2†	2572052.2	1274.5	mg/L	4.13	1274.5	mg/L	4.13	0.32%
Chromium,7440-47-3†	49839.9	0.5670	mg/L	0.00097	0.5670	mg/L	0.00097	0.17%
Cobalt,7440-48-4†	13078.6	0.5079	mg/L	0.00746	0.5079	mg/L	0.00746	1.47%
Copper,7440-50-8†	100848.0	0.5721	mg/L	0.00109	0.5721	mg/L	0.00109	0.19%
Iron,7439-89-6†	38541.5	37.704	mg/L	0.6790	37.704	mg/L	0.6790	1.80%
Lead,7439-92-1†	4692.1	0.5278	mg/L	0.00588	0.5278	mg/L	0.00588	1.11%
Lithium,7439-93-2†	99598.7	1.1681	mg/L	0.00480	1.1681	mg/L	0.00480	0.41%
Magnesium,7439-95-4†	481585.0	1629.2	mg/L	4.86	1629.2	mg/L	4.86	0.30%
Manganese,7439-96-5†	1513882.6	3.3464	mg/L	0.00480	3.3464	mg/L	0.00480	0.14%
Molybdenum,7439-98-7†	7098.7	0.5530	mg/L	0.00561	0.5530	mg/L	0.00561	1.01%
Nickel,7440-02-0†	17133.4	0.5045	mg/L	0.00796	0.5045	mg/L	0.00796	1.58%
Potassium,7440-09-7†	463932.1	209.89	mg/L	0.295	209.89	mg/L	0.295	0.14%
Selenium,7782-49-2†	802.3	0.6814	mg/L	0.01545	0.6814	mg/L	0.01545	2.27%
Silicon,7440-21-3†	7843.0	26.559	mg/L	0.4700	26.559	mg/L	0.4700	1.77%
Silver,7440-22-4†	141973.4	0.6775	mg/L	0.00099	0.6775	mg/L	0.00099	0.15%
Sodium,7440-23-5†	Saturated2							
Strontium,7440-24-6†	4458408.2	15.597	mg/L	0.1246	15.597	mg/L	0.1246	0.80%
Thallium,7440-28-0†	805.6	0.5003	mg/L	0.00793	0.5003	mg/L	0.00793	1.59%
Tin,7440-31-5†	2262.3	0.5550	mg/L	0.00662	0.5550	mg/L	0.00662	1.19%
Titanium,7440-32-6†	259529.8	0.5534	mg/L	0.00152	0.5534	mg/L	0.00152	0.28%
Vanadium,7440-62-2†	58665.5	0.5567	mg/L	0.00162	0.5567	mg/L	0.00162	0.29%
Zinc,7440-66-6†	43000.3	0.6483	mg/L	0.00140	0.6483	mg/L	0.00140	0.22%
Zirconium,7440-67-7†	1754.5	0.0060	mg/L	0.00051	0.0060	mg/L	0.00051	8.62%

Sequence No.: 75
Sample ID: 399414
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

RJR@5X AJW 8-10-06

Autosampler Location: 74
Date Collected: 8/9/2006 6:17:53 PM
Data Type: Reprocessed on 8/10/2006 8:26:26 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 399414

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3145323.2	108.72	%	1.041				0.96%
Yttrium,7440-65-5A	1680474.0	106.24	%	1.134				1.07%
Yttrium,7440-65-5R	108859.1	118.91	%	0.253				0.21%
Ar 420.067 R	1840149.4	108.90	%	0.089				0.08%

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Ar 363.268 A	49479.1	98.806 %	0.4783			0.48%
Aluminum,7429-90-5†	34.8	0.1197 mg/L	0.02682	0.1197 mg/L	0.02682	22.40%
Antimony,7440-36-0†	-1.3	0.0035 mg/L	0.00611	0.0035 mg/L	0.00611	172.73%
Arsenic,7440-38-2†	19.4	0.0133 mg/L	0.00532	0.0133 mg/L	0.00532	40.04%
Barium,7440-39-3†	2622.5	0.0292 mg/L	0.00029	0.0292 mg/L	0.00029	0.98%
Beryllium,7440-41-7†	-1796.5	-0.0004 mg/L	0.00003	-0.0004 mg/L	0.00003	8.37%
Boron,7440-42-8†	14910.1	0.5611 mg/L	0.00497	0.5611 mg/L	0.00497	0.89%
Cadmium,7440-43-9†	-51.9	-0.0017 mg/L	0.00005	-0.0017 mg/L	0.00005	2.84%
Calcium,7440-70-2†	482290.8	238.97 mg/L	1.944	238.97 mg/L	1.944	0.81%
Chromium,7440-47-3†	-2.1	0.0063 mg/L	0.00059	0.0063 mg/L	0.00059	9.41%
Cobalt,7440-48-4†	0.4	-0.0005 mg/L	0.00024	-0.0005 mg/L	0.00024	46.40%
Copper,7440-50-8†	-2117.7	-0.0170 mg/L	0.00015	-0.0170 mg/L	0.00015	0.87%
Iron,7439-89-6†	5555.7	5.4303 mg/L	0.08714	5.4303 mg/L	0.08714	1.60%
Lead,7439-92-1†	-51.9	-0.0033 mg/L	0.00147	-0.0033 mg/L	0.00147	44.91%
Lithium,7439-93-2†	4171.0	0.0471 mg/L	0.00146	0.0471 mg/L	0.00146	3.09%
Magnesium,7439-95-4†	88584.5	299.69 mg/L	2.613	299.69 mg/L	2.613	0.87%
Manganese,7439-96-5†	264470.8	0.5845 mg/L	0.00324	0.5845 mg/L	0.00324	0.56%
Molybdenum,7439-98-7†	-16.1	-0.0016 mg/L	0.00058	-0.0016 mg/L	0.00058	37.27%
Nickel,7440-02-0†	-3.6	-0.0005 mg/L	0.00014	-0.0005 mg/L	0.00014	31.11%
Potassium,7440-09-7†	69609.5	31.476 mg/L	0.2040	31.476 mg/L	0.2040	0.65%
Selenium,7782-49-2†	-16.2	-0.0158 mg/L	0.00570	-0.0158 mg/L	0.00570	36.07%
Silicon,7440-21-3†	1305.5	4.4201 mg/L	0.07494	4.4201 mg/L	0.07494	1.70%
Silver,7440-22-4†	1186.4	0.0061 mg/L	0.00029	0.0061 mg/L	0.00029	4.84%
Sodium,7440-23-5†	Saturated2					
Strontium,7440-24-6†	726841.5	2.5428 mg/L	0.01893	2.5428 mg/L	0.01893	0.74%
Thallium,7440-28-0†	-14.6	-0.0010 mg/L	0.00143	-0.0010 mg/L	0.00143	149.48%
Tin,7440-31-5†	-37.0	-0.0052 mg/L	0.00037	-0.0052 mg/L	0.00037	7.23%
Titanium,7440-32-6†	2195.8	0.0047 mg/L	0.00022	0.0047 mg/L	0.00022	4.74%
Vanadium,7440-62-2†	-102.9	-0.0013 mg/L	0.00109	-0.0013 mg/L	0.00109	81.77%
Zinc,7440-66-6†	-439.7	-0.0042 mg/L	0.00026	-0.0042 mg/L	0.00026	6.17%
Zirconium,7440-67-7†	635.6	0.0019 mg/L	0.00012	0.0019 mg/L	0.00012	6.29%

Sequence No.: 76
Sample ID: 20608045201 Zn
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 2X

R/R ATW 8-10-06

Autosampler Location: 75
Date Collected: 8/9/2006 6:24:47 PM
Data Type: Reprocessed on 8/10/2006 8:26:27 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045201 Zn

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3598412.9	124.38	%	0.190				0.15%
Yttrium,7440-65-5A	1960008.2	123.91	%	0.099				0.08%
Yttrium,7440-65-5R	121530.9	132.75	%	1.143				0.86%
Ar 420.067 R	1913336.1	113.23	%	0.355				0.31%
Ar 363.268 A	48454.1	96.759	%	0.1589				0.16%
Aluminum,7429-90-5†	4862.4	16.946	mg/L	0.0373	1344.9	mg/kg	2.96	0.22%
Antimony,7440-36-0†	-114.1	-0.0612	mg/L	0.00821	-4.8557	mg/kg	0.65143	13.42%
Arsenic,7440-38-2†	-55.0	-0.0010	mg/L	0.00762	-0.0808	mg/kg	0.60504	748.76%
Barium,7440-39-3†	344514.0	3.7835	mg/L	0.01271	300.28	mg/kg	1.009	0.34%
Beryllium,7440-41-7†	4336.2	0.0009	mg/L	0.00002	0.0738	mg/kg	0.00193	2.62%
Boron,7440-42-8†	2499.7	-0.1406	mg/L	0.00218	-11.156	mg/kg	0.1733	1.55%
Cadmium,7440-43-9†	1540.1	0.0121	mg/L	0.00014	0.9635	mg/kg	0.01073	1.11%
Calcium,7440-70-2†	388811.9	192.70	mg/L	1.996	15294	mg/kg	158.4	1.04%
Chromium,7440-47-3†	27091.9	0.2257	mg/L	0.00082	17.913	mg/kg	0.0651	0.36%
Cobalt,7440-48-4†	538.7	0.0197	mg/L	0.00055	1.5665	mg/kg	0.04394	2.81%
Copper,7440-50-8†	67899.6	0.4036	mg/L	0.00146	32.031	mg/kg	0.1155	0.36%
Iron,7439-89-6†	269092.2	264.03	mg/L	2.761	20955	mg/kg	219.1	1.05%
Lead,7439-92-1†	6061.8	0.7222	mg/L	0.00424	57.319	mg/kg	0.3366	0.59%
Lithium,7439-93-2†	2047.3	0.0223	mg/L	0.00077	1.7724	mg/kg	0.06109	3.45%
Magnesium,7439-95-4†	5707.3	19.239	mg/L	0.1385	1526.9	mg/kg	10.99	0.72%
Manganese,7439-96-5†	1273896.5	2.8220	mg/L	0.00984	223.97	mg/kg	0.781	0.35%
Molybdenum,7439-98-7†	305.5	0.0262	mg/L	0.00072	2.0792	mg/kg	0.05710	2.75%
Nickel,7440-02-0†	3658.1	0.1065	mg/L	0.00059	8.4522	mg/kg	0.04698	0.56%
Potassium,7440-09-7†	9153.5	4.0938	mg/L	0.05029	324.91	mg/kg	3.991	1.23%
Selenium,7782-49-2†	-156.7	-0.0665	mg/L	0.00650	-5.2790	mg/kg	0.51578	9.77%
Silicon,7440-21-3†	2086.0	7.0881	mg/L	0.05436	562.55	mg/kg	4.315	0.77%
Silver,7440-22-4†	-16973.7	-0.0634	mg/L	0.00059	-5.0334	mg/kg	0.04710	0.94%
Sodium,7440-23-5†	45436.4	12.799	mg/L	0.1083	1015.8	mg/kg	8.60	0.85%

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Strontium,7440-24-6†	131191.1	0.4592	mg/L	0.00378	36.446	mg/kg	0.3002	0.82%
Thallium,7440-28-0†	-34.2	-0.0106	mg/L	0.00073	-0.8395	mg/kg	0.05757	6.86%
Tin,7440-31-5†	41.9	0.0094	mg/L	0.00133	0.7441	mg/kg	0.10592	14.23%
Titanium,7440-32-6†	270979.4	0.5775	mg/L	0.00164	45.837	mg/kg	0.1305	0.28%
Vanadium,7440-62-2†	11867.3	0.1133	mg/L	0.00024	8.9886	mg/kg	0.01868	0.21%
Zinc,7440-66-6†	716349.9	10.584	mg/L	0.0321	840.01	mg/kg	2.548	0.30%
Zirconium,7440-67-7†	12554.3	0.0355	mg/L	0.00073	2.8174	mg/kg	0.05787	2.05%

Sequence No.: 77
Sample ID: 20608045202 Sr
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 2X

R|RAJW
8-10-06

Autosampler Location: 76
Date Collected: 8/9/2006 6:30:52 PM
Data Type: Reprocessed on 8/10/2006 8:26:29 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045202 Sr

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3426769.8	118.45	%	0.241				0.20%
Yttrium,7440-65-5A	1881985.5	118.98	%	0.261				0.22%
Yttrium,7440-65-5R	121478.4	132.69	%	1.065				0.80%
Ar 420.067 R	1849432.8	109.45	%	0.543				0.50%
Ar 363.268 A	48048.7	95.949	%	0.3071				0.32%
Aluminum,7429-90-5†	35917.5	125.22	mg/L	1.383	9938.2	mg/kg	109.79	1.10%
Antimony,7440-36-0†	-57.4	-0.0150	mg/L	0.00308	-1.1882	mg/kg	0.24473	20.60%
Arsenic,7440-38-2†	15.4	0.0350	mg/L	0.00435	2.7782	mg/kg	0.34503	12.42%
Barium,7440-39-3†	503199.6	5.5274	mg/L	0.00727	438.68	mg/kg	0.577	0.13%
Beryllium,7440-41-7†	33193.9	0.0104	mg/L	0.00003	0.8221	mg/kg	0.00223	0.27%
Boron,7440-42-8†	12987.9	0.3413	mg/L	0.00277	27.090	mg/kg	0.2198	0.81%
Cadmium,7440-43-9†	877.4	0.0046	mg/L	0.00016	0.3618	mg/kg	0.01303	3.60%
Calcium,7440-70-2†	1972660.7	977.40	mg/L	10.935	77572	mg/kg	867.9	1.12%
Chromium,7440-47-3†	20669.2	0.1816	mg/L	0.00109	14.415	mg/kg	0.0868	0.60%
Cobalt,7440-48-4†	1513.0	0.0566	mg/L	0.00051	4.4933	mg/kg	0.04039	0.90%
Copper,7440-50-8†	227515.2	1.3442	mg/L	0.00284	106.68	mg/kg	0.226	0.21%
Iron,7439-89-6†	182553.6	179.10	mg/L	2.234	14214	mg/kg	177.3	1.25%
Lead,7439-92-1†	6700.0	0.7743	mg/L	0.00216	61.456	mg/kg	0.1714	0.28%
Lithium,7439-93-2†	9063.8	0.1038	mg/L	0.00125	8.2371	mg/kg	0.09892	1.20%
Magnesium,7439-95-4†	29018.5	98.147	mg/L	1.4074	7789.4	mg/kg	111.70	1.43%
Manganese,7439-96-5†	1443254.3	3.1978	mg/L	0.00525	253.79	mg/kg	0.416	0.16%
Molybdenum,7439-98-7†	730.1	0.0572	mg/L	0.00029	4.5399	mg/kg	0.02267	0.50%
Nickel,7440-02-0†	5329.2	0.1571	mg/L	0.00081	12.464	mg/kg	0.0644	0.52%
Potassium,7440-09-7†	33086.4	14.819	mg/L	0.1473	1176.1	mg/kg	11.69	0.99%
Selenium,7782-49-2†	-92.5	-0.0201	mg/L	0.01004	-1.5979	mg/kg	0.79649	49.85%
Silicon,7440-21-3†	4828.9	16.388	mg/L	0.2446	1300.6	mg/kg	19.41	1.49%
Silver,7440-22-4†	-19649.5	-0.0851	mg/L	0.00165	-6.7550	mg/kg	0.13067	1.93%
Sodium,7440-23-5†	324291.4	93.020	mg/L	0.8847	7382.6	mg/kg	70.21	0.95%
Strontium,7440-24-6†	1141373.7	3.9939	mg/L	0.03230	316.97	mg/kg	2.564	0.81%
Thallium,7440-28-0†	-116.4	-0.0360	mg/L	0.00401	-2.8603	mg/kg	0.31798	11.12%
Tin,7440-31-5†	305.7	0.0807	mg/L	0.00044	6.4056	mg/kg	0.03509	0.55%
Titanium,7440-32-6†	1746723.5	3.7247	mg/L	0.00689	295.61	mg/kg	0.547	0.18%
Vanadium,7440-62-2†	43066.1	0.4096	mg/L	0.00158	32.504	mg/kg	0.1255	0.39%
Zinc,7440-66-6†	437561.0	6.4707	mg/L	0.00486	513.55	mg/kg	0.386	0.08%
Zirconium,7440-67-7†	68302.9	0.2149	mg/L	0.00141	17.056	mg/kg	0.1117	0.66%

Sequence No.: 78
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 8/9/2006 6:36:55 PM
Data Type: Reprocessed on 8/10/2006 8:26:30 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3654329.7	126.32	%	1.902				1.51%
Yttrium,7440-65-5A	1967719.3	124.40	%	1.847				1.48%
Yttrium,7440-65-5R	122894.2	134.24	%	1.291				0.96%
Ar 420.067 R	1954323.0	115.66	%	0.676				0.58%

Ar 363.268 A	51104.8	102.05 %	0.333			0.33%
Aluminum,7429-90-5†	1606.7	5.6058 mg/L	0.06645	5.6058 mg/L	0.06645	1.19%
QC value greater than the upper limit for Aluminum,7429-90-5 Recovery = 112.12%						
Antimony,7440-36-0†	912.5	0.5741 mg/L	0.00686	0.5741 mg/L	0.00686	1.19%
QC value greater than the upper limit for Antimony,7440-36-0 Recovery = 114.83%						
Arsenic,7440-38-2†	603.0	0.5934 mg/L	0.00961	0.5934 mg/L	0.00961	1.62%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 118.69%						
Barium,7440-39-3†	50802.0	0.5571 mg/L	0.00793	0.5571 mg/L	0.00793	1.42%
QC value greater than the upper limit for Barium,7440-39-3 Recovery = 111.43%						
Beryllium,7440-41-7†	1519389.0	0.5601 mg/L	0.00183	0.5601 mg/L	0.00183	0.33%
QC value greater than the upper limit for Beryllium,7440-41-7 Recovery = 112.02%						
Boron,7440-42-8†	76897.5	2.8924 mg/L	0.04072	2.8924 mg/L	0.04072	1.41%
QC value greater than the upper limit for Boron,7440-42-8 Recovery = 115.70%						
Cadmium,7440-43-9†	58046.3	0.5891 mg/L	0.00919	0.5891 mg/L	0.00919	1.56%
QC value greater than the upper limit for Cadmium,7440-43-9 Recovery = 117.83%						
Calcium,7440-70-2†	12553.6	6.2264 mg/L	0.13327	6.2264 mg/L	0.13327	2.14%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 124.53%						
Chromium,7440-47-3†	51830.5	0.5550 mg/L	0.00754	0.5550 mg/L	0.00754	1.36%
QC value greater than the upper limit for Chromium,7440-47-3 Recovery = 111.00%						
Cobalt,7440-48-4†	14348.4	0.5607 mg/L	0.00803	0.5607 mg/L	0.00803	1.43%
QC value greater than the upper limit for Cobalt,7440-48-4 Recovery = 112.14%						
Copper,7440-50-8†	90615.4	0.5364 mg/L	0.00672	0.5364 mg/L	0.00672	1.25%
QC value within limits for Copper,7440-50-8 Recovery = 107.28%						
Iron,7439-89-6†	6308.0	6.1904 mg/L	0.09988	6.1904 mg/L	0.09988	1.61%
QC value greater than the upper limit for Iron,7439-89-6 Recovery = 123.81%						
Lead,7439-92-1†	5300.5	0.5810 mg/L	0.00825	0.5810 mg/L	0.00825	1.42%
QC value greater than the upper limit for Lead,7439-92-1 Recovery = 116.20%						
Lithium,7439-93-2†	44444.9	0.5267 mg/L	0.01048	0.5267 mg/L	0.01048	1.99%
QC value within limits for Lithium,7439-93-2 Recovery = 105.33%						
Magnesium,7439-95-4†	1894.0	6.4070 mg/L	0.07788	6.4070 mg/L	0.07788	1.22%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 128.14%						
Manganese,7439-96-5†	251474.5	0.5573 mg/L	0.00780	0.5573 mg/L	0.00780	1.40%
QC value greater than the upper limit for Manganese,7439-96-5 Recovery = 111.45%						
Molybdenum,7439-98-7†	7109.0	0.5556 mg/L	0.00690	0.5556 mg/L	0.00690	1.24%
QC value greater than the upper limit for Molybdenum,7439-98-7 Recovery = 111.12%						
Nickel,7440-02-0†	18688.5	0.5523 mg/L	0.00684	0.5523 mg/L	0.00684	1.24%
QC value within limits for Nickel,7440-02-0 Recovery = 110.46%						
Potassium,7440-09-7†	24732.6	11.210 mg/L	0.1438	11.210 mg/L	0.1438	1.28%
QC value greater than the upper limit for Potassium,7440-09-7 Recovery = 112.10%						
Selenium,7782-49-2†	701.9	0.6048 mg/L	0.00323	0.6048 mg/L	0.00323	0.53%
QC value greater than the upper limit for Selenium,7782-49-2 Recovery = 120.96%						
Silicon,7440-21-3†	151.7	0.5141 mg/L	0.01296	0.5141 mg/L	0.01296	2.52%
QC value within limits for Silicon,7440-21-3 Recovery = 102.83%						
Silver,7440-22-4†	112212.4	0.5331 mg/L	0.00627	0.5331 mg/L	0.00627	1.18%
QC value within limits for Silver,7440-22-4 Recovery = 106.61%						
Sodium,7440-23-5†	82817.5	23.875 mg/L	0.5588	23.875 mg/L	0.5588	2.34%
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = 119.37%						
Strontium,7440-24-6†	161617.4	0.5653 mg/L	0.00541	0.5653 mg/L	0.00541	0.96%
QC value greater than the upper limit for Strontium,7440-24-6 Recovery = 113.07%						
Thallium,7440-28-0†	1007.0	0.5745 mg/L	0.00918	0.5745 mg/L	0.00918	1.60%
QC value greater than the upper limit for Thallium,7440-28-0 Recovery = 114.90%						
Tin,7440-31-5†	2508.0	0.5943 mg/L	0.00657	0.5943 mg/L	0.00657	1.11%
QC value greater than the upper limit for Tin,7440-31-5 Recovery = 118.85%						
Titanium,7440-32-6†	251313.8	0.5359 mg/L	0.00095	0.5359 mg/L	0.00095	0.18%
QC value within limits for Titanium,7440-32-6 Recovery = 107.19%						
Vanadium,7440-62-2†	56560.4	0.5385 mg/L	0.00651	0.5385 mg/L	0.00651	1.21%
QC value within limits for Vanadium,7440-62-2 Recovery = 107.71%						
Zinc,7440-66-6†	38707.6	0.5730 mg/L	0.00923	0.5730 mg/L	0.00923	1.61%
QC value greater than the upper limit for Zinc,7440-66-6 Recovery = 114.60%						
Zirconium,7440-67-7†	171018.5	0.5253 mg/L	0.00610	0.5253 mg/L	0.00610	1.16%
QC value within limits for Zirconium,7440-67-7 Recovery = 105.05%						

QC Failed. Continue with analysis.

Sequence No.: 79
Sample ID: 1900
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/9/2006 6:44:12 PM
Data Type: Reprocessed on 8/10/2006 8:26:32 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Scandium-IS	3611740.5	124.84	%	1.202				0.96%
Yttrium,7440-65-5A	1973521.9	124.77	%	1.150				0.92%
Yttrium,7440-65-5R	119310.1	130.32	%	0.886				0.68%
Ar 420.067 R	1930512.1	114.25	%	0.890				0.78%
Ar 363.268 A	51647.4	103.14	%	0.282				0.27%
Aluminum,7429-90-5†	4.1	0.0141	mg/L	0.02004	0.0141	mg/L	0.02004	141.87%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	4.3	0.0026	mg/L	0.00324	0.0026	mg/L	0.00324	122.92%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	7.0	0.0069	mg/L	0.00347	0.0069	mg/L	0.00347	50.35%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	35.8	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	20.00%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	-83.1	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	128.84%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1562.3	0.0589	mg/L	0.00349	0.0589	mg/L	0.00349	5.93%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-29.7	-0.0003	mg/L	0.00009	-0.0003	mg/L	0.00009	29.23%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	-2.5	-0.0012	mg/L	0.00244	-0.0012	mg/L	0.00244	199.85%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-30.8	-0.0003	mg/L	0.00047	-0.0003	mg/L	0.00047	141.58%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	7.5	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	58.24%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-91.1	-0.0005	mg/L	0.00019	-0.0005	mg/L	0.00019	34.98%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	-1.1	-0.0011	mg/L	0.00197	-0.0011	mg/L	0.00197	177.66%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-21.7	-0.0024	mg/L	0.00069	-0.0024	mg/L	0.00069	29.02%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	69.5	0.0008	mg/L	0.00046	0.0008	mg/L	0.00046	55.80%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	-8.8	-0.0299	mg/L	0.01380	-0.0299	mg/L	0.01380	46.10%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-102.2	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	27.55%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	4.0	0.0003	mg/L	0.00106	0.0003	mg/L	0.00106	336.76%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-16.5	-0.0005	mg/L	0.00041	-0.0005	mg/L	0.00041	84.75%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	740.7	0.3359	mg/L	0.02947	0.3359	mg/L	0.02947	8.77%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-7.3	-0.0062	mg/L	0.00462	-0.0062	mg/L	0.00462	74.11%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-14.9	-0.0505	mg/L	0.00487	-0.0505	mg/L	0.00487	9.64%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	129.6	0.0006	mg/L	0.00076	0.0006	mg/L	0.00076	120.59%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	2546.8	0.7356	mg/L	0.04009	0.7356	mg/L	0.04009	5.45%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	-72.6	-0.0003	mg/L	0.00024	-0.0003	mg/L	0.00024	92.77%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	0.3	0.0002	mg/L	0.00140	0.0002	mg/L	0.00140	826.36%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5†	9.7	0.0023	mg/L	0.00108	0.0023	mg/L	0.00108	47.13%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6†	-19.1	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	200.02%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2†	-110.5	-0.0011	mg/L	0.00038	-0.0011	mg/L	0.00038	36.27%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6†	-251.0	-0.0037	mg/L	0.00012	-0.0037	mg/L	0.00012	3.19%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7†	-81.2	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	62.06%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 80 Autosampler Location: 77

168041

Sample ID: 20608045203 Zn R/RAJW
Analyst:
Logged In Analyst (Original) : met 8-10-06
Initial Sample Wt: 1.25 g
Dilution: 2X

Date Collected: 8/9/2006 6:51:19 PM
Data Type: Reprocessed on 8/10/2006 8:26:34 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045203 Zn

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3620961.0	125.16	%	0.643				0.51%
Yttrium,7440-65-5A	1973653.2	124.78	%	0.589				0.47%
Yttrium,7440-65-5R	121643.9	132.87	%	0.530				0.40%
Ar 420.067 R	1928843.3	114.15	%	0.622				0.54%
Ar 363.268 A	49757.2	99.361	%	0.4066				0.41%
Aluminum,7429-90-5†	3277.9	11.423	mg/L	0.0775	913.82	mg/kg	6.201	0.68%
Antimony,7440-36-0†	-86.7	-0.0485	mg/L	0.00441	-3.8837	mg/kg	0.35317	9.09%
Arsenic,7440-38-2†	-57.8	-0.0118	mg/L	0.00240	-0.9408	mg/kg	0.19184	20.39%
Barium,7440-39-3†	141504.3	1.5538	mg/L	0.00753	124.30	mg/kg	0.602	0.48%
Beryllium,7440-41-7†	3172.5	0.0005	mg/L	0.00001	0.0425	mg/kg	0.00077	1.82%
Boron,7440-42-8†	1457.3	-0.1319	mg/L	0.00260	-10.553	mg/kg	0.2078	1.97%
Cadmium,7440-43-9†	1166.8	0.0093	mg/L	0.00009	0.7466	mg/kg	0.00722	0.97%
Calcium,7440-70-2†	86454.8	42.885	mg/L	0.2442	3430.8	mg/kg	19.54	0.57%
Chromium,7440-47-3†	15901.5	0.1187	mg/L	0.00097	9.4990	mg/kg	0.07770	0.82%
Cobalt,7440-48-4†	491.5	0.0182	mg/L	0.00006	1.4535	mg/kg	0.00496	0.34%
Copper,7440-50-8†	56310.4	0.3345	mg/L	0.00111	26.760	mg/kg	0.0889	0.33%
Iron,7439-89-6†	212259.6	208.27	mg/L	1.101	16661	mg/kg	88.0	0.53%
Lead,7439-92-1†	39210.9	4.3372	mg/L	0.01051	346.97	mg/kg	0.841	0.24%
Lithium,7439-93-2†	1414.9	0.0155	mg/L	0.00131	1.2428	mg/kg	0.10469	8.42%
Magnesium,7439-95-4†	1792.1	6.0047	mg/L	0.02711	480.38	mg/kg	2.169	0.45%
Manganese,7439-96-5†	700385.9	1.5515	mg/L	0.00839	124.12	mg/kg	0.671	0.54%
Molybdenum,7439-98-7†	231.3	0.0198	mg/L	0.00086	1.5871	mg/kg	0.06914	4.36%
Nickel,7440-02-0†	2323.6	0.0676	mg/L	0.00090	5.4046	mg/kg	0.07201	1.33%
Potassium,7440-09-7†	4904.7	2.1964	mg/L	0.02930	175.71	mg/kg	2.344	1.33%
Selenium,7782-49-2†	-130.2	-0.0576	mg/L	0.01349	-4.6106	mg/kg	1.07922	23.41%
Silicon,7440-21-3†	1083.6	3.6853	mg/L	0.03106	294.83	mg/kg	2.485	0.84%
Silver,7440-22-4†	-13536.5	-0.0505	mg/L	0.00079	-4.0400	mg/kg	0.06332	1.57%
Sodium,7440-23-5†	8522.4	2.2579	mg/L	0.01304	180.63	mg/kg	1.043	0.58%
Strontium,7440-24-6†	84491.1	0.2956	mg/L	0.00250	23.650	mg/kg	0.2003	0.85%
Thallium,7440-28-0†	-16.6	-0.0026	mg/L	0.00031	-0.2042	mg/kg	0.02473	12.11%
Tin,7440-31-5†	40.5	0.0078	mg/L	0.00090	0.6207	mg/kg	0.07203	11.61%
Titanium,7440-32-6†	193673.2	0.4128	mg/L	0.00269	33.020	mg/kg	0.2150	0.65%
Vanadium,7440-62-2†	6862.7	0.0656	mg/L	0.00039	5.2478	mg/kg	0.03105	0.59%
Zinc,7440-66-6†	635296.8	9.3851	mg/L	0.02784	750.81	mg/kg	2.227	0.30%
Zirconium,7440-67-7†	7906.0	0.0218	mg/L	0.00052	1.7427	mg/kg	0.04181	2.40%

Sequence No.: 81
Sample ID: 20608045210 Zn R/RAJW
Analyst:
Logged In Analyst (Original) : met 8-10-06
Initial Sample Wt: 1.25 g
Dilution: 2X

Autosampler Location: 78
Date Collected: 8/9/2006 6:58:08 PM
Data Type: Reprocessed on 8/10/2006 8:26:35 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045210 Zn

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3492998.1	120.74	%	1.501				1.24%
Yttrium,7440-65-5A	1912450.9	120.91	%	1.359				1.12%
Yttrium,7440-65-5R	119816.7	130.87	%	1.517				1.16%
Ar 420.067 R	1878582.3	111.18	%	0.626				0.56%
Ar 363.268 A	47263.1	94.381	%	0.3841				0.41%
Aluminum,7429-90-5†	8090.8	28.199	mg/L	0.0588	2255.9	mg/kg	4.70	0.21%
Antimony,7440-36-0†	-133.3	-0.0696	mg/L	0.01005	-5.5657	mg/kg	0.80398	14.45%
Arsenic,7440-38-2†	-58.3	0.0077	mg/L	0.00880	0.6185	mg/kg	0.70372	113.77%
Barium,7440-39-3†	471786.1	5.1814	mg/L	0.01392	414.51	mg/kg	1.114	0.27%
Beryllium,7440-41-7†	4833.3	0.0013	mg/L	0.00001	0.1037	mg/kg	0.00075	0.72%
Boron,7440-42-8†	2044.4	-0.2237	mg/L	0.00189	-17.893	mg/kg	0.1515	0.85%
Cadmium,7440-43-9†	1612.0	0.0117	mg/L	0.00038	0.9342	mg/kg	0.03025	3.24%
Calcium,7440-70-2†	755686.8	374.49	mg/L	1.690	29959	mg/kg	135.2	0.45%
Chromium,7440-47-3†	33931.0	0.2810	mg/L	0.00089	22.476	mg/kg	0.0714	0.32%

001581

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Cobalt,7440-48-4†	868.8	0.0322 mg/L	0.00062	2.5780 mg/kg	0.04964	1.93%
Copper,7440-50-8†	90703.3	0.5387 mg/L	0.00218	43.094 mg/kg	0.1743	0.40%
Iron,7439-89-6†	345802.5	339.29 mg/L	1.143	27143 mg/kg	91.4	0.34%
Lead,7439-92-1†	15117.0	1.7306 mg/L	0.02903	138.45 mg/kg	2.323	1.68%
Lithium,7439-93-2†	3654.6	0.0406 mg/L	0.00058	3.2481 mg/kg	0.04666	1.44%
Magnesium,7439-95-4†	9893.6	33.385 mg/L	0.0835	2670.8 mg/kg	6.68	0.25%
Manganese,7439-96-5†	1729840.6	3.8320 mg/L	0.00953	306.56 mg/kg	0.762	0.25%
Molybdenum,7439-98-7†	254.8	0.0228 mg/L	0.00068	1.8233 mg/kg	0.05401	2.96%
Nickel,7440-02-0†	4226.0	0.1225 mg/L	0.00230	9.7982 mg/kg	0.18409	1.88%
Potassium,7440-09-7†	22189.9	9.9719 mg/L	0.07206	797.76 mg/kg	5.765	0.72%
Selenium,7782-49-2†	-204.4	-0.0882 mg/L	0.00287	-7.0530 mg/kg	0.22966	3.26%
Silicon,7440-21-3†	3570.6	12.128 mg/L	0.0280	970.20 mg/kg	2.236	0.23%
Silver,7440-22-4†	-20400.5	-0.0748 mg/L	0.00086	-5.9864 mg/kg	0.06891	1.15%
Sodium,7440-23-5†	11864.3	2.9680 mg/L	0.01909	237.44 mg/kg	1.528	0.64%
Strontium,7440-24-6†	391161.9	1.3688 mg/L	0.00494	109.51 mg/kg	0.395	0.36%
Thallium,7440-28-0†	-33.3	-0.0104 mg/L	0.00191	-0.8324 mg/kg	0.15253	18.32%
Tin,7440-31-5†	33.5	0.0085 mg/L	0.00068	0.6796 mg/kg	0.05410	7.96%
Titanium,7440-32-6†	158827.1	0.3383 mg/L	0.00507	27.063 mg/kg	0.4056	1.50%
Vanadium,7440-62-2†	16738.9	0.1597 mg/L	0.00049	12.780 mg/kg	0.0395	0.31%
Zinc,7440-66-6†	871945.0	12.885 mg/L	0.0201	1030.8 mg/kg	1.61	0.16%
Zirconium,7440-67-7†	13775.4	0.0375 mg/L	0.00116	2.9973 mg/kg	0.09261	3.09%

Sequence No.: 82
Sample ID: 20608045215
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 2X

Data not used AJW 8-10-06

Autosampler Location: 79
Date Collected: 8/9/2006 7:04:20 PM
Data Type: Reprocessed on 8/10/2006 8:26:42 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20608045215

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3503175.7	121.09	%	0.428				0.35%
Yttrium,7440-65-5A	1907320.2	120.58	%	0.342				0.28%
Yttrium,7440-65-5R	119648.3	130.69	%	0.246				0.19%
Ar 420.067 R	1905938.4	112.80	%	0.282				0.25%
Ar 363.268 A	47587.4	95.028	%	0.3977				0.42%
Aluminum,7429-90-5†	4086.6	14.237	mg/L	0.0773	1139.0	mg/kg	6.18	0.54%
Antimony,7440-36-0†	-129.7	-0.0689	mg/L	0.00511	-5.5088	mg/kg	0.40877	7.42%
Arsenic,7440-38-2†	-84.6	-0.0057	mg/L	0.00476	-0.4553	mg/kg	0.38083	83.64%
Barium,7440-39-3†	137631.0	1.5112	mg/L	0.00231	120.90	mg/kg	0.185	0.15%
Beryllium,7440-41-7†	1926.9	0.0001	mg/L	0.00001	0.0075	mg/kg	0.00080	10.61%
Boron,7440-42-8†	921.8	-0.3016	mg/L	0.00510	-24.130	mg/kg	0.4083	1.69%
Cadmium,7440-43-9†	1411.7	0.0097	mg/L	0.00003	0.7769	mg/kg	0.00246	0.32%
Calcium,7440-70-2†	380409.4	188.56	mg/L	1.452	15085	mg/kg	116.1	0.77%
Chromium,7440-47-3†	36537.1	0.2987	mg/L	0.00058	23.896	mg/kg	0.0467	0.20%
Cobalt,7440-48-4†	1029.0	0.0387	mg/L	0.00024	3.0948	mg/kg	0.01901	0.61%
Copper,7440-50-8†	60350.0	0.3600	mg/L	0.00034	28.798	mg/kg	0.0273	0.09%
Iron,7439-89-6†	383352.1	376.14	mg/L	3.765	30091	mg/kg	301.2	1.00%
Lead,7439-92-1†	20782.3	2.3582	mg/L	0.00412	188.65	mg/kg	0.330	0.17%
Lithium,7439-93-2†	1951.6	0.0207	mg/L	0.00109	1.6565	mg/kg	0.08690	5.25%
Magnesium,7439-95-4†	4883.6	16.420	mg/L	0.1439	1313.6	mg/kg	11.51	0.88%
Manganese,7439-96-5†	1498518.3	3.3195	mg/L	0.00454	265.56	mg/kg	0.363	0.14%
Molybdenum,7439-98-7†	316.7	0.0281	mg/L	0.00022	2.2463	mg/kg	0.01727	0.77%
Nickel,7440-02-0†	4760.1	0.1382	mg/L	0.00146	11.058	mg/kg	0.1171	1.06%
Potassium,7440-09-7†	8924.9	3.9828	mg/L	0.04119	318.63	mg/kg	3.295	1.03%
Selenium,7782-49-2†	-219.2	-0.0925	mg/L	0.00457	-7.3995	mg/kg	0.36598	4.95%
Silicon,7440-21-3†	2639.0	8.9694	mg/L	0.05935	717.55	mg/kg	4.748	0.66%
Silver,7440-22-4†	-21648.2	-0.0778	mg/L	0.00052	-6.2203	mg/kg	0.04149	0.67%
Sodium,7440-23-5†	8008.5	1.9106	mg/L	0.01875	152.85	mg/kg	1.500	0.98%
Strontium,7440-24-6†	237556.9	0.8313	mg/L	0.00595	66.502	mg/kg	0.4757	0.72%
Thallium,7440-28-0†	-29.1	-0.0082	mg/L	0.00672	-0.6578	mg/kg	0.53740	81.69%
Tin,7440-31-5†	76.9	0.0163	mg/L	0.00101	1.3076	mg/kg	0.08066	6.17%
Titanium,7440-32-6†	88977.4	0.1893	mg/L	0.00299	15.142	mg/kg	0.2391	1.58%
Vanadium,7440-62-2†	12122.4	0.1160	mg/L	0.00112	9.2761	mg/kg	0.08971	0.97%
Zinc,7440-66-6†	434485.2	6.4233	mg/L	0.00866	513.86	mg/kg	0.693	0.13%
Zirconium,7440-67-7†	6567.4	0.0144	mg/L	0.00029	1.1554	mg/kg	0.02293	1.98%

Sequence No.: 83 **Autosampler Location: 7**

001582

168043

Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Date Collected: 8/9/2006 7:10:26 PM
Data Type: Reprocessed on 8/10/2006 8:26:43 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1800

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Scandium-IS	3602166.6	124.51	%	0.579				0.47%
Yttrium,7440-65-5A	1944726.2	122.95	%	0.618				0.50%
Yttrium,7440-65-5R	120660.8	131.80	%	1.704				1.29%
Ar 420.067 R	1948897.7	115.34	%	0.358				0.31%
Ar 363.268 A	51435.8	102.71	%	0.257				0.25%
Aluminum,7429-90-5†	1647.1	5.7469	mg/L	0.03442	5.7469	mg/L	0.03442	0.60%
QC value greater than the upper limit for Aluminum,7429-90-5 Recovery = 114.94%								
Antimony,7440-36-0†	924.4	0.5815	mg/L	0.00795	0.5815	mg/L	0.00795	1.37%
QC value greater than the upper limit for Antimony,7440-36-0 Recovery = 116.31%								
Arsenic,7440-38-2†	611.9	0.6022	mg/L	0.00204	0.6022	mg/L	0.00204	0.34%
QC value greater than the upper limit for Arsenic,7440-38-2 Recovery = 120.44%								
Barium,7440-39-3†	51243.0	0.5620	mg/L	0.00724	0.5620	mg/L	0.00724	1.29%
QC value greater than the upper limit for Barium,7440-39-3 Recovery = 112.39%								
Beryllium,7440-41-7†	1531439.5	0.5645	mg/L	0.00184	0.5645	mg/L	0.00184	0.33%
QC value greater than the upper limit for Beryllium,7440-41-7 Recovery = 112.91%								
Boron,7440-42-8†	76589.6	2.8805	mg/L	0.03145	2.8805	mg/L	0.03145	1.09%
QC value greater than the upper limit for Boron,7440-42-8 Recovery = 115.22%								
Cadmium,7440-43-9†	58268.5	0.5914	mg/L	0.00910	0.5914	mg/L	0.00910	1.54%
QC value greater than the upper limit for Cadmium,7440-43-9 Recovery = 118.28%								
Calcium,7440-70-2†	12648.7	6.2736	mg/L	0.07847	6.2736	mg/L	0.07847	1.25%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 125.47%								
Chromium,7440-47-3†	52171.7	0.5586	mg/L	0.00717	0.5586	mg/L	0.00717	1.28%
QC value greater than the upper limit for Chromium,7440-47-3 Recovery = 111.72%								
Cobalt,7440-48-4†	14333.1	0.5601	mg/L	0.00464	0.5601	mg/L	0.00464	0.83%
QC value greater than the upper limit for Cobalt,7440-48-4 Recovery = 112.02%								
Copper,7440-50-8†	91360.2	0.5408	mg/L	0.00734	0.5408	mg/L	0.00734	1.36%
QC value within limits for Copper,7440-50-8 Recovery = 108.16%								
Iron,7439-89-6†	6676.9	6.5524	mg/L	0.03183	6.5524	mg/L	0.03183	0.49%
QC value greater than the upper limit for Iron,7439-89-6 Recovery = 131.05%								
Lead,7439-92-1†	5378.6	0.5896	mg/L	0.00809	0.5896	mg/L	0.00809	1.37%
QC value greater than the upper limit for Lead,7439-92-1 Recovery = 117.93%								
Lithium,7439-93-2†	42232.1	0.5004	mg/L	0.00531	0.5004	mg/L	0.00531	1.06%
QC value within limits for Lithium,7439-93-2 Recovery = 100.08%								
Magnesium,7439-95-4†	1950.2	6.5970	mg/L	0.03398	6.5970	mg/L	0.03398	0.52%
QC value greater than the upper limit for Magnesium,7439-95-4 Recovery = 131.94%								
Manganese,7439-96-5†	253410.0	0.5616	mg/L	0.00835	0.5616	mg/L	0.00835	1.49%
QC value greater than the upper limit for Manganese,7439-96-5 Recovery = 112.31%								
Molybdenum,7439-98-7†	7242.1	0.5660	mg/L	0.00575	0.5660	mg/L	0.00575	1.02%
QC value greater than the upper limit for Molybdenum,7439-98-7 Recovery = 113.20%								
Nickel,7440-02-0†	18766.4	0.5546	mg/L	0.00946	0.5546	mg/L	0.00946	1.71%
QC value greater than the upper limit for Nickel,7440-02-0 Recovery = 110.92%								
Potassium,7440-09-7†	23929.0	10.845	mg/L	0.1009	10.845	mg/L	0.1009	0.93%
QC value within limits for Potassium,7440-09-7 Recovery = 108.45%								
Selenium,7782-49-2†	711.0	0.6128	mg/L	0.00298	0.6128	mg/L	0.00298	0.49%
QC value greater than the upper limit for Selenium,7782-49-2 Recovery = 122.55%								
Silicon,7440-21-3†	159.2	0.5395	mg/L	0.00769	0.5395	mg/L	0.00769	1.42%
QC value within limits for Silicon,7440-21-3 Recovery = 107.89%								
Silver,7440-22-4†	113314.3	0.5383	mg/L	0.00606	0.5383	mg/L	0.00606	1.13%
QC value within limits for Silver,7440-22-4 Recovery = 107.67%								
Sodium,7440-23-5†	79121.3	22.807	mg/L	0.2183	22.807	mg/L	0.2183	0.96%
QC value greater than the upper limit for Sodium,7440-23-5 Recovery = 114.03%								
Strontium,7440-24-6†	162513.7	0.5685	mg/L	0.00241	0.5685	mg/L	0.00241	0.42%
QC value greater than the upper limit for Strontium,7440-24-6 Recovery = 113.70%								
Thallium,7440-28-0†	1025.2	0.5849	mg/L	0.00699	0.5849	mg/L	0.00699	1.20%
QC value greater than the upper limit for Thallium,7440-28-0 Recovery = 116.97%								
Tin,7440-31-5†	2537.4	0.6012	mg/L	0.00875	0.6012	mg/L	0.00875	1.46%
QC value greater than the upper limit for Tin,7440-31-5 Recovery = 120.25%								
Titanium,7440-32-6†	254121.6	0.5419	mg/L	0.00246	0.5419	mg/L	0.00246	0.45%
QC value within limits for Titanium,7440-32-6 Recovery = 108.38%								
Vanadium,7440-62-2†	56898.1	0.5418	mg/L	0.00573	0.5418	mg/L	0.00573	1.06%
QC value within limits for Vanadium,7440-62-2 Recovery = 108.35%								
Zinc,7440-66-6†	38922.4	0.5762	mg/L	0.00793	0.5762	mg/L	0.00793	1.38%

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QC value greater than the upper limit for Zinc,7440-66-6 Recovery = 115.23%

Zirconium,7440-67-7†	172531.2	0.5299 mg/L	0.00595	0.5299 mg/L	0.00595	1.12%

QC value within limits for Zirconium,7440-67-7 Recovery = 105.98%

QC Failed. Continue with analysis.

Sequence No.: 84 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 8/9/2006 7:17:46 PM**
Analyst: **Data Type: Reprocessed on 8/10/2006 8:26:45 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1900

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Scandium-IS	3649730.0	126.16	%	0.646				0.51%
Yttrium,7440-65-5A	2004953.2	126.75	%	0.585				0.46%
Yttrium,7440-65-5R	120734.1	131.88	%	0.587				0.45%
Ar 420.067 R	1950578.5	115.44	%	0.149				0.13%
Ar 363.268 A	51762.7	103.37	%	0.146				0.14%
Aluminum,7429-90-5†	3.3	0.0114	mg/L	0.01546	0.0114	mg/L	0.01546	135.97%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0†	-6.5	-0.0040	mg/L	0.00337	-0.0040	mg/L	0.00337	84.49%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2†	8.9	0.0087	mg/L	0.00448	0.0087	mg/L	0.00448	51.24%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3†	39.6	0.0004	mg/L	0.00012	0.0004	mg/L	0.00012	27.99%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7†	27.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	177.54%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8†	1151.8	0.0434	mg/L	0.00318	0.0434	mg/L	0.00318	7.32%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9†	-30.8	-0.0003	mg/L	0.00005	-0.0003	mg/L	0.00005	17.31%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2†	18.3	0.0091	mg/L	0.00639	0.0091	mg/L	0.00639	70.32%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3†	-40.2	-0.0004	mg/L	0.00052	-0.0004	mg/L	0.00052	120.30%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4†	7.3	0.0003	mg/L	0.00019	0.0003	mg/L	0.00019	65.14%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8†	-171.1	-0.0010	mg/L	0.00033	-0.0010	mg/L	0.00033	32.51%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6†	5.8	0.0057	mg/L	0.00218	0.0057	mg/L	0.00218	38.21%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1†	-31.8	-0.0035	mg/L	0.00070	-0.0035	mg/L	0.00070	20.22%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2†	131.7	0.0016	mg/L	0.00059	0.0016	mg/L	0.00059	37.92%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4†	5.0	0.0169	mg/L	0.04394	0.0169	mg/L	0.04394	260.47%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese,7439-96-5†	-27.6	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	70.16%
QC value within limits for Manganese,7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7†	18.7	0.0015	mg/L	0.00078	0.0015	mg/L	0.00078	53.71%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0†	-24.7	-0.0007	mg/L	0.00029	-0.0007	mg/L	0.00029	39.70%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7†	549.0	0.2490	mg/L	0.01343	0.2490	mg/L	0.01343	5.39%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2†	-1.8	-0.0015	mg/L	0.00569	-0.0015	mg/L	0.00569	376.91%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3†	-18.2	-0.0616	mg/L	0.00945	-0.0616	mg/L	0.00945	15.36%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4†	227.4	0.0011	mg/L	0.00013	0.0011	mg/L	0.00013	12.22%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5†	654.7	0.1891	mg/L	0.00464	0.1891	mg/L	0.00464	2.45%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6†	1.2	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	>999.9%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0†	5.4	0.0030	mg/L	0.00645	0.0030	mg/L	0.00645	212.18%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								

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Tin,7440-31-5†	5.1	0.0012 mg/L	0.00099	0.0012 mg/L	0.00099	81.05%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6†	-152.5	-0.0003 mg/L	0.00025	-0.0003 mg/L	0.00025	76.97%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2†	-177.3	-0.0017 mg/L	0.00005	-0.0017 mg/L	0.00005	2.96%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6†	-217.7	-0.0032 mg/L	0.00013	-0.0032 mg/L	0.00013	4.03%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7†	-188.9	-0.0006 mg/L	0.00036	-0.0006 mg/L	0.00036	62.80%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

MERCURY

SnCl2 ID 161.12.15
NaCl2/(NH2OH)2 161.12.8
INSTRUMENT FIMS

ANALYST CNB
DATE 8/7/2006
TIME 14:29

$R^2 = 0.999979$

AS LOC	HSN / CLIENT	SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600				104
1	ICB-1700				
5	CCV-1800				102 103
1	CCB-1900				
17	397833	MB for HBN 329580 W		Water	
18	397834	LCS for HBN 329580 W		Water	89
19		20608042801 D			
20		20608042802 D MS			69
21		20608042803 D MSD		↓	72
22	398470	20608042801 D SD	5 X	Water	
23		20608042804 D			
24		20608042805 D			
25		20608042806 D			
26		20608042808 D		↓	
5	CCV-1800				103
1	CCB-1900				
27		20608042809 D		water	
28		20608042810 D		water	
29	397831	MB for HBN 329579 W		Water	
30	397832	LCS for HBN 329579 W		Water	102
31	--- 4482 ---	20608042801 T		Water	
32		20608042802 T MS		Water	81
33		20608042803 T MSD		Water	77
34	398469	20608042801 T SD	5 X	Water	
35		20608043109 EQBLK		Water	
36		20608042804 T		Water	
5	CCV-1800				104
1	CCB-1900				
37		20608042805 T		Water	
38		20608042806 T		Water	
39		20608042808 T		Water	
40		20608042809 T		Water	
41		20608042810 T		Water	
42		20608042811 FLDBLK		Water	
43		~~20608042802MSD~~ data not used			~~69~~
44					
45					
46					
5	CCV-1800				104
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:
2990 , 329699

Calibration ID: 20608 08 W
HG STD ID: 160.52.8

ANALYST QC REV: CNB
SECONDARY REV: MAP

Go to page 2

Reprocessing Begun
Logged In Analyst: met Technique: AA FIMS-MHS

Results Data Set (original): 2060808 W
Results Library (original): C:\data-AA\met\Results\Results.mdb
Results Data Set (reprocessed): 2990
Results Library (reprocessed): C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury Method Last Saved: 8/3/2006 4:51:35 PM
Method Description: Mercury

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 8/8/2006 2:28:52 PM
Analyst: Data Type: Reprocessed on 8/8/2006 4:39:48 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]	0.008	0.008	0.002	14:29:41	Yes
2		[0.00]	0.008	0.008	0.002	14:30:10	Yes
Mean:		[0.00]	0.008				
SD:		0.00	0.0002				
%RSD:		0.00	1.88				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: STD 1 Date Collected: 8/8/2006 2:30:29 PM
Analyst: Data Type: Reprocessed on 8/8/2006 4:39:48 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]	0.009	0.017	0.003	14:31:18	Yes
2		[0.2]	0.007	0.015	0.003	14:31:47	Yes
Mean:		[0.2]	0.008				
SD:		0.0	0.0009				
%RSD:		0.0	11.86				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.03950 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: STD 2 Date Collected: 8/8/2006 2:32:06 PM
Analyst: Data Type: Reprocessed on 8/8/2006 4:39:48 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]	0.023	0.031	0.006	14:32:56	Yes
2		[0.5]	0.022	0.030	0.006	14:33:23	Yes
Mean:		[0.5]	0.022				
SD:		0.0	0.0010				
%RSD:		0.0	4.26				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.998633 Slope: 0.04493 Intercept: -0.00041

001587

168048

Sequence No.: 4
Sample ID: STD 3
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 4
Date Collected: 8/8/2006 2:33:41 PM
Data Type: Reprocessed on 8/8/2006 4:39:49 PM
Initial Sample Vol:
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]	0.089	0.098	0.021	14:34:26	Yes
2		[2]	0.090	0.098	0.021	14:34:51	Yes
Mean:		[2]	0.090				
SD:		0	0.0005				
%RSD:		0	0.59				

Standard number 3 applied. [2]
Correlation Coef.: 0.999930 Slope: 0.04513 Intercept: -0.00045

Sequence No.: 5
Sample ID: STD 4
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 8/8/2006 2:35:10 PM
Data Type: Reprocessed on 8/8/2006 4:39:49 PM
Initial Sample Vol:
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]	0.228	0.236	0.051	14:35:54	Yes
2		[5]	0.228	0.236	0.051	14:36:20	Yes
Mean:		[5]	0.228				
SD:		0	0.0004				
%RSD:		0	0.16				

Standard number 4 applied. [5]
Correlation Coef.: 0.999979 Slope: 0.04567 Intercept: -0.00074

Sequence No.: 6
Sample ID: STD 5
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 8/8/2006 2:36:39 PM
Data Type: Reprocessed on 8/8/2006 4:39:49 PM
Initial Sample Vol:
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]	0.454	0.462	0.098	14:37:24	Yes
2		[10]	0.448	0.456	0.098	14:37:50	Yes
Mean:		[10]	0.451				
SD:		0	0.0040				
%RSD:		0	0.89				

Standard number 5 applied. [10]
Correlation Coef.: 0.999979 Slope: 0.04520 Intercept: -0.00021

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	0.004645	0.00	1.9
STD 1	0.0079	0.2	0.179427	0.00	11.9
STD 2	0.0223	0.5	0.498666	0.00	4.3
STD 3	0.0898	2.0	1.991632	0.00	0.6
STD 4	0.2279	5.0	5.046956	0.00	0.2
STD 5	0.4509	10.0	9.978674	0.00	0.9

Correlation Coef.: 0.999979 Slope: 0.04520 Intercept: -0.00021

Sequence No.: 7
Sample ID: 1600
Autosampler Location: 9
Date Collected: 8/8/2006 2:38:12 PM

001588

168049

Analyst:
Initial Sample Wt:
Dilution:
Data Type: Reprocessed on 8/8/2006 4:39:50 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1600

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005230	5.2304	0.236	0.244	0.052	14:38:59	Yes
2	0.005129	5.1292	0.232	0.240	0.052	14:39:26	Yes
Mean:	0.005180	5.1798	0.234				
SD:	0.000072	0.071596	0.0032				
%RSD:	1.3822	1.3822	1.38				

QC value within limits for Hg 253.7 Recovery = 103.60%
All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 1700
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 2:39:45 PM
Data Type: Reprocessed on 8/8/2006 4:39:50 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1700

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000024	-0.023865	-0.001	0.007	0.002	14:40:31	Yes
2	-0.000006	-0.006389	-0.000	0.008	0.002	14:40:58	Yes
Mean:	-0.000015	-0.015127	-0.001				
SD:	0.000012	0.012358	0.0006				
%RSD:	81.693	81.693	62.50				

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

Sequence No.: 9
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 8/8/2006 2:41:16 PM
Data Type: Reprocessed on 8/8/2006 4:39:50 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005120	5.1195	0.231	0.239	0.051	14:42:04	Yes
2	0.005072	5.0715	0.229	0.237	0.051	14:42:32	Yes
Mean:	0.005096	5.0955	0.230				
SD:	0.000034	0.033932	0.0015				
%RSD:	0.66591	0.66591	0.67				

QC value within limits for Hg 253.7 Recovery = 101.91%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 2:42:52 PM
Data Type: Reprocessed on 8/8/2006 4:39:50 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000003	-0.003069	-0.000	0.008	0.002	14:43:40	Yes
2	-0.000016	-0.016073	-0.001	0.007	0.001	14:44:09	Yes
Mean:	-0.000010	-0.009571	-0.001				
SD:	0.000009	0.009195	0.0004				
%RSD:	96.074	96.074	64.68				

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

001589

168050

Sequence No.: 11
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 8/8/2006 3:36:38 PM
Data Type: Reprocessed on 8/8/2006 4:39:51 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005138	5.1382	0.232	0.240	0.051	15:37:28	Yes
2	0.005113	5.1134	0.231	0.239	0.052	15:37:57	Yes
Mean:	0.005126	5.1258	0.231				
SD:	0.000018	0.017545	0.0008				
%RSD:	0.34230	0.34230	0.34				

QC value within limits for Hg 253.7 Recovery = 102.52%
All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 3:38:18 PM
Data Type: Reprocessed on 8/8/2006 4:39:51 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000062	-0.061575	-0.003	0.005	0.001	15:39:06	Yes
2	-0.000057	-0.056610	-0.003	0.005	0.001	15:39:35	Yes
Mean:	-0.000059	-0.059092	-0.003				
SD:	0.000004	0.003511	0.0002				
%RSD:	5.9419	5.9419	5.51				

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

Sequence No.: 13
Sample ID: 397833
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 17
Date Collected: 8/8/2006 3:40:33 PM
Data Type: Reprocessed on 8/8/2006 4:39:51 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 397833

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000137	-0.13720	-0.006	0.002	0.000	15:41:21	Yes
2	-0.000139	-0.13897	-0.006	0.002	0.000	15:41:50	Yes
Mean:	-0.000138	-0.13809	-0.006				
SD:	0.000001	0.001250	0.0001				
%RSD:	0.90538	0.90538	0.88				

Sequence No.: 14
Sample ID: 397834
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 18
Date Collected: 8/8/2006 3:42:08 PM
Data Type: Reprocessed on 8/8/2006 4:39:51 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 397834

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004438	4.4381	0.200	0.208	0.044	15:42:57	Yes
2	0.004423	4.4230	0.200	0.208	0.044	15:43:25	Yes
Mean:	0.004431	4.4305	0.200				
SD:	0.000011	0.010670	0.0005				
%RSD:	0.24082	0.24082	0.24				

001590

168051

Sequence No.: 15
Sample ID: 20608042801 D
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 19
Date Collected: 8/8/2006 3:43:43 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042801 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000145	-0.14549	-0.007	0.001	0.000	15:44:32	Yes
2	-0.000132	-0.13235	-0.006	0.002	0.000	15:45:01	Yes
Mean:	-0.000139	-0.13892	-0.006				
SD:	0.000009	0.009288	0.0004				
%RSD:	6.6860	6.6860	6.47				

Sequence No.: 16
Sample ID: 20608042802
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 20
Date Collected: 8/8/2006 3:45:20 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042802

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003461	3.4611	0.156	0.164	0.033	15:46:09	Yes
2	0.003468	3.4678	0.157	0.165	0.033	15:46:37	Yes
Mean:	0.003464	3.4644	0.156				
SD:	0.000005	0.004708	0.0002				
%RSD:	0.13590	0.13590	0.14				

Sequence No.: 17
Sample ID: 20608042803
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 21
Date Collected: 8/8/2006 3:46:56 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042803

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003625	3.6249	0.164	0.172	0.035	15:47:45	Yes
2	0.003624	3.6241	0.164	0.172	0.035	15:48:13	Yes
Mean:	0.003624	3.6245	0.164				
SD:	0.000001	0.000514	0.0000				
%RSD:	0.014184	0.014184	0.01				

Sequence No.: 18
Sample ID: 398470
Analyst:
Initial Sample Wt:
Dilution: 5X
Autosampler Location: 22
Date Collected: 8/8/2006 3:48:33 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 398470

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000827	-0.16549	-0.008	0.000	0.000	15:49:22	Yes
2	-0.000812	-0.16249	-0.008	0.001	0.000	15:49:51	Yes
Mean:	-0.000820	-0.16399	-0.008				
SD:	0.000011	0.002123	0.0001				
%RSD:	1.2943	1.2943	1.26				

Sequence No.: 19
Sample ID: 20608042804 D
Autosampler Location: 23
Date Collected: 8/8/2006 3:50:10 PM

001591

168052

Analyst:
Initial Sample Wt:
Dilution: 1X

Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042804 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000130	-0.12991	-0.006	0.002	0.000	15:50:59	Yes
2	-0.000164	-0.16391	-0.008	0.000	0.000	15:51:28	Yes
Mean:	-0.000147	-0.14691	-0.007				
SD:	0.000024	0.024039	0.0011				
%RSD:	16.363	16.363	15.86				

Sequence No.: 20
Sample ID: 20608042805 D
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 24
Date Collected: 8/8/2006 3:51:47 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042805 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000146	-0.14649	-0.007	0.001	0.000	15:52:37	Yes
2	-0.000134	-0.13383	-0.006	0.002	0.000	15:53:06	Yes
Mean:	-0.000140	-0.14016	-0.007				
SD:	0.000009	0.008953	0.0004				
%RSD:	6.3876	6.3876	6.18				

Sequence No.: 21
Sample ID: 20608042806 D
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 25
Date Collected: 8/8/2006 3:53:25 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042806 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000148	-0.14776	-0.007	0.001	0.000	15:54:15	Yes
2	-0.000137	-0.13699	-0.006	0.002	0.000	15:54:44	Yes
Mean:	-0.000142	-0.14237	-0.007				
SD:	0.000008	0.007616	0.0003				
%RSD:	5.3490	5.3490	5.18				

Sequence No.: 22
Sample ID: 20608042808 D
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 26
Date Collected: 8/8/2006 3:55:04 PM
Data Type: Reprocessed on 8/8/2006 4:39:52 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042808 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000145	-0.14520	-0.007	0.001	0.000	15:55:55	Yes
2	-0.000129	-0.12926	-0.006	0.002	0.000	15:56:23	Yes
Mean:	-0.000137	-0.13723	-0.006				
SD:	0.000011	0.011273	0.0005				
%RSD:	8.2145	8.2145	7.95				

Sequence No.: 23
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/8/2006 3:56:44 PM
Data Type: Reprocessed on 8/8/2006 4:39:53 PM
Initial Sample Vol:
Sample Prep Vol:

001592

168053

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005180	5.1802	0.234	0.242	0.052	15:57:34	Yes
2	0.005074	5.0743	0.229	0.237	0.052	15:58:03	Yes
Mean:	0.005127	5.1273	0.232				
SD:	0.000075	0.074930	0.0034				
%RSD:	1.4614	1.4614	1.46				

QC value within limits for Hg 253.7 Recovery = 102.55%
All analyte(s) passed QC.

Sequence No.: 24
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/8/2006 3:58:23 PM
Data Type: Reprocessed on 8/8/2006 4:39:53 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000058	-0.058427	-0.003	0.005	0.001	15:59:11	Yes
2	-0.000042	-0.042475	-0.002	0.006	0.001	15:59:40	Yes
Mean:	-0.000050	-0.050451	-0.002				
SD:	0.000011	0.011280	0.0005				
%RSD:	22.359	22.359	20.47				

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

Sequence No.: 25
Sample ID: 20608042809 D
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 27
Date Collected: 8/8/2006 3:59:58 PM
Data Type: Reprocessed on 8/8/2006 4:39:53 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042809 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000134	-0.13405	-0.006	0.002	0.000	16:00:49	Yes
2	-0.000134	-0.13422	-0.006	0.002	0.000	16:01:18	Yes
Mean:	-0.000134	-0.13413	-0.006				
SD:	0.000000	0.000119	0.0000				
%RSD:	0.089074	0.089074	0.09				

Sequence No.: 26
Sample ID: 20608042810 D
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 28
Date Collected: 8/8/2006 4:01:39 PM
Data Type: Reprocessed on 8/8/2006 4:39:53 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042810 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000137	-0.13690	-0.006	0.002	0.000	16:02:29	Yes
2	-0.000126	-0.12645	-0.006	0.002	0.000	16:02:58	Yes
Mean:	-0.000132	-0.13167	-0.006				
SD:	0.000007	0.007393	0.0003				
%RSD:	5.6149	5.6149	5.42				

Sequence No.: 27
Sample ID: 397831
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 29
Date Collected: 8/8/2006 4:03:19 PM
Data Type: Reprocessed on 8/8/2006 4:39:53 PM
Initial Sample Vol:
Sample Prep Vol:

168054

Replicate Data: 397831

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000140	-0.13970	-0.007	0.002	0.000	16:04:10	Yes
2	-0.000137	-0.13724	-0.006	0.002	0.000	16:04:39	Yes
Mean:	-0.000138	-0.13847	-0.006				
SD:	0.000002	0.001746	0.0001				
%RSD:	1.2606	1.2606	1.22				

Sequence No.: 28
Sample ID: 397832
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 30
Date Collected: 8/8/2006 4:05:01 PM
Data Type: Reprocessed on 8/8/2006 4:39:54 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 397832

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005109	5.1087	0.231	0.239	0.051	16:05:52	Yes
2	0.005100	5.1004	0.230	0.238	0.052	16:06:20	Yes
Mean:	0.005105	5.1045	0.231				
SD:	0.000006	0.005840	0.0003				
%RSD:	0.11440	0.11440	0.11				

Sequence No.: 29
Sample ID: 20608042801 T
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 31
Date Collected: 8/8/2006 4:06:42 PM
Data Type: Reprocessed on 8/8/2006 4:39:54 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042801 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000145	-0.14467	-0.007	0.001	0.000	16:07:34	Yes
2	-0.000143	-0.14330	-0.007	0.001	0.000	16:08:02	Yes
Mean:	-0.000144	-0.14398	-0.007				
SD:	0.000001	0.000970	0.0000				
%RSD:	0.67368	0.67368	0.65				

Sequence No.: 30
Sample ID: 20608042802
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 32
Date Collected: 8/8/2006 4:08:24 PM
Data Type: Reprocessed on 8/8/2006 4:39:54 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042802

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004064	4.0638	0.183	0.192	0.039	16:09:12	Yes
2	0.004057	4.0570	0.183	0.191	0.039	16:09:40	Yes
Mean:	0.004060	4.0604	0.183				
SD:	0.000005	0.004810	0.0002				
%RSD:	0.11847	0.11847	0.12				

Sequence No.: 31
Sample ID: 20608042803
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 33
Date Collected: 8/8/2006 4:09:58 PM
Data Type: Reprocessed on 8/8/2006 4:39:54 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042803

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

1	0.003883	3.8827	0.175	0.183	0.038	16:10:46	Yes
2	0.003834	3.8341	0.173	0.181	0.038	16:11:15	Yes
Mean:	0.003858	3.8584	0.174				
SD:	0.000034	0.034369	0.0016				
%RSD:	0.89075	0.89075	0.89				

Sequence No.: 32
Sample ID: 398469
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 34
Date Collected: 8/8/2006 4:11:33 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 398469

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000763	-0.15258	-0.007	0.001	0.000	16:12:21	Yes
2	-0.000818	-0.16368	-0.008	0.000	0.000	16:12:50	Yes
Mean:	-0.000791	-0.15813	-0.007				
SD:	0.000039	0.007844	0.0004				
%RSD:	4.9605	4.9605	4.82				

Sequence No.: 33
Sample ID: 20608043109 EQBLK
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 35
Date Collected: 8/8/2006 4:13:09 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608043109 EQBLK

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000128	-0.12823	-0.006	0.002	0.000	16:13:57	Yes
2	-0.000129	-0.12940	-0.006	0.002	0.000	16:14:26	Yes
Mean:	-0.000129	-0.12881	-0.006				
SD:	0.000001	0.000826	0.0000				
%RSD:	0.64113	0.64113	0.62				

Sequence No.: 34
Sample ID: 20608042804 T
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 36
Date Collected: 8/8/2006 4:14:45 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042804 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000144	-0.14382	-0.007	0.001	0.000	16:15:33	Yes
2	-0.000146	-0.14567	-0.007	0.001	0.000	16:16:02	Yes
Mean:	-0.000145	-0.14475	-0.007				
SD:	0.000001	0.001311	0.0001				
%RSD:	0.90542	0.90542	0.88				

Sequence No.: 35
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/8/2006 4:16:22 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005216	5.2156	0.236	0.244	0.052	16:17:13	Yes
2	0.005142	5.1418	0.232	0.240	0.051	16:17:41	Yes
Mean:	0.005179	5.1787	0.234				
SD:	0.000052	0.052138	0.0024				

168056

%RSD: 1.0068 1.0068 1.01
QC value within limits for Hg 253.7 Recovery = 103.57%
All analyte(s) passed QC.

Sequence No.: 36
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 4:18:02 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000054	-0.053504	-0.003	0.005	0.001	16:18:50	Yes
2	-0.000038	-0.038384	-0.002	0.006	0.001	16:19:19	Yes
Mean:	-0.000046	-0.045944	-0.002				
SD:	0.000011	0.010691	0.0005				
%RSD:	23.271	23.271	21.13				

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

Sequence No.: 37
Sample ID: 20608042805 T
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 37
Date Collected: 8/8/2006 4:19:37 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042805 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000140	-0.13951	-0.007	0.002	0.000	16:20:26	Yes
2	-0.000141	-0.14058	-0.007	0.002	0.000	16:20:55	Yes
Mean:	-0.000140	-0.14005	-0.007				
SD:	0.000001	0.000758	0.0000				
%RSD:	0.54117	0.54117	0.52				

Sequence No.: 38
Sample ID: 20608042806 T
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 38
Date Collected: 8/8/2006 4:21:14 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042806 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000121	-0.12137	-0.006	0.002	0.000	16:22:03	Yes
2	-0.000142	-0.14238	-0.007	0.001	0.000	16:22:32	Yes
Mean:	-0.000132	-0.13187	-0.006				
SD:	0.000015	0.014851	0.0007				
%RSD:	11.261	11.261	10.88				

Sequence No.: 39
Sample ID: 20608042808 T
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 39
Date Collected: 8/8/2006 4:22:51 PM
Data Type: Reprocessed on 8/8/2006 4:39:55 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042808 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000126	-0.12560	-0.006	0.002	0.001	16:23:41	Yes
2	-0.000110	-0.10992	-0.005	0.003	0.001	16:24:09	Yes
Mean:	-0.000118	-0.11776	-0.006				
SD:	0.000011	0.011081	0.0005				

168057

%RSD:	9.4098	9.4098	9.05

Sequence No.: 40
Sample ID: 20608042809 T
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 40
Date Collected: 8/8/2006 4:24:29 PM
Data Type: Reprocessed on 8/8/2006 4:39:56 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042809 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000120	-0.12029	-0.006	0.002	0.001	16:25:18	Yes
2	-0.000126	-0.12602	-0.006	0.002	0.000	16:25:47	Yes
Mean:	-0.000123	-0.12316	-0.006				
SD:	0.000004	0.004055	0.0002				
%RSD:	3.2930	3.2930	3.17				

Sequence No.: 41
Sample ID: 20608042810 T
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 41
Date Collected: 8/8/2006 4:26:07 PM
Data Type: Reprocessed on 8/8/2006 4:39:56 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042810 T

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000118	-0.11832	-0.006	0.003	0.000	16:26:57	Yes
2	-0.000131	-0.13116	-0.006	0.002	0.000	16:27:25	Yes
Mean:	-0.000125	-0.12474	-0.006				
SD:	0.000009	0.009079	0.0004				
%RSD:	7.2782	7.2782	7.02				

Sequence No.: 42
Sample ID: 20608042811 FLDBLK
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 42
Date Collected: 8/8/2006 4:27:46 PM
Data Type: Reprocessed on 8/8/2006 4:39:56 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 20608042811 FLDBLK

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000141	-0.14088	-0.007	0.001	0.000	16:28:36	Yes
2	-0.000145	-0.14463	-0.007	0.001	0.000	16:29:04	Yes
Mean:	-0.000143	-0.14276	-0.007				
SD:	0.000003	0.002652	0.0001				
%RSD:	1.8574	1.8574	1.80				

Sequence No.: 43
Sample ID: 20608042802 D
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 43
Date Collected: 8/8/2006 4:29:25 PM
Data Type: Reprocessed on 8/8/2006 4:39:56 PM
Initial Sample Vol:
Sample Prep Vol:

data not used CAB 8.8.06

Replicate Data: 20608042802 D

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003451	3.4506	0.156	0.164	0.032	16:30:15	Yes
2	0.003441	3.4413	0.155	0.163	0.033	16:30:44	Yes
Mean:	0.003446	3.4460	0.156				
SD:	0.000007	0.006578	0.0003				
%RSD:	0.19088	0.19088	0.19				

Sequence No.: 44

Autosampler Location: 5

001597

168058

Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:
Date Collected: 8/8/2006 4:31:04 PM
Data Type: Reprocessed on 8/8/2006 4:39:57 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005219	5.2185	0.236	0.244	0.052	16:31:54	Yes
2	0.005190	5.1898	0.234	0.242	0.052	16:32:23	Yes
Mean:	0.005204	5.2042	0.235				
SD:	0.000020	0.020291	0.0009				
%RSD:	0.38990	0.38990	0.39				

QC value within limits for Hg 253.7 Recovery = 104.08%
All analyte(s) passed QC.

Sequence No.: 45
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 4:32:43 PM
Data Type: Reprocessed on 8/8/2006 4:39:57 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000040	-0.040147	-0.002	0.006	0.001	16:33:32	Yes
2	-0.000048	-0.047728	-0.002	0.006	0.001	16:34:00	Yes
Mean:	-0.000044	-0.043937	-0.002				
SD:	0.000005	0.005361	0.0002				
%RSD:	12.201	12.201	11.03				

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

168059

MERCURY

SnCl2 ID 160·12·15
NaCl2/(NH2OH)2 160·12·8
INSTRUMENT FIMS

ANALYST CNB
DATE 8/8/2006
TIME 16:39

$R^2 = 0.999960$

AS LOC	HSN / CLIENT	SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600				99
1	ICB-1700				
5	CCV-1800				99
1	CCB-1900				
17	397837	MB for HBN 329582 S		Solid	
18	397838	LCS for HBN 329582 S		Solid	98
19	--- 4482 --- IV	20608043101		Solid	
20	IV	20608043102 MS		Solid	98
21	IV	20608043103 MSD		Solid	97
22	398568 IV	20608043101 SD	5 X	Solid	
23	IV	20608043104		Solid	
24	IV	20608043105		Solid	
25	IV	20608043106		Solid	
26	IV	20608043107		Solid	
5	CCV-1800				97
1	CCB-1900				
27	IV	20608043108		Solid	
28	398387	MB for HBN 329663 S		Solid	
29	398388	LCS for HBN 329663 S		Solid	101
30	--- 4484 --- E	20608051410		Solid	
31	E	20608051411 MS		Solid	94
32	E	20608051412 MSD		Solid	99
33	398569 E	20608051410 SD	5 X	Solid	
34	E	20608051401		Solid	
35	E	20608051402		Solid	
36	E	20608051403		Solid	
5	CCV-1800				99
1	CCB-1900				
37	E	20608051404		Solid	
38	E	20608051405		Solid	
39	E	20608051406		Solid	
40	E	20608051407		Solid	
41	E	20608051408		Solid	
42	E	20608051409		Solid	
43	E	20608051413		Solid	
44	E	20608051414		Solid	
45	E	20608051415		Solid	
46					
5	CCV-1800				99
1	CCB-1900				MAP 8/9/06
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:
2991 , 329715

Calibration ID: 20608085
HG STD ID: 160.52.8

ANALYST QC REV: CMB
SECONDARY REV: MAP

Go to page 2

Reprocessing Begun
Logged In Analyst: met Technique: AA FIMS-MHS

Results Data Set (original): 2060808 S
Results Library (original): C:\data-AA\met\Results\Results.mdb
Results Data Set (reprocessed):
Results Library (reprocessed):

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 8/8/2006 4:37:57 PM
Analyst: Data Type: Reprocessed on 8/8/2006 5:07:43 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]	0.002	0.011	0.002	16:38:45	No
2		[0.00]	0.002	0.011	0.002	16:39:14	No
Mean:		[0.00]	0.002				
SD:		0.00	0.0000				
%RSD:		0.00	1.17				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: STD 1 Date Collected: 8/8/2006 4:39:32 PM
Analyst: Data Type: Reprocessed on 8/8/2006 5:07:43 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]	0.008	0.018	0.004	16:40:21	No
2		[0.2]	0.007	0.018	0.004	16:40:49	No
Mean:		[0.2]	0.007				
SD:		0.0	0.0002				
%RSD:		0.0	2.55				

Standard number 1 applied. [0.2]
Correlation Coef.: 0.999976 Slope: 0.04522 Intercept: -0.00033

Sequence No.: 3 Autosampler Location: 3
Sample ID: STD 2 Date Collected: 8/8/2006 4:41:09 PM
Analyst: Data Type: Reprocessed on 8/8/2006 5:07:43 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]	0.019	0.029	0.006	16:41:58	No
2		[0.5]	0.018	0.029	0.006	16:42:27	No
Mean:		[0.5]	0.018				
SD:		0.0	0.0005				
%RSD:		0.0	2.79				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999941 Slope: 0.04534 Intercept: -0.00136

Sequence No.: 4 Autosampler Location: 4
Sample ID: STD 3 Date Collected: 8/8/2006 4:42:47 PM
Analyst: Data Type: Reprocessed on 8/8/2006 5:07:43 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]	0.077	0.088	0.019	16:43:36	No
2		[2]	0.076	0.086	0.019	16:44:05	No
Mean:		[2]	0.076				
SD:		0	0.0011				
%RSD:		0	1.41				

Standard number 3 applied. [2]
Correlation Coef.: 0.999512 Slope: 0.04551 Intercept: -0.00410

Sequence No.: 5
Sample ID: STD 4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/8/2006 4:44:25 PM
Data Type: Reprocessed on 8/8/2006 5:07:44 PM
Initial Sample Vol:
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]	0.187	0.197	0.042	16:45:15	No
2		[5]	0.185	0.195	0.042	16:45:43	No
Mean:		[5]	0.186				
SD:		0	0.0014				
%RSD:		0	0.78				

Standard number 4 applied. [5]
Correlation Coef.: 0.996194 Slope: 0.04439 Intercept: -0.00782

Sequence No.: 6
Sample ID: STD 5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 8/8/2006 4:46:04 PM
Data Type: Reprocessed on 8/8/2006 5:07:44 PM
Initial Sample Vol:
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]	0.378	0.389	0.085	16:46:55	No
2		[10]	0.377	0.388	0.085	16:47:23	No
Mean:		[10]	0.378				
SD:		0	0.0008				
%RSD:		0	0.21				

Standard number 5 applied. [10]
Correlation Coef.: 0.999960 Slope: 0.03771 Intercept: -0.00029

Calibration data for Hg 253.7 Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calibration Blank	0.0000	0	0.007564	0.00	1.2
STD 1	0.0075	0.2	0.205639	0.00	2.5
STD 2	0.0184	0.5	0.494974	0.00	2.8
STD 3	0.0763	2.0	2.030792	0.00	1.4
STD 4	0.1858	5.0	4.934104	0.00	0.8
STD 5	0.3778	10.0	10.026928	0.00	0.2

Correlation Coef.: 0.999960 Slope: 0.03771 Intercept: -0.00029

Sequence No.: 7
Sample ID: 1600
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 8/8/2006 4:47:46 PM
Data Type: Reprocessed on 8/8/2006 5:07:44 PM
Initial Sample Vol:
Sample Prep Vol:

001601

168062

Replicate Data: 1600

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004973	4.9728	0.187	0.198	0.043	16:48:35	No
2	0.004944	4.9443	0.186	0.197	0.043	16:49:03	No
Mean:	0.004959	4.9586	0.187				
SD:	0.000020	0.020143	0.0008				
%RSD:	0.40623	0.40623	0.41				

QC value within limits for Hg 253.7 Recovery = 99.17%
All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 1700
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 4:49:22 PM
Data Type: Reprocessed on 8/8/2006 5:07:45 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1700

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000022	0.021957	0.001	0.011	0.002	16:50:11	No
2	0.000006	0.006144	-0.000	0.010	0.002	16:50:39	No
Mean:	0.000014	0.014051	0.000				
SD:	0.000011	0.011182	0.0004				
%RSD:	79.582	79.582	172.37				

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

Sequence No.: 9
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 5
Date Collected: 8/8/2006 4:50:58 PM
Data Type: Reprocessed on 8/8/2006 5:07:45 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004971	4.9712	0.187	0.198	0.042	16:51:49	No
2	0.004932	4.9317	0.186	0.196	0.043	16:52:17	No
Mean:	0.004951	4.9515	0.186				
SD:	0.000028	0.027905	0.0011				
%RSD:	0.56357	0.56357	0.56				

QC value within limits for Hg 253.7 Recovery = 99.03%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 8/8/2006 4:52:38 PM
Data Type: Reprocessed on 8/8/2006 5:07:45 PM
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000021	0.020982	0.001	0.011	0.002	16:53:26	No
2	0.000002	0.002353	-0.000	0.010	0.002	16:53:55	No
Mean:	0.000012	0.011667	0.000				
SD:	0.000013	0.013173	0.0005				
%RSD:	112.91	112.91	321.01				

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

Sequence No.: 11
Sample ID: 397837
Analyst:
Autosampler Location: 17
Date Collected: 8/8/2006 4:54:14 PM
Data Type: Reprocessed on 8/8/2006 5:07:45 PM

Initial Sample Wt: 0.6 g
Dilution: 1X

Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 397837

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.011188	-0.22376	-0.009	0.002	0.000	16:55:02	No
2	-0.011797	-0.23594	-0.009	0.001	0.000	16:55:30	No
Mean:	-0.011492	-0.22985	-0.009				
SD:	0.000431	0.008616	0.0003				
%RSD:	3.7487	3.7487	3.63				

Sequence No.: 12
Sample ID: 397838
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 18
Date Collected: 8/8/2006 4:55:49 PM
Data Type: Reprocessed on 8/8/2006 5:07:45 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 397838

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24342	4.8683	0.183	0.194	0.042	16:56:37	No
2	0.24611	4.9222	0.185	0.196	0.043	16:57:06	No
Mean:	0.24476	4.8953	0.184				
SD:	0.001905	0.038101	0.0014				
%RSD:	0.77833	0.77833	0.78				

Replicate Data: 20608043101

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.007618	-0.15236	-0.006	0.004	0.001	16:58:13	Yes
2	-0.006808	-0.13615	-0.005	0.005	0.001	16:58:42	Yes
Mean:	-0.007213	-0.14426	-0.006				
SD:	0.000573	0.011463	0.0004				
%RSD:	7.9465	7.9465	7.55				

Sequence No.: 8
Sample ID: 20608043102
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 20
Date Collected: 8/8/2006 4:59:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043102

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24804	4.9608	0.187	0.197	0.044	16:59:49	Yes
2	0.24284	4.8567	0.183	0.193	0.044	17:00:18	Yes
Mean:	0.24544	4.9087	0.185				
SD:	0.003678	0.073567	0.0028				
%RSD:	1.4987	1.4987	1.50				

Sequence No.: 9
Sample ID: 20608043103
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 21
Date Collected: 8/8/2006 5:00:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043103

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24406	4.8813	0.184	0.194	0.042	17:01:26	Yes
2	0.24308	4.8617	0.183	0.194	0.042	17:01:54	Yes
Mean:	0.24357	4.8715	0.183				
SD:	0.000694	0.013874	0.0005				
%RSD:	0.28479	0.28479	0.29				

Sequence No.: 10
Sample ID: 398568
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X

Autosampler Location: 22
Date Collected: 8/8/2006 5:02:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 398568

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.062028	-0.24811	-0.010	0.001	0.000	17:03:03	Yes
2	-0.058551	-0.23421	-0.009	0.001	0.000	17:03:32	Yes
Mean:	-0.060290	-0.24116	-0.009				
SD:	0.002459	0.009835	0.0004				
%RSD:	4.0781	4.0781	3.95				

Sequence No.: 11
Sample ID: 20608043104
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 23
Date Collected: 8/8/2006 5:03:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043104

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

#	mg/kg	ug/L	Signal	Area	Height		Stored
1	-0.007826	-0.15652	-0.006	0.004	0.001	17:04:40	Yes
2	-0.007705	-0.15409	-0.006	0.004	0.001	17:05:10	Yes
Mean:	-0.007765	-0.15531	-0.006				
SD:	0.000086	0.001718	0.0001				
%RSD:	1.1060	1.1060	1.05				

Sequence No.: 12
Sample ID: 20608043105
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 24
Date Collected: 8/8/2006 5:05:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043105

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.006601	-0.13422	-0.005	0.005	0.001	17:06:19	Yes
2	-0.006425	-0.13064	-0.005	0.005	0.001	17:06:48	Yes
Mean:	-0.006513	-0.13243	-0.005				
SD:	0.000124	0.002528	0.0001				
%RSD:	1.9092	1.9092	1.81				

Sequence No.: 13
Sample ID: 20608043106
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 25
Date Collected: 8/8/2006 5:07:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043106

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.006117	-0.12235	-0.005	0.006	0.001	17:07:58	Yes
2	-0.006578	-0.13155	-0.005	0.005	0.001	17:08:26	Yes
Mean:	-0.006348	-0.12695	-0.005				
SD:	0.000325	0.006510	0.0002				
%RSD:	5.1279	5.1279	4.84				

Sequence No.: 14
Sample ID: 20608043107
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 26
Date Collected: 8/8/2006 5:08:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043107

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.005819	-0.11832	-0.005	0.006	0.001	17:09:37	Yes
2	-0.005753	-0.11697	-0.005	0.006	0.001	17:10:06	Yes
Mean:	-0.005786	-0.11765	-0.005				
SD:	0.000047	0.000951	0.0000				
%RSD:	0.80858	0.80858	0.76				

Sequence No.: 15
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/8/2006 5:10:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004946	4.9465	0.186	0.197	0.042	17:11:17	Yes
2	0.004798	4.7984	0.181	0.191	0.042	17:11:45	Yes
Mean:	0.004872	4.8724	0.183				

SD:	0.000105	0.10472	0.0039
%RSD:	2.1492	2.1492	2.15

QC value within limits for Hg 253.7 Recovery = 97.45%
All analyte(s) passed QC.

Sequence No.: 16
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/8/2006 5:12:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000023	0.023291	0.001	0.011	0.002	17:12:55	Yes
2	0.000007	0.006907	-0.000	0.011	0.002	17:13:23	Yes
Mean:	0.000015	0.015099	0.000				
SD:	0.000012	0.011585	0.0004				
%RSD:	76.726	76.726	153.74				

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

Sequence No.: 17
Sample ID: 20608043108
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 27
Date Collected: 8/8/2006 5:13:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608043108

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.006460	-0.12919	-0.005	0.005	0.001	17:14:32	Yes
2	-0.007487	-0.14975	-0.006	0.005	0.001	17:15:01	Yes
Mean:	-0.006973	-0.13947	-0.006				
SD:	0.000727	0.014534	0.0005				
%RSD:	10.421	10.421	9.88				

Sequence No.: 18
Sample ID: 398387
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 28
Date Collected: 8/8/2006 5:15:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 398387

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.008731	-0.17462	-0.007	0.004	0.001	17:16:13	Yes
2	-0.008580	-0.17160	-0.007	0.004	0.001	17:16:41	Yes
Mean:	-0.008655	-0.17311	-0.007				
SD:	0.000107	0.002138	0.0001				
%RSD:	1.2353	1.2353	1.18				

Sequence No.: 19
Sample ID: 398388
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 29
Date Collected: 8/8/2006 5:17:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 398388

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.25250	5.0500	0.190	0.201	0.044	17:17:53	Yes
2	0.25062	5.0125	0.189	0.199	0.044	17:18:22	Yes
Mean:	0.25156	5.0312	0.189				

001606

SD:	0.001326	0.026524	0.0010
%RSD:	0.52718	0.52718	0.53

Sequence No.: 20
Sample ID: 20608051410
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 30
Date Collected: 8/8/2006 5:18:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051410

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.016661	0.33322	0.012	0.023	0.005	17:19:35	Yes
2	0.016024	0.32048	0.012	0.022	0.005	17:20:03	Yes
Mean:	0.016342	0.32685	0.012				
SD:	0.000450	0.009009	0.0003				
%RSD:	2.7565	2.7565	2.82				

Sequence No.: 21
Sample ID: 20608051411
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 31
Date Collected: 8/8/2006 5:20:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051411

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.25442	5.0884	0.192	0.202	0.044	17:21:16	Yes
2	0.24933	4.9866	0.188	0.198	0.043	17:21:44	Yes
Mean:	0.25188	5.0375	0.190				
SD:	0.003601	0.072011	0.0027				
%RSD:	1.4295	1.4295	1.43				

Sequence No.: 22
Sample ID: 20608051412
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 32
Date Collected: 8/8/2006 5:22:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051412

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.25899	5.1799	0.195	0.206	0.044	17:22:54	Yes
2	0.26669	5.3337	0.201	0.211	0.046	17:23:23	Yes
Mean:	0.26284	5.2568	0.198				
SD:	0.005439	0.10878	0.0041				
%RSD:	2.0692	2.0692	2.07				

Sequence No.: 23
Sample ID: 398569
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X

Autosampler Location: 33
Date Collected: 8/8/2006 5:23:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 398569

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.026322	-0.10529	-0.004	0.006	0.001	17:24:30	Yes
2	-0.029629	-0.11852	-0.005	0.006	0.001	17:25:00	Yes
Mean:	-0.027975	-0.11190	-0.005				
SD:	0.002339	0.009354	0.0004				
%RSD:	8.3592	8.3592	7.83				

001607

168068

Sequence No.: 24
Sample ID: 20608051401
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 34
Date Collected: 8/8/2006 5:25:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051401

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.026351	0.52702	0.020	0.030	0.006	17:26:12	Yes
2	0.026699	0.53397	0.020	0.030	0.006	17:26:42	Yes
Mean:	0.026525	0.53050	0.020				
SD:	0.000246	0.004919	0.0002				
%RSD:	0.92718	0.92718	0.94				

Sequence No.: 25
Sample ID: 20608051402
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 35
Date Collected: 8/8/2006 5:27:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051402

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018216	0.36432	0.013	0.024	0.005	17:27:53	Yes
2	0.018985	0.37971	0.014	0.025	0.005	17:28:23	Yes
Mean:	0.018601	0.37201	0.014				
SD:	0.000544	0.010883	0.0004				
%RSD:	2.9253	2.9253	2.99				

Sequence No.: 26
Sample ID: 20608051403
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 36
Date Collected: 8/8/2006 5:28:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051403

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.022426	0.45599	0.017	0.027	0.006	17:29:34	Yes
2	0.020586	0.41858	0.015	0.026	0.006	17:30:03	Yes
Mean:	0.021506	0.43729	0.016				
SD:	0.001301	0.026448	0.0010				
%RSD:	6.0483	6.0483	6.15				

Sequence No.: 27
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/8/2006 5:30:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004927	4.9266	0.185	0.196	0.042	17:31:14	Yes
2	0.004939	4.9387	0.186	0.196	0.043	17:31:43	Yes
Mean:	0.004933	4.9326	0.186				
SD:	0.000009	0.008560	0.0003				
%RSD:	0.17354	0.17354	0.17				

QC value within limits for Hg 253.7 Recovery = 98.65%
All analyte(s) passed QC.

Sequence No.: 28
Sample ID: 1900

Autosampler Location: 1
Date Collected: 8/8/2006 5:32:04 PM

001608

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000018	0.018262	0.000	0.011	0.002	17:32:55	Yes
2	0.000009	0.008567	0.000	0.011	0.002	17:33:24	Yes
Mean:	0.000013	0.013414	0.000				
SD:	0.000007	0.006856	0.0003				
%RSD:	51.106	51.106	117.17				

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

Sequence No.: 29
Sample ID: 20608051404
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 37
Date Collected: 8/8/2006 5:33:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051404

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002793	-0.056785	-0.002	0.008	0.002	17:34:33	Yes
2	-0.002685	-0.054599	-0.002	0.008	0.002	17:35:02	Yes
Mean:	-0.002739	-0.055692	-0.002				
SD:	0.000076	0.001545	0.0001				
%RSD:	2.7749	2.7749	2.44				

Sequence No.: 30
Sample ID: 20608051405
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 38
Date Collected: 8/8/2006 5:35:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051405

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.012085	0.24169	0.009	0.019	0.004	17:36:12	Yes
2	0.012651	0.25302	0.009	0.020	0.004	17:36:41	Yes
Mean:	0.012368	0.24735	0.009				
SD:	0.000400	0.008006	0.0003				
%RSD:	3.2366	3.2366	3.34				

Sequence No.: 31
Sample ID: 20608051406
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 39
Date Collected: 8/8/2006 5:37:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051406

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.019458	0.39566	0.015	0.025	0.005	17:37:50	Yes
2	0.017715	0.36020	0.013	0.024	0.005	17:38:19	Yes
Mean:	0.018587	0.37793	0.014				
SD:	0.001233	0.025071	0.0009				
%RSD:	6.6338	6.6338	6.77				

Sequence No.: 32
Sample ID: 20608051407
Analyst:
Initial Sample Wt: 0.61 g

Autosampler Location: 40
Date Collected: 8/8/2006 5:38:39 PM
Data Type: Original
Initial Sample Vol:

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Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20608051407

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.015033	0.30567	0.011	0.022	0.005	17:39:30	Yes
2	0.014516	0.29515	0.011	0.021	0.005	17:39:59	Yes
Mean:	0.014774	0.30041	0.011				
SD:	0.000366	0.007442	0.0003				
%RSD:	2.4773	2.4773	2.54				

Sequence No.: 33 Autosampler Location: 41
Sample ID: 20608051408 Date Collected: 8/8/2006 5:40:18 PM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20608051408

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.021931	0.43862	0.016	0.027	0.006	17:41:09	Yes
2	0.020890	0.41779	0.015	0.026	0.006	17:41:38	Yes
Mean:	0.021410	0.42821	0.016				
SD:	0.000736	0.014727	0.0006				
%RSD:	3.4392	3.4392	3.50				

Sequence No.: 34 Autosampler Location: 42
Sample ID: 20608051409 Date Collected: 8/8/2006 5:41:58 PM
Analyst: Data Type: Original
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20608051409

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.026480	0.52960	0.020	0.030	0.006	17:42:49	Yes
2	0.027848	0.55695	0.021	0.031	0.006	17:43:17	Yes
Mean:	0.027164	0.54328	0.020				
SD:	0.000967	0.019343	0.0007				
%RSD:	3.5604	3.5604	3.61				

Sequence No.: 35 Autosampler Location: 43
Sample ID: 20608051413 Date Collected: 8/8/2006 5:43:38 PM
Analyst: Data Type: Original
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20608051413

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.013736	0.27930	0.010	0.021	0.004	17:44:29	Yes
2	0.012933	0.26296	0.010	0.020	0.004	17:44:58	Yes
Mean:	0.013334	0.27113	0.010				
SD:	0.000568	0.011551	0.0004				
%RSD:	4.2604	4.2604	4.38				

Sequence No.: 36 Autosampler Location: 44
Sample ID: 20608051414 Date Collected: 8/8/2006 5:45:19 PM
Analyst: Data Type: Original
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20608051414

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Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.011942	0.24283	0.009	0.019	0.004	17:46:10	Yes
2	0.010675	0.21706	0.008	0.018	0.004	17:46:39	Yes
Mean:	0.011309	0.22995	0.008				
SD:	0.000896	0.018218	0.0007				
%RSD:	7.9229	7.9229	8.19				

Sequence No.: 37
Sample ID: 20608051415
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 45
Date Collected: 8/8/2006 5:47:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20608051415

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.014705	0.29410	0.011	0.021	0.005	17:47:51	Yes
2	0.014732	0.29465	0.011	0.021	0.005	17:48:20	Yes
Mean:	0.014719	0.29437	0.011				
SD:	0.000019	0.000389	0.0000				
%RSD:	0.13214	0.13214	0.14				

User canceled analysis.

Analysis Begun

Logged In Analyst: met
Spectrometer Model: FIMS-400, S/N B050-9560

Technique: AA FIMS-MHS
Autosampler Model: AS-90

Sample Information File: N:\Metals Sample Info\Sample Info.sif
Batch ID:
Results Data Set: 2060808 S
Results Library: C:\data-AA\met\Results\Results.mdb

Sequence No.: 39
Sample ID: 1800
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 8/8/2006 5:48:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1800

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004922	4.9217	0.185	0.196	0.042	17:49:46	Yes
2	0.004940	4.9403	0.186	0.197	0.043	17:50:15	Yes
Mean:	0.004931	4.9310	0.186				
SD:	0.000013	0.013178	0.0005				
%RSD:	0.26725	0.26725	0.27				

QC value within limits for Hg 253.7 Recovery = 98.62%
All analyte(s) passed QC.

Sequence No.: 40
Sample ID: 1900
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 8/8/2006 5:50:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1900

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.000021	-0.021427	-0.001	0.009	0.002	17:51:24	Yes
2	0.000040	0.039643	0.001	0.012	0.002	17:51:53	Yes
Mean:	0.000009	0.009108	0.000				
SD:	0.000043	0.043183	0.0016				
%RSD:	474.14	474.14	>999.9%				

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

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-4-06 11:20	BATCH NO:	329581
MATRIX:	WATER ☐ SOIL ☑ TCLP EXT ☐ ORGANIC ☐	METHOD:	200.7 ☐ 3010A ☐ 3050B ☑ 3051 ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL	FINAL VOLUME (mL)	COMMENTS	REAGENTS/ STANDARDS
1	QC ACCOUNT	MB for HBN 329581 [DIGM/12372]	397835	1.25	50		HNO3 334-59-2
2	QC ACCOUNT	LCS for HBN 329581 [DIGM/12372	397836	1.25			
3	4482	FWPSE01-001-(0-0.5)	20608043101	1.25			HCL 334-59-3
4	4482	FWPSE01-001-(0-0.5) MS	20608043102	1.25			
5	4482	FWPSE01-001-(0-0.5) MSD	20608043103	1.25			H2O2 334-56-8
6	4482	SE-501-(0-0.5)	20608043104	1.26			
7	4482	FWPSE04-004-(0-0.5)	20608043105	1.26			
8	4482	FWPSE02-002-(0-0.5)	20608043106	1.25			
9	4482	FWPSE03-003-(0-0.5)	20608043107	1.25			
10	4482	FWPSE05-005-(0-0.5)	20608043108	1.26			
11							
12							
13							
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL 334-58-12
20							
21							GCALI-2 - 250uL 334-58-13
22							
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
B2	JH	8-7-06
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JH	[illegible]	8-7-06

001613

168074

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-7-06 10:30	BATCH NO:	329578
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 329578 [DIGM/12369]	397829	50	50		HNO3 334-59-8
2	QC ACCOUNT	LCS for HBN 329578 [DIGM/12369	397830				
3	4482	FWPSW01-001	20608042801				HCL 334-59-3
4	4482	FWPSW01-001 MS	20608042802				
5	4482	FWPSW01-001 MSD	20608042803				H2O2
6	4482	SW-600	20608042804				
7	4482	FWPSW02-002	20608042805				
8	4482	FWPSW02-003	20608042806				
9	4482	SPSW01-001	20608042808				
10	4482	SPSW01-002	20608042809				
11	4482	SPSW01-003	20608042810				
12	4482	FWPSE-006-EB	20608043109				
13							
14							
15							
16							
17							SPIKING SOLUTIONS (LCS/MS)
18							
19							GCALI-1 - 250uL 334-58-12
20							
21							GCALI-2 - 250uL 33458-13
22							
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS: DISS

BLOCK ID	TECHNICIAN	DATE
BZ	JCL	8-7-06
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JCL	[illegible]	8-7-06

001614

168075

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-7-06 11:20	BATCH NO:	329582
MATRIX:	WATER ☐ SOIL ☑ TCLP EXT ☐ ORGANIC ☐	METHOD:	245.2 ☐ 7470A ☐ 7471A ☑

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL	FINAL VOLUME (mL)	COMMENTS	REAGENTS/ STANDARDS
1	QC ACCOUNT	MB for HBN 329582 [DIGM/12373]	397837	0.60	30		HNO3
2	QC ACCOUNT	LCS for HBN 329582 [DIGM/12373	397838	0.60			
3	4482	FWPSE01-001-(0-0.5)	20608043101	0.60			H2SO4
4	4482	FWPSE01-001-(0-0.5) MS	20608043102	0.60			
5	4482	FWPSE01-001-(0-0.5) MSD	20608043103	0.60			Aqua Regia 334-58-18
6	4482	SE-501-(0-0.5)	20608043104	0.60			
7	4482	FWPSE04-004-(0-0.5)	20608043105	0.60			KMNO4 334-59-1
8	4482	FWPSE02-002-(0-0.5)	20608043106	0.60			
9	4482	FWPSE03-003-(0-0.5)	20608043107	0.60			K2S2O6
10	4482	FWPSE05-005-(0-0.5)	20608043108	0.60	J		
11							Hg Calib ID
12							
13							0.1 ppm CCV Working Solution
14							
15							0.1 ppm ICV Working Solution
16							
17							Hg ICV
18							
19							SPIKE SOLUTIONS (LCS/MS)
20							
21							Hg Spike 100uL / 150uL 160-528
22							
23							ORGANOMETALLIC HG SPIKE 0.025g
24							
25							
26							

Hg Solid Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	60 uL	30mL
Standard 2	0.50	150 uL	30 mL
Standard 3	2.00	600 uL	30 mL
Standard 4	5.00	1500 ul	30 mL
Standard 5	10.0	3000 uL	30 mL
ICV	5.00	1500 uL	30 mL

Hg Water Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 ul	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

BLOCK ID	TECHNICIAN	DATE
BL	TCL	8-7-06 TCL
REPIPET BOTTLES VERIFIED	REVIEW	DATE
JCL	KSM	8-7-06

001615

168076

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	8-7-06 9:40	BATCH NO:	329579
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 329579 [DIGM/12370]	397831	20	20		HNO3 336-59-2
2	QC ACCOUNT	LCS for HBN 329579 [DIGM/12370	397832				
3	4482	FWPSW01-001	20608042801				H2SO4 336-55-6
4	4482	FWPSW01-001 MS	20608042802				
5	4482	FWPSW01-001 MSD	20608042803				Aqua Regia
6	4482	SW-600	20608042804				
7	4482	FWPSW02-002	20608042805				KMN04 336-59-1
8	4482	FWPSW02-003	20608042806				
9	4482	SPSW01-001	20608042808				K2S2O6 336-59-8
10	4482	SPSW01-002	20608042809				
11	4482	SPSW01-003	20608042810				Hg Calib ID
12	4482	SP-004-FB	20608042811				
13	4482	FWPSE-006-EB	20608043109				0.1 ppm CCV Working Solution
14							
15							0.1 ppm ICV Working Solution
16							
17							Hg ICV
18							
19							SPIKE SOLUTIONS (LCS/MS)
20							
21							Hg Spike 100uL 150uL 1160-32-8
22							
23							ORGANOMETALLIC HG SPIKE 0.025g
24							
25							
26							

Hg Solid Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	60 uL	30mL
Standard 2	0.50	150 uL	30 mL
Standard 3	2.00	600 uL	30 mL
Standard 4	5.00	1500 ul	30 mL
Standard 5	10.0	3000 uL	30 mL
ICV	5.00	1500 uL	30 mL

Hg Water Calibration

Calib Blk	Conc (ug/L)	0.1ppm Spk Added	Final Volume
Standard 1	0.20	40 uL	20 mL
Standard 2	0.50	100 uL	20 mL
Standard 3	2.00	400 uL	20 mL
Standard 4	5.00	1000 ul	20 mL
Standard 5	10.0	2000 uL	20 mL
ICV	5.00	1000 uL	20 mL

BLOCK ID	TECHNICIAN	DATE
A2	JCL	8-7-06
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JCL	[illegible]	8-7-06

001616

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043101	FWPSE01-001-(0-0.5)	Solid	08/02/2006 13:50	08/04/2006 09:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/05/2006 17:45	AEL	329624

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	42.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043101	FWPSE01-001-(0-0.5)	Solid	08/02/2006 13:50	08/04/2006 09:50

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/09/2006 08:30	AEL	330192

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
20608043104	SE-501-(0-0.5)	Solid	08/02/2006 14:05	08/04/2006 09:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/05/2006 17:45	AEL	329624

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	43.2			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043104	SE-501-(0-0.5)	Solid	08/02/2006 14:05	08/04/2006 09:50

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/09/2006 08:30	AEL	330192

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

001620

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043105	FWPSE04-004-(0-0.5)	Solid	08/02/2006 14:20	08/04/2006 09:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/05/2006 17:45	AEL	329624

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	42.5			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

001621

168082

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043105	FWPSE04-004-(0-0.5)	Solid	08/02/2006 14:20	08/04/2006 09:50

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/09/2006 08:30	AEL	330192

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
20608043106	FWPSE02-002-(0-0.5)	Solid	08/02/2006 15:00	08/04/2006 09:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/05/2006 17:45	AEL	329624

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	56.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043106	FWPSE02-002-(0-0.5)	Solid	08/02/2006 15:00	08/04/2006 09:50

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/09/2006 08:30	AEL	330192

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

001624

168085

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043107	FWPSE03-003-(0-0.5)	Solid	08/02/2006 15:25	08/04/2006 09:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/05/2006 17:45	AEL	329624

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	44.4			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043107	FWPSE03-003-(0-0.5)	Solid	08/02/2006 15:25	08/04/2006 09:50

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/09/2006 08:30	AEL	330192

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
20608043108	FWPSE05-005-(0-0.5)	Solid	08/02/2006 15:50	08/04/2006 09:50

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/05/2006 17:45	AEL	329624

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	46.8			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043108	FWPSE05-005-(0-0.5)	Solid	08/02/2006 15:50	08/04/2006 09:50

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	08/09/2006 08:30	AEL	330192

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

001628

General Chemistry Quality Control Summary

Analytical Batch 330192	Client ID	MB330192			LCS330192		
Prep Batch N/A	GCAL ID	399634			399635		
	Sample Type	Method Blank			LCS		
	Analytical Date	08/09/2006 08:30			08/09/2006 08:30		
	Matrix	Solid			Solid		
SW-846 9060M TOC		**Units**	mg/kg	**Spike**	**Result**		**Control**
		Result	**RDL**	**Added**		**% R**	**Limits % R**
C-012 Total Organic Carbon		200U	200	2000	1940	97	69 - 128

Analytical Batch 330192	Client ID	NB4SE08-024(1-2)		397143DUP		
Prep Batch N/A	GCAL ID	20608030301		399638		
	Sample Type	SAMPLE		DUP		
	Analytical Date	08/09/2006 08:30		08/09/2006 08:30		
	Matrix	Solid		Solid		
SW-846 9060M TOC		**Units**	mg/kg	**Result**		**RPD**
		Result	**RDL**		**RPD**	**Limit**
C-012 Total Organic Carbon		0.000	200	0.000	0	25

004629

168090

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION

DW TMS TS

HBN	329623	329624	329745	ANALYST:	CDT/ABL		DATE:	8/5/2006
SOLI	7586	7587	7598	REVIEW:	bmc 8/8/06		TIME:	17:45:00

Sample ID	Pan ID	Pan Mass (g)	Initial Mass (g) (Sample & Pan)	Final Mass (g) (Sample & Pan)	Initial Mass (g) (Pan)	Final Mass (g) (Pan)	% Moisture in Sample	% Solids in Sample
20608044101 * bmc	1	0.9975	11.7365	10.7628	10.7390	9.7653	9.07	90.93
20608044102	2	0.9807	11.2301	10.5442	10.2494	9.5635	6.69	93.31
20608044103	3	0.9826	11.2271	9.2793	10.2445	8.2967	19.01	80.99
20608044104	4	0.9754	11.7627	11.3088	10.7873	10.3334	4.21	95.79
20608044105	5	0.9893	11.4878	9.8682	10.4985	8.8789	15.43	84.57
20608044106	6	0.9947	11.4807	10.1999	10.4860	9.2052	12.21	87.79
20608044107	7	0.9818	11.3327	10.7532	10.3509	9.7714	5.60	94.40
20608044108	8	0.9936	11.4135	10.2108	10.4199	9.2172	11.54	88.46
20608044109	9	0.9916	11.3027	9.9415	10.3111	8.9499	13.20	86.80
20608044110 **	10	0.9928	11.4814	10.9365	10.4886	9.9437	5.20	94.80
20608044111	11	0.9924	11.5787	10.2219	10.5863	9.2295	12.82	87.18
20608044112	12	0.9871	11.4102	9.9558	10.4231	8.9687	13.95	86.05
20608044115	13	0.9880	11.0670	9.8490	10.0790	8.8610	12.08	87.92
20608043101 *	14	0.9921	11.2237	6.9301	10.2316	5.9380	41.96	58.04
20608043104	15	0.9848	11.8474	7.1580	10.8626	6.1732	43.17	56.83
20608043105	16	0.9932	11.3987	6.9791	10.4055	5.9859	42.47	57.53
20608043106	17	0.9894	11.4198	5.5775	10.4304	4.5881	56.01	43.99
20608043107	18	0.9900	11.6399	6.9144	10.6499	5.9244	44.37	55.63
20608043108	19	0.9878	11.1753	6.4122	10.1875	5.4244	46.75	53.25
TS % = (Final Sample Mass x 100) / Initial Sample Mass								
TM % = 100-TS%								

* Samples 20608043102 and 20608043103 results were post using original sample (20608044101).

** Sample 20608044113 and 20608044114 results were post using original sample (20608044110).

0011630

168091

TOTAL ORGANIC CARBON SOLIDS - SHIMADZU 5050A & SSM 5000A

DATE: Rec 8-9-06 Tue 8-9-06
TIME: 8:36
ANALYST: AEL

330192 / 2747

CALIBRATION DATE: 5-4-06
TC FILE # 7
IC FILE # 8

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	<100	<100	0	30X	
CCV TC	2	0.0252	9895	—	9895 / 10,000		99
CCV IC	3	0.0998	—	9800	9800 / 10,000		98
LCS TC	4	0.0050	1935	—	1935 / 2,000		
LCS IC	5	0.0174	—	2039	2039 / 2,000		
20608030301	6	0.1000	<100	<100	0		
dup	6	0.1001	<100	<100	0		
dup	6	0.1001	<100	<100	0		
dup	6	0.1000	<100	<100	0		
20608030302	7	0.1000	<100	<100	0		
20608030303	8	0.0999	<100	<100	0		
20608030304	9	0.1000	<100	<100	0		
20608030305	10	0.0998	<100	<100	0		
CCV TC	11	0.0251	9578	—	Rec 8-9-06 ~~9775~~ 9578/10,000		96
CCB	12	0.0000	<100	<100	0		
20608030307	13	0.1001	<100	9768	0		
20608030308	14	0.0999	<100	5855	0		
20608030309	15	0.0999	<100	6015	0		
20608043101	16	0.1000	<100	<100	0		
20608043104	17	0.1000	<100	<100	0		
20608043105	18	0.1001	<100	1987	0		
20608043106	19	0.1000	<100	<100	0		
20608043107	20	0.1001	<100	2147	0		

CCV LOT #: TC 4912 KBxS IC E470
LCS LOT #: TC E509 IC V669767

PAGE: 1 of 2

ANALYST REVIEW: AEL 8-9-06
SECONDARY REVIEW: fmc 8-11-06

0016631

168092

TOTAL ORGANIC CARBON SOLIDS - SHIMADZU 5050A & SSM 5000A

DATE: 8-9-06
TIME: 8:30
ANALYST: AEZ

330192 / 2747

CALIBRATION DATE: 5-4-06
TC FILE #: 7
IC FILE #: 8

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
20608043108	21	0.1000	<100	2550	0	30 X	
CCV TC	22	0.0250	10137	—	10137 / 10000	↓	101
CCV IC	23	0.1001	—	10295	10295 / 10,000	↓	103
CCB	24	0.0000	<100	<100	0	↓	

CCV LOT #: TC 4912 KPXS IC E470
LCS LOT #: TC E109 IC V669767

PAGE: 2 of 2

ANALYST REVIEW: AEZ 8-9-06
SECONDARY REVIEW: bmc 8-11-06

001632

168093

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	20608043I	8-11-06

Report to:
Client: PB&W
Address:
Contact: Eric Pastor
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number

Project Name/Number: Gulfco Marine Maintenance Superfund Site

Sampled By: Katy Garcia Benchmark Ecological Services, Inc.

Analytical Requests & Method

Lab use only:
Custody Seal used ~~yes~~ no; in tact ~~yes~~ no
Temperature °C 5

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	VOC	SVOC	Metals	Pesticides	PCBs	TOC	Grain size *	PCB congeners *	% M	Matrix Spike	Matrix Spike Dup.	Remarks:	Lab ID
S	8/2/06	13:50		X	FWPSE01-001-(0-0.5)	4°C	5	X	X	X	X	X	X	X	X	X				1
|	|	1		X	FWPSE01-001-(0-0.5)-MS/MSD	|	7	X	X	X	X	X			X	X	X	X	MS/MSD	2, 3
|	|	14:05		X	SE-501-(0-0.5)	|	4	X	X	X	X	X	X		X	X				4
|	|	14:20		X	FWPSE04-004-(0-0.5)	|	4	X	X	X	X	X	X	X		X				5
|	|	15:00		X	FWPSE02-002-(0-0.5)	|	4	X	X	X	X	X	X	X		X				6
|	|	15:25		X	FWPSE03-003-(0-0.5)	|	4	X	X	X	X	X	X	X		X				7
|	|	15:50		X	FWPSE05-005-(0-0.5)	|	4	X	X	X	X	X	X	X		X				8
W		16:15		X	FWPSE-006-EB	HCl, HNO3, 4°C	8	X	X	X	X	X								9
W		13:50		X	FWP-003	HCL, 4°C	3	X											Trip Blank	10

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
8-3-06 17:30 Katy M. Garcia			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		8-4-06	950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
* PCB congeners & Grain size are 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

168094

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206080431	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	45721	**Created:**	8/4/2006 13:21
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**
20608043101-1	2	NONE			X			X	OK
20608043101-2	16	NONE			X			X	OK
20608043101-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043102-1	2	NONE			X			X	OK
20608043102-2	16	NONE			X			X	OK
20608043102-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043103-1	2	NONE			X			X	OK
20608043103-2	16	NONE			X			X	OK
20608043103-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043104-1	2	NONE			X			X	OK
20608043104-2	16	NONE			X			X	OK
20608043104-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043105-1	2	NONE			X			X	OK
20608043105-2	16	NONE			X			X	OK
20608043105-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043106-1	2	NONE			X			X	OK
20608043106-2	16	NONE			X			X	OK
20608043106-3	4	NONE			X			X	OK

001634

168095

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043107-1	2	NONE			X			X	OK
20608043107-2	16	NONE			X			X	OK
20608043107-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043108-1	2	NONE			X			X	OK
20608043108-2	16	NONE			X			X	OK
20608043108-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043109-1	OC	HNO3	—					X	OK
20608043109-2	LA	NONE			X			X	OK
20608043109-3	LA	NONE			X			X	OK
20608043109-4	LA	NONE			X			X	OK
20608043109-5	LA	NONE			X			X	OK
20608043109-6	40	HCL			—	—			OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043110-1	40	HCL			—	—			OK

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

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

LABEL(S) VERIFIED RBG CUSTODIAN MR

001635

168096

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 09/21/2006

GCAL Report 206080431

RESUBMITTED

Deliver To Pastor, Behling, & Wheeler
2201 Double Creek Dr.
Suite 4004
Round Rock, TX 78664
512-671-3434

Attn Jen Pavesi

Customer Pastor, Behling, & Wheeler

PROJECT NAME Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080431

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

Selected pages of the report are resubmitted. In the SW-846 8081A analysis, the retention time window was inadvertently set too wide. A review of the data showed that a reported target analyte was not confirmed (did not elute within the correct retention time window). The Form I and raw data are resubmitted for sample 20608043109 (FWPSE-006-EB).

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis for analytical batch 329645, no MS/MSD was performed due to insufficient sample volume. The LCS/LCSD exhibited marginal sporadic recovery failures for the extended list of spike compounds. Bromomethane exhibited an increased response in the CCV yielding a percent drift of 173. However, Bromomethane was not detected in the samples.

In the SW-846 8260B analysis, samples 20608043101 (FWPSE01-001-(0-0.5)), 20608043104 (SE-501-(0-0.5)), 20608043105 (FWPSE04-004-(0-0.5)), 20608043106 (FWPSE02-002-(0-0.5)), 20608043107 (FWPSE03-003-(0-0.5)), 20608043108 (FWPSE05-005-(0-0.5)), 20608043102 (FWPSE01-001-(0-0.5) MS)) and 20608043103 (FWPSE01-001-(0-0.5) MSD)) 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 8260B analysis for analytical batch 330354, the MS/MSD exhibited sporadic recovery and RPD failures. This is attributed to matrix interference. Isopropylbenzene was recovered above the upper control limit in the LCS/MS/MSD. However, Isopropylbenzene was not detected above the requested detection limit in any of the associated samples during analysis. 2-Chloroethyl vinyl ether was outside the control limit in the LCS and LCSD.

In the SW-846 8260B analysis, Bromomethane is outside the control limit in the ICV analyzed on instrument MSV3 on 07/21/06. Chloroethane and Styrene are above the upper control limits in the ICV analyzed on instrument MSV5 on 08/07/06. Acrolein was above the upper control limit in the ICV analyzed on 08/10/06.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis for prep batch 329585, the MS/MSD exhibited sporadic recovery and RPD failures. This is attributed to matrix interference. Benzaldehyde,

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Benzoic acid, n-Nitrosodimethylamine and 4-Nitroaniline were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD exhibited an RPD failure.

In the SW-846 8270C analysis for prep batch 329588, the MS/MSD exhibited sporadic recovery failures. This is attributed to matrix interference. 2,4-Dinitrophenol, Hexachlorocyclopentadiene, n-Nitrosodimethylamine, Benzaldehyde and 4,6-Dinitro-2-methylphenol were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD exhibited an RPD failure.

In the SW-846 8270C analysis, Pyridine was outside the control limit in the ICV analyzed on instrument MSSV5 on 08/03/06.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A and 8082 analyses, samples 20608043101 (FWPSE01-001-(0-0.5)), 20608043102 (FWPSE01-001-(0-0.5) MS)), 20608043103 (FWPSE01-001-(0-0.5) MSD)), 20608043104 (SE-501-(0-0.5)), 20608043105 (FWPSE04-004-(0-0.5)), 20608043106 (FWPSE02-002-(0-0.5)), 20608043107 (FWPSE03-003-(0-0.5)) and 20608043108 (FWPSE05-005-(0-0.5)) required a dilution prior to analysis to eliminate the interference of non-target background. This dilution is reflected in elevated detection limits. The surrogate recovery for Decachlorobiphenyl and/or Tetrachloro-m-xylene are reported as "DO" (diluted out) due to the dilution performed on these samples.

In the SW-846 8082 analysis for prep batch 329587, the MS/MSD recoveries are not applicable due to the dilution that was required on the associated sample. This is attributed to the sample matrix. The LCS/LCSD recoveries were within limits.

In the SW-846 8081A analysis for prep batch 329586, the MS/MSD recoveries are not applicable due to the dilution that was required on the associated sample. This is attributed to the sample matrix. The MS/MSD exhibited RPD failures. The LCS/LCSD recoveries were within limits.

METALS

In the SW-846 6010B analysis for prep batch 329578, the MS and/or MSD recovery was outside the control limits for Lithium. 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 144%. Boron and Chromium 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.

In the SW-846 6010B analysis for prep batch 329581, the MS and/or MSD recoveries were outside the control limits for Antimony 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

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batch with recoveries of 95% for Antimony and 191% 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. Chromium, Nickel and Titanium 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.

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: FWPSE-006-EB

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

Matrix: Water | SAS No.: | SDG No.: 206080431

Sample wt/vol: 1000 | Units: mL | Lab Sample ID: 20608043109

Level: (low/med) LOW | Date Collected: 08/02/06 | Time: 1615

% Moisture: | decanted: (Y/N) | Date Received: 08/04/06

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

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 08/07/06 | Time: 1848

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

Injection Volume: 1 (µL) | Prep Method: 3510C

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

Prep Batch: 329583 | Analytical Batch: 329857 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS16A

CONCENTRATION UNITS: mg/L | Lab File ID: 2060807/sv16a024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.0000500	U	0.000001	0.000050
72-55-9	4,4'-DDE	0.0000500	U	0.000005	0.000050
50-29-3	4,4'-DDT	0.0000500	U	0.000005	0.000050
309-00-2	Aldrin	0.0000231	J	0.000002	0.000025
60-57-1	Dieldrin	0.0000500	U	0.000004	0.000050
959-98-8	Endosulfan I	0.0000250	U	0.000002	0.000025
33213-65-9	Endosulfan II	0.0000500	U	0.000007	0.000050
1031-07-8	Endosulfan sulfate	0.0000500	U	0.000002	0.000050
72-20-8	Endrin	0.0000500	U	0.000008	0.000050
7421-93-4	Endrin aldehyde	0.0000500	U	0.000004	0.000050
53494-70-5	Endrin ketone	0.0000500	U	0.000004	0.000050
76-44-8	Heptachlor	0.0000250	U	0.000004	0.000025
1024-57-3	Heptachlor epoxide	0.0000250	U	0.000007	0.000025
72-43-5	Methoxychlor	0.000250	U	0.000002	0.000250
8001-35-2	Toxaphene	0.00250	U	0.000275	0.00250
319-84-6	alpha-BHC	0.0000250	U	0.000002	0.000025
5103-71-9	alpha-Chlordane	0.0000250	U	0.000002	0.000025
319-85-7	beta-BHC	0.0000250	U	0.000004	0.000025
319-86-8	delta-BHC	0.0000250	U	0.000002	0.000025
58-89-9	gamma-BHC (Lindane)	0.0000170	J	0.000002	0.000025
5103-74-2	gamma-Chlordane	0.0000250	U	0.000005	0.000025

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b024.d
Report Date: 11-Sep-2006 16:24

GCAL, Inc.

Data file : /var/chem/gcsv16b.i/2060807.b/sv16b024.d
Lab Smp Id: 20608043109
Inj Date : 07-AUG-2006 19:07
Operator : tls Inst ID: gcsv16b.i
Smp Info : 20608043109*1
Misc Info :
Comment :
Method : /var/chem/gcsv16b.i/2060807.b/pestXLB.m
Meth Date : 09-Aug-2006 10:41 tls Quant Type: ESTD
Cal Date : 31-JUL-2006 22:04 Cal File: sv16b019.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

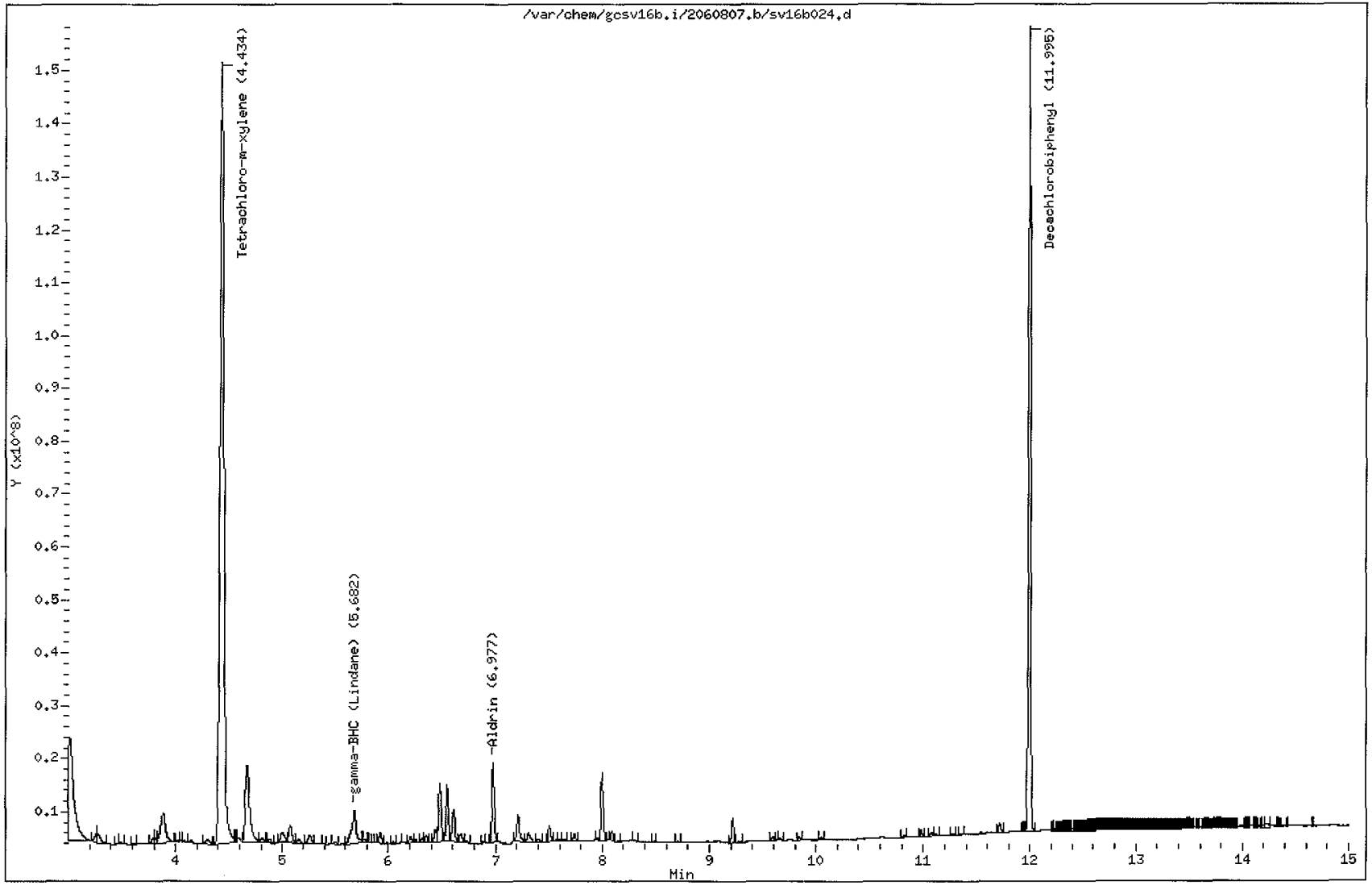
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1 Tetrachloro-m-xylene	4.434	4.445	-0.011	372230165	73.2640	0.37
3 gamma-BHC (Lindane)	5.682	5.693	-0.011	19125088	3.44454	0.017
5 Aldrin	6.977	7.005	-0.028	22985700	4.36929	0.022
$ 22 Decachlorobiphenyl	11.995	12.008	-0.013	202659022	57.6160	0.29

976000

Data File: /var/chem/gcsv16b.i/2060807.b/sv16b024.d
Date : 07-AUG-2006 19:07
Client ID:
Sample Info: 20608043109x1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv16b.i
Operator: tls
Column diameter: 0.32



168103

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 GEL – Charleston, SC	Laboratory Job No.: GCAL - 206080434 GEL - 168603-1			
Reviewer: (QAA, L.L.C.) Taryn Scholz	Date Checked: 10/12/06			
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			2.
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		8.
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	12.
13. Calibration data acceptable?	x			ecd8 081406
14. ICV and CCV recoveries within project control limits?	x			ecd8 082106
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			in ug/kg
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	no LCSD
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			both all ND
39. Surrogate recoveries within project control limits?	x			
40. Completeness percentage within project limits?	x			

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

COMMENTS

2. Transmittal Chain-of-Custody (from GCAL to GEL) has Collection Date of 8/3/2006 for all samples instead of 8/2/2006 as shown on original Chain-of-Custody (from field to GCAL) and this incorrect date appears on the hardcopy Certificates of Analysis and in the EDD. Correction added to EDD. Holding times still acceptable when calculated with correct date.

8. Separate Lab Sample IDs (from GCAL) given for MS/MSD on Chain, but GEL unable to enter MS/MSD as separate samples due to software constraints. Instead, MS/MSD given unique GEL Lab QC ID and samples given unique GEL Lab Sample ID and these IDs are used in hardcopy report. For EDD, GCAL updated the Sample IDs to match those assigned by GCAL. Note also that there are no samples 01-04 under this Work Order (206080434) as these numbers were originally assigned to surface waters collected on the same date and then later separated into another Work Order (206080820).

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

Elemental mercury and alumina cleanup used for sample extracts

12. GEL laboratory packages do not include quantitation reports, chromatograms, or MDL/DCS documentation. Since all samples are ND (both for Aroclors and PCB-Congeners) and all QC information is available on summary forms, no further action was taken.

17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL).

25. Only 15-g used for each sample instead of 30-g. Reporting limits elevated 2x but still below targets.

SET SUMMARY
Laboratory Job No.: 206080434

2	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
62	Total Measurements for Field Samples
62	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 all sediment samples, including ICWW, on-site, and pond sediments, with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of all sediment samples, including ICWW, on-site, and pond sediments, with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable for the intended use

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date **08/29/06**

GCAL REPORT NO **206080434/206080820**

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Dr. Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Eric Matzner

Customer Pastor, Behling, & Wheeler

PROJECT NAME Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080434

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

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

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080820

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

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

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

Reporting Flags Utilized in this Report

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

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

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

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

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206080434 & 206080820

THIS REPORT CONTAINS 165 **PAGES.**

Subcontract Report

168110

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043401	FWPSW01-001	Water	08/02/2006 08:45	08/04/2006 09:50
20608043402	FWPSW01-001 MS	Water	08/02/2006 08:45	08/04/2006 09:50
20608043403	FWPSW01-001 MSD	Water	08/02/2006 08:45	08/04/2006 09:50
20608043404	SW-600	Water	08/02/2006 09:00	08/04/2006 09:50

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608043405	FWPSE01-001-(0-0.5)	Solid	08/02/2006 13:50	08/04/2006 09:50
20608043406	FWPSE01-001-(0-0.5) MS	Solid	08/02/2006 13:50	08/04/2006 09:50
20608043407	FWPSE01-001-(0-0.5) MSD	Solid	08/02/2006 13:50	08/04/2006 09:50
20608043408	SE-501-(0-0.5)	Solid	08/02/2006 14:05	08/04/2006 09:50

GULF COAST ANALYTICAL LABORATORIES, INC.
PCB Congener Project
Project Nos. 206080434 and 206080820
SDG# 168603

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GENERAL NARRATIVE

168115

CASE NARRATIVE
For
GULF COAST ANALYTICAL LABORATORIES, INC.
Baton Rouge, LA
Project Nos. 206080434 and 206080820
SDG# 168603

August 24, 2006

Laboratory Identification:

General Engineering Laboratories, LLC

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:

(843) 556-8171

Summary:

Sample receipt

The sample(s) from Gulf Coast Analytical Laboratories, Inc. arrived at General Engineering Laboratories, LLC (GEL) located in Charleston, South Carolina on August 5, 2006 for environmental analyses. The sample containers arrived without any signs of tampering. The sample containers were delivered with chain of custody documentation and signatures. The shipping containers temperature upon receipt was 3°C.

On August 9, GCAL notified the laboratory via telecom that the sample IDs on the chain of custody were incorrect for the water samples. The sample ID for sample descriptions FWPSW01-001, FWPSW01-001MS, FWPSW01-001MSD, and SW600, were changed from 20608043401, 20608043402, 20608043403, and 20608043404, to 20608082001, 20608082002, 20608082003, and 20608082004, respectively. The laboratory notified GCAL that one 1L amber container each for FWPSW01-001 and SW600 were received broken. There was sufficient sample remaining to perform the requested analysis. Please see the attached e-mail.

The parent sample, MS, and MSD containers are identified on the chain of custody with separate samples IDs for the water sample FWPSW01-001, and the soil sample FWPSE01-001-(0-0.5). The laboratory is unable to log the parent sample, MS, and MSD containers with separate sample Ids due to software constraints. Instead, unique QC sample IDs are generated for the MS and MSD, which are associated to the parent sample ID. GCAL was notified and per telcon directed the laboratory to correlate the MS and MSD sample IDs to the QC IDs in this narrative.

Sample(s) logged by the laboratory:

Laboratory Identification	GCAL Sample Identification	Sample Description
168603001	20608082001,02,03	FWPSW01-001
168603002	20608082004	SW-600
168604001	20608043405,06,07	FWPSE01-001-(0-0.5)
168604002	20608043408	SE-501-(0-0.5)
QC1201154820	20608082002	FWPSW01-001 (MS)
QC1201154821	20608082003	FWPSW01-001 (MSD)
QC1201160338	20608082002	FWPSE01-001-(0-0.5) (MS)
QC1201160339	20608082003	FWPSE01-001-(0-0.5) (MSD)

Case Narrative

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL). Any technical or administrative problems during analysis, data review, or reductions are listed in the individual analytical case narratives.

Internal Chain of Custody:

Custody was maintained for the sample(s).

Data Package:

The enclosed data package contains the following sections: General Narrative, Data Qualifier Flags, Chain of custody, Cooler Receipt Checklist, Lab Certifications, and PCB Congener Analysis.

The following are definitions of reporting limits used at General Engineering Laboratories:

DL — Detection Limit: The minimum level of an analyte that can be determined (identified not quantified) with 99% confidence. The values are normally achieved by preparing and analyzing seven aliquots of laboratory water spiked 1 to 5 times the estimated MDL, taking the standard deviation and multiplying it against the one-tailed t-statistic at 99%. This computed value may then be verified for reasonableness by repeating the study using the concentration found in the initial study, calculating an F-ratio, and computing the final limit. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The detection limit is the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is above zero. It answers the question "Is It Present"

QL — Quantitation Limit: The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The QL is generally 5 to 10 times the MDL.

However, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes the QL analyte concentration is selected as the lowest non-zero standard in the calibration curve.

Sample QL's are highly matrix-dependent. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The QL is always greater than the DL.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.

David J. Setzer
Project Manager

Subject: RE: Reason for phone call (SDG 168603, 168604)
From: "Dana Merrill" <danam@gcal.com>
Date: Thu, 10 Aug 2006 13:41:57 -0500
To: "David Setzer" <djs@gel.com>

Dave,

The ones we went over on the phone are the only ones that need ID corrections. I have attached a revised COC.

Dana Merrill
Senior Project Manager
Gulf Coast Analytical Laboratories, Inc
7979 GSRI Ave
Baton Rouge, La 70820
Direct: 225-214-7044
Main Office: 225.769.4900 x308
Fax 225.767.5717
danam@gcal.com

-----Original Message-----
From: David Setzer [mailto:djs@gel.com]
Sent: Wednesday, August 09, 2006 11:24 AM
To: Dana Merrill
Subject: Re: Reason for phone call (SDG 168603, 168604)

Hi Dana,

OK, I wasn't sure if it was a data issue. But I have concerns about the the samples we were discussing earlier.

The samples were received Saturday. One of two 1L amber glass containers for FWPSW01-001 (20608082001), and one of two 1L amber glass containers for SW-600 (20608082004) were received broken. There was sufficient sample remaining to perform the analysis.

The chain lists the sample, MS, and MSD separately for the water samples with project sample Ids 20608043401, 20608043402, and 20608043403 respectively. Two containers for the water sample are labeled FWPSW01-001 (including the broken one), and one each labeled FWPSW01-001MS, FWPSW01-001MSD, and FWPSW01-001MS/MSD . They were originally logged here as one sample instead of three under 20608043401,02,03. I have changed the sample Ids for the waters from 206080434xx to 206080820xx to reflect the new Project Number as we discussed, but I would like your input as to how best to log the samples. We log the sample, MS, and MSD as one sample Id due to the software constraints of the instrument.

The soil samples were also listed similarly on the chain with sample, MS, and MSD listed separately as FWPSE01-001-(0-0.5), FWPSE01-001-(0-0.5)MS, and FWPSE01-001-(0-0.5)MSD. However, all three containers were labeled FWPSE01-001-(0-0.5). They also were originally logged here as one sample instead of three under 20608043405,06,07. Again, what do think would be the best way to log these samples?

Best Regards,

Dave

David J. Setzer
Project Manager

168119

General Engineering Laboratories, LLC
2040 Savage Road
Charleston, SC (USA) 29407
Phone: 843.556.8171 x 4443
Fax: 843.766.1178
E-mail: djs@gel.com
Web: www.gel.com

Dana Merrill wrote:

> HI Dave,
>
> I called because I didn't see the data for the water sample from project 206071714. As soon as I hung up they brought me the FedEx containing the data.
>
> Thanks
>
> Dana Merrill
> Senior Project Manager
> Gulf Coast Analytical Laboratories, Inc
> 7979 GSRI Ave
> Baton Rouge, La 70820
> Direct: 225-214-7044
> Main Office: 225.769.4900 x308
> Fax 225.767.5717
> danam@gcal.com

The information contained in this message is confidential and is intended only for the use of the individual or firm of record. If you are not the intended recipient and have received this message in error, you are asked not to copy or distribute any of the pages that follow. Please notify the sender immediately by telephone or email if you have received this communication in error and destroy the contents that do not pertain to your business with The GEL Group, INC.

	Content-Description:	20608043301.XLS
20608043301.XLS	**Content-Type:**	application/vnd.ms-excel
	Content-Encoding:	base64

CHAIN OF CUSTODY

168121

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI AVE, BATON ROUGE LA 70820-7402
(225) 769-4900 FAX (225) 767-5717

Ship to: General Engineering Labs | Attn: Tasha Horton
2040 Savage Road | PH: 843-556-8171
Charleston, SC 29407 | Ship Via: FEDEX

Chain of Custody Record

Submitted by
Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue
Baton Rouge, LA 70820
Contact: Dana Merrill
Phone: (225)769-4900
Fax: (225)767-5717

Bill to
Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue
Baton Rouge, LA 70820
Contact: Accounts Payable
Phone: (225)769-4900
Fax: (225)767-5717

P.O. Number: '060954
Project Name/Number: 206080434
Sampled By: 4482

* Our P. O. Number must appear on the Invoice.
* Our Project Number must appear on the final report.

EDD REQUESTED
Report both standard MDLs and PQLs for standard list.

Matrix	Date	Time (2400)	Comp	Grab	Sample Description (168603?)	Preservatives	No. Containers	PCB CONGENERS	Remarks: DJF 8/4/06	Lab ID
W	8/3/06	0845		X	FWPSW01-001	NA	2	X	20608043401 20608082001	168603 001
W	8/3/06	0845		X	FWPSW01-001 MS	NA	2	X	20608043402 20608082002	
W	8/3/06	0845		X	FWPSW01-001 MSD	NA	2'	X	20608043403 20608082003	
W	8/3/06	0900		X	SW-600	NA	2'	X	20608043404 20608082004	168603 002
S	8/3/06	1350		X	FWPSE01-001-(0-0.5)	NA	1	X	20608043405	168604 001
S	8/3/06	1350		X	FWPSE01-001-(0-0.5) MS	NA	1	X	20608043406	
S	8/3/06	1350		X	FWPSE01-001-(0-0.5) MSD	NA	1	X	20608043407	
S	8/3/06	1405		X	SE-501-(0-0.5)	NA	1	X	20608043408	168604 002

Turn Around Time: 24 - 48 hrs | **3 days** | 1 week | standard | other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		8-4-06	1700
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	K. West	8.5.06	0925
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
Level IV Package , CLP Like deliverable, 21 day TAT

Please fax results to (225)769-4900
PLEASE RETURN ICE CHESTS TO 7979 GSRI AVE.

Matrix: W = water, S=Soil, SD=Solid, L=Liquid, SL=Sludge, O=Oil, CT=Charcoal Tube, OVM=Organic Vapor Monitor, XT=XAD Tube, A=Air Bag, SUM=Summa Canister

168122

COOLER RECEIPT CHECKLIST

168123

SAMPLE RECEIPT & REVIEW FORM

PM use only

Client: GCAL	**SDG/ARCOC/Work Order:** 168603(W) 168604(S)
Date Received: 8-5-06	**PM(A) Review (ensure non-conforming items are resolved prior to signing):** NJF
Received By: (KW)	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	/			Circle Applicable: seals broken damaged container leaking container other (describe)
2	Samples requiring cold preservation within (4 +/- 2 C)? Record preservation method.	/			Circle Coolant # (ice bags) ~~blue ice~~ dry ice none other describe) 3°C
3	Chain of custody documents included with shipment?	/			
4	Sample containers intact and sealed?			/	Circle Applicable: seals broken (damaged container) leaking container other (describe) See cont. Sheet.
5	Samples requiring chemical preservation at proper pH?		/		Sample ID's, containers affected and observed pH:
6	VOA vials free of headspace (defined as < 6mm bubble)?		/		Sample ID's and containers affected:
7	Are Encore containers present? (If yes, immediately deliver to VOA laboratory)			/	
8	Samples received within holding time?	/			Id's and tests affected:
9	Sample ID's on COC match ID's on bottles?			/	Sample ID's and containers affected: See cont. Sheet.
10	Date & time on COC match date & time on bottles?	/			Sample ID's affected:
11	Number of containers received match number indicated on COC?			/	Sample ID's affected: See cont. Sheet
12	COC form is properly signed in relinquished/received sections?	/			
14	Air Bill ,Tracking #'s, & Additional Comments	7180 0050 0494			

	Suspected Hazard Information	Non-Regulated	Regulated	High Level	RSO RAD Receipt # _____ *If > x2 area background is observed on samples identified as "non-regulated/non-radioactive", contact the Radiation Safety group for further investigation.
A	Radiological Classification?	/			Maximum Counts Observed*: cpm 80
B	PCB Regulated?	/			Comments:
C	Shipped as DOT Hazardous Material? If yes, contact Waste Manager or ESH Manager.	/			Hazard Class Shipped: UN#:

PM (or PMA) review of Hazard classification: _____ Initials _____ Date:

SAMPLE RECEIPT & REVIEW FORM
CONTINUATION FORM

2 Containers broken:

1 - 1000 ml amber FWPSW01-001

1 - 1000 ml amber - SW-600

Received 1 - FWPSW01-001 MS not Z

1 - FWPSW01-001 MSD not Z

1 - FWPSW01-001 MS/MSD not on chain

Soils do not distinguish between MS + MSD

all labels read FWPSE01-001

//

168125

DATA REVIEW QUALIFIER FLAG DEFINITION SHEET

168126

General Engineering Laboratories, LLC

DATA QUALIFIERS FOR ORGANIC ANALYSES

Data Qualifiers used on Form 1s or Certificates of Analysis (COA) follow the specifications set forth in the technical specifications of the most current CLP Statement of Work and are defined as follows:

Section	Explanation	Location
A	The TIC is suspected aldol-condensation product.	COA, Form 1, and EDD
B	Analyte was detected in the associated method blank as well as in the sample.	COA, Form 1, and EDD
C	Pesticide analyte has been confirmed by GC/MS.	COA, Form 1, and EDD
D	Analyte(s) quantified in an analysis performed at a secondary dilution factor.	COA, Form 1, and EDD
E	Identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.	COA, Form 1, and EDD
J	This flag indicates an estimated value concerning either, (1) estimating a concentration for tentatively identified compounds (TICs), or (2) analyte detected at a level less than the RDL or PQL and greater than or equal to the MDL.	COA, Form 1, and EDD
N	Presumptive evidence based upon a mass spectral library search to make a tentative identification of the analyte.	COA, Form 1, and EDD
NJ	Analyte has been tentatively identified and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.	COA, Form 1, and EDD
P	- Pesticide/PCB target analyte that is greater than 25% difference for the detected concentrations between the two GC columns. - HPLC target analyte that is greater than 40% difference for the detected concentrations between detectors or columns.	Form 1 and EDD
U	Compound analyzed for but not detected (sample quantitation limit has been adjusted to reflect dilutions and percent moisture).	COA, Form 1, and EDD
X	Other reporting flag as defined in report narrative.	COA, Form 1, and EDD
**	Laboratory Control Sample recovery outside of acceptance limit.	QC Summary Report

All surrogate recoveries and acceptance ranges are reported at the bottom of Form 2 or COA.

168127

LABORATORY CERTIFICATIONS

168128

List of current GEL Certifications as of 14 August 2006

State	Certification
Alaska	UST-062
Arizona	AZ0668
Arkansas	88-0651
CLIA	42D0904046
California	01151CA
Colorado	GenEngLabs
Connecticut	PH-0169
Dept. of Navy	NFESC 413
EPA	WG-15J
Florida/NELAP	E87156
Georgia	E87156 (FL/NELAP)
Idaho	N/A
Illinois	200029
Indiana	C-SC-01
Kansas	E-10332
Kentucky	90129
Maryland	270
Massachusetts	M-SC012
Michigan	9903
Nevada	SC12
New Jersey	SC002
New York	11501
North Carolina	233
North Carolina Drinking W	45709
North Dakota	R-158
Oklahoma	9904
Pennsylvania	68-485
South Carolina	10120001/10585001/10120002
Tennessee	02934
Texas	TX213-2006A
U.S. Dept. of Agriculture	S-52597
US Army Corps of Engineer	N/A
Utah	8037697376 GEL
Vermont	N/A
Virginia	00151
Washington	C223

168129

GC
SEMIVOLATILE
PCB
ANALYSIS

168130

PCB Case Narrative
Gulf Coast Analytical Labs, LLC (GCAL)
SDG 168603

Method/Analysis Information

Procedure:	**Polychlorinated Biphenyls by ECD**
Analytical Method:	SW846 8082
Prep Method:	SW846 3510C
Analytical Batch Number:	556427
Prep Batch Number:	556426

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8082:

Sample ID	Client ID
168603001	20608082001,02,03
168603002	20608082004
1201154813	Method Blank (MB)
1201154814	Laboratory Control Sample (LCS)
1201154820	168603001(20608082001,02,03) Matrix Spike (MS)
1201154821	168603001(20608082001,02,03) Matrix Spike Duplicate (MSD)

Preparation/Analytical Method Verification

Procedures for preparation, analysis, and reporting of analytical data are documented by General Engineering Laboratories, LLC. (GEL) as Standard Operating Procedures (SOP).

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 23.0.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (ICV or CCV) did not meet the acceptance criteria.

In the standards bracketing the samples in this SDG, one analyte failed with a negative bias on one analytical column. As one column met acceptance criteria, this demonstrates that at no time did the instrument response drop below a point where detects would be missed. There were no analytes of interest detected in the client's samples; therefore, this non-conformance has no adverse effects on the data.

Quality Control (QC) Information

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

QC Sample Designation
Sample 168603001 (20608082001,02,03) was selected for the matrix spike and matrix spike duplicate analysis.

Matrix Spike (MS) Recovery Statement
The MS recoveries for this SDG were within the established acceptance limits.

Matrix Spike Duplicate (MSD) Recovery Statement
The MSD recoveries for this SDG were within the established acceptance limits.

MS/MSD Relative Percent Difference (RPD) Statement
The RPD(s) between the MS and MSD met the acceptance limits.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP. Additionally, elemental mercury was added to all sample extracts to remove sulfur. All sample extracts were cleaned using alumina.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Electronic Package Comment
The following package was generated using an electronic data processing program referred to as "virtual packaging". In an effort to increase quality and efficiency, the laboratory is developing systems to eventually generate all data packages electronically. The following change from "traditional" packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative of each electronic package will indicate the analyst, reviewer, and report specialist names associated with the generation of the data and package. The data validator will always sign and date the case narrative. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Nonconformance (NCR) Documentation
Nonconformance Reports (NCRs) are for documentation of any procedural anomalies that may deviate from referenced SOP or contractual document. An NCR was not generated for this SDG

Manual Integrations
Certain standards and samples may have required manual integration to correctly position the baseline as set in the calibration standard injections.

Additional Comments
The additional comments field is used to address special issues associated with each analysis, clarify method/contractual issues pertaining to the analysis, and to list any report documents generated as a result of sample analysis or review. The following additional comments were required:

The front column has been chosen as the primary column. The data are reported from the front column for all field samples in this batch.

Aroclors quantitated on the raw data report by the Target data system do not necessarily represent positive Aroclor identification. In order for positive identification to be made, the Aroclor must match in pattern and retention time; as well as quantitate relatively close between the primary and confirmation columns, as specified in SW846 method 8000. When these conditions are not met, the Aroclor is reported as a non-detect on the data report. These situations will be noted on the raw data as DMP, representing does not match pattern, or DNC does not confirm.

Due to software limitation, the Form VIIs will display the results either in the % difference or % drift depending on the type of the calibration curve. If the curve of all analytes is generated using an average response factor (RF), the Form VII will display results using the %difference calculation (RF). If the curve of one or more analytes is generated using a linear curve, the Form VII will display results using the % drift calculation (by concentration) for all analytes.

System Configuration

The Semi-Volatiles-PCB analysis was performed on a HP Gas Chromatograph.

Instrument ID	System Configuration	Column ID	Column Description
ECD8A.I_1	HP6890 Series ECD	Rtx-CLP I	30m x 0.25mm, 0.25um (Rtx-CLPesticide I)
ECD8A.I_2	HP6890 Series ECD	Rtx-CLP II	30m x 0.25mm, 0.20um (Rtx-CLPesticide II)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: _____ **Date:** 8/23/06

168133

Roadmap for GCAL 168603 PCB

This roadmap was analyzed by Khoung Yib on 08-15-2006, 18:56.
This roadmap was reviewed by Jared Wagner on 08-16-2006, 13:46.
This roadmap was packaged by Yvette Lampkin on 08-22-2006, 13:44.

Front Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/081406c.b/015f1501.d	168603001	sample	14-AUG-2006	15:58	168603.sub	20608082001,02,0	1.00000	556427	Upload both.Report front.
☐	N	/chem/ecd8a.i/081406c.b/018f1801.d	168603002	sample	14-AUG-2006	17:16	168603.sub	20608082004	1.00000	556427	Upload both.Report front.

Back Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/081406c.b/015b1501.d	168603001	sample	14-AUG-2006	15:58	168603.sub	20608082001,02,0	1.00000	556427	Upload both.Report front.
☐	N	/chem/ecd8a.i/081406c.b/018b1801.d	168603002	sample	14-AUG-2006	17:16	168603.sub	20608082004	1.00000	556427	Upload both.Report front.

Front QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/081406c.b/011f1101GCAL.d	1201154813	mb	14-AUG-2006	14:13	168603.sub	PBLK01	1.00000	556427	
☐	N	/chem/ecd8a.i/081406c.b/012f1201GCAL.d	1201154814	lcs	14-AUG-2006	14:39	168603.sub	PBLK01LCS	1.00000	556427	
☐	N	/chem/ecd8a.i/081406c.b/016f1601.d	1201154820	ms	14-AUG-2006	16:24	168603.sub	20608082001,02,0MS	1.00000	556427	Upload both.Report front.
☐	N	/chem/ecd8a.i/081406c.b/017f1701.d	1201154821	msd	14-AUG-2006	16:50	168603.sub	20608082001,02,0MSD	1.00000	556427	Upload both.Report front.

Back QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/081406c.b/011b1101GCAL.d	1201154813	mb	14-AUG-2006	14:13	168603.sub	PBLK01	1.00000	556427	
☐	N	/chem/ecd8a.i/081406c.b/012b1201GCAL.d	1201154814	lcs	14-AUG-2006	14:39	168603.sub	PBLK01LCS	1.00000	556427	
☐	N	/chem/ecd8a.i/081406c.b/016b1601.d	1201154820	ms	14-AUG-2006	16:24	168603.sub	20608082001,02,0MS	1.00000	556427	Upload both.Report front.
☐	N	/chem/ecd8a.i/081406c.b/017b1701.d	1201154821	msd	14-AUG-2006	16:50	168603.sub	20608082001,02,0MSD	1.00000	556427	Upload both.Report front.

168134

QUALITY CONTROL SUMMARY

168135

Surrogate Recovery Report

SDG Number: 168603

Matrix: WATER

CAP Column (1) : CLP1 **CAP Column (2) : DB-17MS**

Sample ID	Client ID	4CMX 1 %REC #	4CMX 2 %REC #
1201154813	MB for batch 556426	65	66
1201154814	LCS for batch 556426	65	65
168603001	20608082001,02,03	57	57
1201154820	20608043401,02,03(168603001)MS	53	51
1201154821	20608043401,02,03(168603001)MSD	56	58
168603002	20608082004	52	54

Surrogate	Acceptance Limits
4CMX = 4cmx	(46%-123%)

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

168136

Quality Control Summary
Spike Recovery Report

SDG Number:	168603	**Sample Type:**	Laboratory Control Sample		
Client ID:	LCS for batch 556426	**Matrix:**	WATER		
Lab Sample ID:	1201154814				
Instrument:	ECD8A.I	**Analysis Date:**	08/14/2006 14:39	**Dilution:**	1
Analyst:	KXYI	**Prep Batch ID:**	556426		
Inj. Vol:	1 uL	**Batch ID:**	556427		

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
39635-31-9	LCS	2,3,3',4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (189)*	0.100	0.0	0.120	120	70-130
2051-24-3	LCS	Decachlorobiphenyl	0.100	0.0	0.0944	94	53-109
34883-43-7	LCS	2,4'-Dichlorobiphenyl (8)	0.100	0.0	0.126	126	50-135
37680-65-2	LCS	2,2',5-Trichlorobiphenyl (18)	0.100	0.0	0.0883	88	56-121
7012-37-5	LCS	2,4,4'-Trichlorobiphenyl (28)	0.100	0.0	0.104	104	67-122
35693-99-3	LCS	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	0.100	0.0	0.125	125	69-134
41464-40-8	LCS	2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	0.100	0.0	0.0958	96	59-113
41464-39-5	LCS	2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	0.100	0.0	0.112	112	63-127
32598-10-0	LCS	2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	0.100	0.0	0.104	104	66-116
37680-73-2	LCS	2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	0.100	0.0	0.124	124	61-132
38380-02-8	LCS	Pentachlorobiphenyl (87)	0.100	0.0	0.0958	96	64-114
32598-13-3	LCS	3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	0.100	0.0	0.112	112	67-124
65510-44-3	LCS	2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	0.100	0.0	0.107	107	70-130
31508-00-6	LCS	2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	0.100	0.0	0.097	97	66-127
74472-37-0	LCS	2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	0.100	0.0	0.100	100	70-130
74472-48-3	LCS	2,2',3,4,4',6,6'-Heptachlorobi *Heptachlorobiphenyl (184)*	0.100	0.0	0.104	104	65-115
35065-27-1	LCS	2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	0.100	0.0	0.103	103	68-114
32598-14-4	LCS	2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	0.100	0.0	0.0984	98	68-110
35065-28-2	LCS	2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	0.100	0.0	0.108	108	66-121
52663-69-1	LCS	2,2',3,4,4',5',6-Heptachlorobi *Heptachlorobiphenyl (183)*	0.100	0.0	0.100	100	71-120
57465-28-8	LCS	3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	0.100	0.0	0.112	112	61-119
38380-07-3	LCS	2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	0.100	0.0	0.100	100	70-113

168137

Quality Control Summary
Spike Recovery Report

SDG Number:	168603	Sample Type:	Laboratory Control Sample
Client ID:	LCS for batch 556426	Matrix:	WATER
Lab Sample ID:	1201154814		
Instrument:	ECD8A.I	Analysis Date:	08/14/2006 14:39
Analyst:	KXY1	Prep Batch ID:	
Inj. Vol:	1 uL	Batch ID:	556427

Dilution:

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
52663-72-6	LCS	2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	0.100	0.0	0.109	109	70-130
38380-08-4	LCS	2,3,3',4,4',5-Hexachlorobiphei *Hexachlorobiphenyl (156)*	0.100	0.0	0.115	115	62-126
69782-90-7	LCS	2,3,3',4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (157)*	0.100	0.0	0.118	118	70-130
35065-29-3	LCS	2,2',3,4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (180)*	0.100	0.0	0.097	97	62-112
32774-16-6	LCS	3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	0.100	0.0	0.0978	98	62-131
35065-30-6	LCS	2,2',3,3',4,4',5-Heptachlorobip *Heptachlorobiphenyl (170)*	0.100	0.0	0.101	101	72-114
52663-68-0	LCS	2,2',3,4',5,5',6-Heptachlorobip *Heptachlorobiphenyl (187)*	0.100	0.0	0.104	104	71-116
52663-78-2	LCS	2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	0.100	0.0	0.096	96	65-120
40186-72-9	LCS	2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	0.100	0.0	0.106	106	59-128

168138

Quality Control Summary
Spike Recovery Report

SDG Number:	168603	**Sample Type:**	Matrix Spike		
Client ID:	20608043401,02,03(168603001)MS	**Matrix:**	WATER		
Lab Sample ID:	1201154820				
Instrument:	ECD8A.I	**Analysis Date:**	08/14/2006 16:24	**Dilution:**	1
Analyst:	KXY1	**Prep Batch ID:**	556426		
Inj. Vol:	1 uL	**Batch ID:**	556427		

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
39635-31-9	MS	2,3,3',4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (189)*	0.100	0.00	U	0.0785	78	70-130
2051-24-3	MS	Decachlorobiphenyl	0.100	0.00	U	0.066	66	23-128
34883-43-7	MS	2,4'-Dichlorobiphenyl (8)	0.100	0.00	U	0.105	105	52-135
37680-65-2	MS	2,2',5-Trichlorobiphenyl (18)	0.100	0.00	U	0.0717	72	48-110
7012-37-5	MS	2,4,4'-Trichlorobiphenyl (28)	0.100	0.00	U	0.0881	88	47-134
35693-99-3	MS	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	0.100	0.00	U	0.0913	91	44-144
41464-40-8	MS	2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	0.100	0.00	U	0.0705	71	41-120
41464-39-5	MS	2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	0.100	0.00	U	0.0662	66	40-135
32598-10-0	MS	2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	0.100	0.00	U	0.0811	81	47-130
37680-73-2	MS	2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	0.100	0.00	U	0.0905	91	43-137
38380-02-8	MS	Pentachlorobiphenyl (87)	0.100	0.00	U	0.0639	64	52-117
32598-13-3	MS	3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	0.100	0.00	U	0.089	89	54-146
65510-44-3	MS	2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	0.100	0.00	U	0.0789	79	70-130
31508-00-6	MS	2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	0.100	0.00	U	0.072	72	46-123
74472-37-0	MS	2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	0.100	0.00	U	0.0721	72	70-130
74472-48-3	MS	2,2',3,4,4',6,6'-Heptachlorobi *Heptachlorobiphenyl (184)*	0.100	0.00	U	0.0697	70	58-116
35065-27-1	MS	2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	0.100	0.00	U	0.0761	76	60-122
32598-14-4	MS	2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	0.100	0.00	U	0.0708	71	48-123
35065-28-2	MS	2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	0.100	0.00	U	0.0743	74	52-136
52663-69-1	MS	2,2',3,4,4',5',6-Heptachlorobi *Heptachlorobiphenyl (183)*	0.100	0.00	U	0.0704	70	48-130
57465-28-8	MS	3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	0.100	0.00	U	0.0735	74	37-139
38380-07-3	MS	2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	0.100	0.00	U	0.0676	68	64-113

168139

Quality Control Summary
Spike Recovery Report

SDG Number:	168603	**Sample Type:**	Matrix Spike
Client ID:	20608043401,02,03(168603001)MS	**Matrix:**	WATER
Lab Sample ID:	1201154820		
Instrument:	ECD8A.I	**Analysis Date:**	08/14/2006 16:24
Analyst:	KXY1	**Prep Batch ID:**	
Inj. Vol:	1 uL	**Batch ID:**	556427

Dilution:

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
52663-72-6	MS	2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	0.100	0.00	U	0.0757	76	70-130
38380-08-4	MS	2,3,3',4,4',5-Hexachlorobipher *Hexachlorobiphenyl (156)*	0.100	0.00	U	0.0775	77	57-142
69782-90-7	MS	2,3,3',4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (157)*	0.100	0.00	U	0.0773	77	70-130
35065-29-3	MS	2,2',3,4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (180)*	0.100	0.00	U	0.0625	62	55-110
32774-16-6	MS	3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	0.100	0.00	U	0.062	62	42-145
35065-30-6	MS	2,2',3,3',4,4',5-Heptachlorobip *Heptachlorobiphenyl (170)*	0.100	0.00	U	0.0664	66	59-116
52663-68-0	MS	2,2',3,4',5,5',6-Heptachlorobip *Heptachlorobiphenyl (187)*	0.100	0.00	U	0.0705	71	49-128
52663-78-2	MS	2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	0.100	0.00	U	0.0617	62	43-117
40186-72-9	MS	2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	0.100	0.00	U	0.0705	71	42-131

Quality Control Summary
Spike Recovery Report

SDG Number:	168603	**Sample Type:**	Matrix Spike Duplicate		
Client ID:	20608043401,02,03(168603001)MSD	**Matrix:**	WATER		
Lab Sample ID:	1201154821				
Instrument:	ECD8A.I	**Analysis Date:**	08/14/2006 16:50	**Dilution:**	1
Analyst:	KXY1	**Prep Batch ID:**	556426		
Inj. Vol:	1 uL	**Batch ID:**	556427		

CAS No	Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
39635-31-9	MSD 2,3,3',4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (189)*	0.100	0.00	U	0.0926	93	70-130	17	0-30
2051-24-3	MSD Decachlorobiphenyl	0.100	0.00	U	0.0749	75	23-128	13	0-29
34883-43-7	MSD 2,4'-Dichlorobiphenyl (8)	0.100	0.00	U	0.102	102	52-135	3	0-36
37680-65-2	MSD 2,2',5-Trichlorobiphenyl (18)	0.100	0.00	U	0.062	62	48-110	15	0-30
7012-37-5	MSD 2,4,4'-Trichlorobiphenyl (28)	0.100	0.00	U	0.0921	92	47-134	5	0-20
35693-99-3	MSD 2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	0.100	0.00	U	0.0978	98	44-144	7	0-31
41464-40-8	MSD 2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	0.100	0.00	U	0.0784	78	41-120	11	0-30
41464-39-5	MSD 2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	0.100	0.00	U	0.0728	73	40-135	10	0-30
32598-10-0	MSD 2,3'4,4'-Tetrachlorobiphenyl ((*Tetrachlorobiphenyl (66)*	0.100	0.00	U	0.084	84	47-130	4	0-30
37680-73-2	MSD 2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	0.100	0.00	U	0.0994	99	43-137	9	0-31
38380-02-8	MSD Pentachlorobiphenyl (87)	0.100	0.00	U	0.0698	70	52-117	9	0-29
32598-13-3	MSD 3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	0.100	0.00	U	0.0924	92	54-146	4	0-31
65510-44-3	MSD 2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	0.100	0.00	U	0.0863	86	70-130	9	0-30
31508-00-6	MSD 2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	0.100	0.00	U	0.0794	79	46-123	10	0-30
74472-37-0	MSD 2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	0.100	0.00	U	0.0662	66 *	70-130	9	0-30
74472-48-3	MSD 2,2',3,4,4',6,6'-Heptachlorobip *Heptachlorobiphenyl (184)*	0.100	0.00	U	0.078	78	58-116	11	0-23
35065-27-1	MSD 2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	0.100	0.00	U	0.0838	84	60-122	10	0-30
32598-14-4	MSD 2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	0.100	0.00	U	0.0805	81	48-123	13	0-28
35065-28-2	MSD 2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	0.100	0.00	U	0.0856	86	52-136	14	0-27
52663-69-1	MSD 2,2',3,4,4',5',6-Heptachlorobip *Heptachlorobiphenyl (183)*	0.100	0.00	U	0.0804	80	48-130	13	0-29
57465-28-8	MSD 3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	0.100	0.00	U	0.0855	86	37-139	15	0-22
38380-07-3	MSD 2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	0.100	0.00	U	0.0787	79	64-113	15	0-25

168141

Quality Control Summary
Spike Recovery Report

SDG Number:	168603	Sample Type:	Matrix Spike Duplicate
Client ID:	20608043401,02,03(168603001)MSD	Matrix:	WATER
Lab Sample ID:	1201154821		
Instrument:	ECD8A.I	Analysis Date:	08/14/2006 16:50
Analyst:	KXY1	Prep Batch ID:	
Inj. Vol:	1 uL	Batch ID:	556427

Dilution:

CAS No		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptanc Limits
52663-72-6	MSD	2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	0.100	0.00	U	0.086	86	70-130	13	0-30
38380-08-4	MSD	2,3,3',4,4',5-Hexachlorobiphei *Hexachlorobiphenyl (156)*	0.100	0.00	U	0.0903	90	57-142	15	0-26
69782-90-7	MSD	2,3,3',4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (157)*	0.100	0.00	U	0.0932	93	70-130	19	0-30
35065-29-3	MSD	2,2',3,4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (180)*	0.100	0.00	U	0.0725	73	55-110	15	0-27
32774-16-6	MSD	3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	0.100	0.00	U	0.0757	76	42-145	20	0-27
35065-30-6	MSD	2,2',3,3',4,4',5-Heptachlorobip *Heptachlorobiphenyl (170)*	0.100	0.00	U	0.0779	78	59-116	16	0-27
52663-68-0	MSD	2,2',3,4',5,5',6-Heptachlorobip *Heptachlorobiphenyl (187)*	0.100	0.00	U	0.081	81	49-128	14	0-28
52663-78-2	MSD	2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	0.100	0.00	U	0.0712	71	43-117	14	0-29
40186-72-9	MSD	2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	0.100	0.00	U	0.0801	80	42-131	13	0-33

168142

Method Blank Summary

SDG Number:	168603	Client:	GCAL001	Matrix:	WATER
Client ID:	MB for batch 556426	Instrument ID:	ECD8A.I_1 ECD8A.I_2	Data File:	011f1101.d 011b1101.d
Lab Sample ID:	1201154813	Prep Date:	08/09/2006 17:12	Analyzed:	08/14/06 14:13

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 556426	1201154814	012b1201.d 012f1201.d	08/14/06	1439
02	20608082001,02,03	168603001	015b1501.d 015f1501.d	08/14/06	1558
03	20608043401,02,03(168603001)MS	1201154820	016b1601.d 016f1601.d	08/14/06	1624
04	20608043401,02,03(168603001)MSD	1201154821	017b1701.d 017f1701.d	08/14/06	1650
05	20608082004	168603002	018b1801.d 018f1801.d	08/14/06	1716

168143

SAMPLE DATA

168144

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**	**Date Collected:**	**08/03/2006 08:45**	**Matrix:**	**WATER**
Lab Sample ID:	**168603001**	**Date Received:**	**08/05/2006 09:25**		
Client Sample:	**FWPSW01-001**	**Client:**	**GCAL001**	**Project:**	**GCAL00106**
Client ID:	**20608082001,02,03**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 15:58**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**870 mL**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	0.0115	ug/L	0.00249	0.0115
2051-24-3	Decachlorobiphenyl	U	0.0115	ug/L	0.0115	0.0115
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	0.0115	ug/L	0.00555	0.0115
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	0.0115	ug/L	0.00322	0.0115
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	0.0115	ug/L	0.0042	0.0115
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	0.0115	ug/L	0.00386	0.0115
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	0.0115	ug/L	0.00626	0.0115
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	0.0115	ug/L	0.00501	0.0115
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	0.0115	ug/L	0.00194	0.0115
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	0.0115	ug/L	0.00503	0.0115
38380-02-8	Pentachlorobiphenyl (87)	U	0.0115	ug/L	0.00599	0.0115
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	0.0115	ug/L	0.00251	0.0115
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	0.0115	ug/L	0.00217	0.0115
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	0.0115	ug/L	0.00367	0.0115
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	0.0115	ug/L	0.00707	0.0115
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	0.0115	ug/L	0.0024	0.0115
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	0.0115	ug/L	0.0019	0.0115
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	0.0115	ug/L	0.0021	0.0115
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	0.0115	ug/L	0.00472	0.0115
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	0.0115	ug/L	0.00333	0.0115
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	0.0115	ug/L	0.00489	0.0115

168145

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603	Date Collected:	08/03/2006 08:45	Matrix:	WATER
Lab Sample ID:	168603001	Date Received:	08/05/2006 09:25		
Client Sample:	FWPSW01-001	Client:	GCAL001	Project:	GCAL00106
Client ID:	20608082001,02,03	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	556427	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/14/2006 15:58	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/09/2006 17:12	Aliquot:	870 mL	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	0.0115	ug/L	0.00293	0.0115
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	0.0115	ug/L	0.00268	0.0115
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	0.0115	ug/L	0.00214	0.0115
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	0.0115	ug/L	0.00921	0.0115
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	0.0115	ug/L	0.00174	0.0115
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	0.0115	ug/L	0.00255	0.0115
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	0.0115	ug/L	0.00236	0.0115
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	0.0115	ug/L	0.00356	0.0115
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	0.0115	ug/L	0.002	0.0115
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	0.0115	ug/L	0.00234	0.0115

168146

PCB

Certificate of Analysis

Sample Summary

SDG Number:	**168603**	**Date Collected:**	**08/03/2006 09:00**	**Matrix:**	**WATER**
Lab Sample ID:	**168603002**	**Date Received:**	**08/05/2006 09:25**		
Client Sample:	**SW-600**	**Client:**	**GCAL001**	**Project:**	**GCAL00106**
Client ID:	**20608082004**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 17:16**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**900 mL**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	0.0111	ug/L	0.00241	0.0111
2051-24-3	Decachlorobiphenyl	U	0.0111	ug/L	0.0111	0.0111
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	0.0111	ug/L	0.00537	0.0111
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	0.0111	ug/L	0.00311	0.0111
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	0.0111	ug/L	0.00406	0.0111
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	0.0111	ug/L	0.00373	0.0111
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	0.0111	ug/L	0.00606	0.0111
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	0.0111	ug/L	0.00484	0.0111
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	0.0111	ug/L	0.00188	0.0111
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	0.0111	ug/L	0.00487	0.0111
38380-02-8	Pentachlorobiphenyl (87)	U	0.0111	ug/L	0.00579	0.0111
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	0.0111	ug/L	0.00242	0.0111
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	0.0111	ug/L	0.0021	0.0111
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	0.0111	ug/L	0.00354	0.0111
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	0.0111	ug/L	0.00683	0.0111
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	0.0111	ug/L	0.00232	0.0111
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	0.0111	ug/L	0.00183	0.0111
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	0.0111	ug/L	0.00203	0.0111
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	0.0111	ug/L	0.00457	0.0111
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	0.0111	ug/L	0.00322	0.0111
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	0.0111	ug/L	0.00472	0.0111

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PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603	Date Collected:	08/03/2006 09:00	Matrix:	WATER
Lab Sample ID:	168603002	Date Received:	08/05/2006 09:25		
Client Sample:	SW-600	Client:	GCAL001	Project:	GCAL00106
Client ID:	20608082004	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	556427	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/14/2006 17:16	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/09/2006 17:12	Aliquot:	900 mL	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	0.0111	ug/L	0.00283	0.0111
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	0.0111	ug/L	0.00259	0.0111
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	0.0111	ug/L	0.00207	0.0111
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	0.0111	ug/L	0.0089	0.0111
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	0.0111	ug/L	0.00168	0.0111
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	0.0111	ug/L	0.00247	0.0111
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	0.0111	ug/L	0.00228	0.0111
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	0.0111	ug/L	0.00344	0.0111
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	0.0111	ug/L	0.00193	0.0111
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	0.0111	ug/L	0.00227	0.0111

168148

STANDARDS DATA

168149

Report Date: 15-Aug-2006 17:38

Calibration History

Method : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m
Start Cal Date: 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
06-JUL-2006 11:52	AR1660	/chem/ecd8a.i/070606c.b/009f0901.d
14-AUG-2006 11:11	CONG1	/chem/ecd8a.i/081406c.b/004f0401.d
Cal Level: 2 , Cal Amount: 50.00000		
06-JUL-2006 12:18	AR1660	/chem/ecd8a.i/070606c.b/010f1001.d
14-AUG-2006 11:37	CONG1	/chem/ecd8a.i/081406c.b/005f0501.d
Cal Level: 3 , Cal Amount: 100.00000		
06-JUL-2006 12:44	AR1660	/chem/ecd8a.i/070606c.b/011f1101.d
14-AUG-2006 12:03	CONG1	/chem/ecd8a.i/081406c.b/006f0601.d
Cal Level: 4 , Cal Amount: 250.00000		
28-JUN-2006 22:37	AR1221	/chem/ecd8a.i/062806c.b/018f1801.d
28-JUN-2006 22:11	AR1232	/chem/ecd8a.i/062806c.b/017f1701.d
28-JUN-2006 21:45	AR1248	/chem/ecd8a.i/062806c.b/016f1601.d
06-JUL-2006 10:08	AR1242	/chem/ecd8a.i/070606c.b/005f0501.d
06-JUL-2006 09:42	AR1254	/chem/ecd8a.i/070606c.b/004f0401.d
06-JUL-2006 13:10	AR1660	/chem/ecd8a.i/070606c.b/012f1201.d
14-AUG-2006 12:29	CONG1	/chem/ecd8a.i/081406c.b/007f0701.d
Cal Level: 5 , Cal Amount: 500.00000		
06-JUL-2006 13:36	AR1660	/chem/ecd8a.i/070606c.b/013f1301.d
14-AUG-2006 12:55	CONG1	/chem/ecd8a.i/081406c.b/008f0801.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 20:18	CONG1	/chem/ecd8a.i/081406c.b/025f2501.d
Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 17:42	CONG1	/chem/ecd8a.i/081406c.b/019f1901.d
Ccal Level: 3 , Ccal Amount: 100		

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14-AUG-2006 13:21	CONG1	/chem/ecd8a.i/081406c.b/009f0901.d
Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 12:03	CONG1	/chem/ecd8a.i/081406c.b/006f0601.d
Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 10:07	CONG1	/chem/ecd8a.i/081406c.b/002f0201.d

168151

Report Date: 15-Aug-2006 17:38

Calibration History

Method : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m
Start Cal Date: 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
06-JUL-2006 11:52	AR1660	/chem/ecd8a.i/070606c.b/009b0901.d
14-AUG-2006 11:11	CONG1	/chem/ecd8a.i/081406c.b/004b0401.d
Cal Level: 2 , Cal Amount: 50.00000		
06-JUL-2006 12:18	AR1660	/chem/ecd8a.i/070606c.b/010b1001.d
14-AUG-2006 11:37	CONG1	/chem/ecd8a.i/081406c.b/005b0501.d
Cal Level: 3 , Cal Amount: 100.00000		
06-JUL-2006 12:44	AR1660	/chem/ecd8a.i/070606c.b/011b1101.d
14-AUG-2006 12:03	CONG1	/chem/ecd8a.i/081406c.b/006b0601.d
Cal Level: 4 , Cal Amount: 250.00000		
28-JUN-2006 22:37	AR1221	/chem/ecd8a.i/062806c.b/018b1801.d
28-JUN-2006 22:11	AR1232	/chem/ecd8a.i/062806c.b/017b1701.d
28-JUN-2006 21:45	AR1248	/chem/ecd8a.i/062806c.b/016b1601.d
06-JUL-2006 10:08	AR1242	/chem/ecd8a.i/070606c.b/005b0501.d
06-JUL-2006 09:42	AR1254	/chem/ecd8a.i/070606c.b/004b0401.d
06-JUL-2006 13:10	AR1660	/chem/ecd8a.i/070606c.b/012b1201.d
14-AUG-2006 12:29	CONG1	/chem/ecd8a.i/081406c.b/007b0701.d
Cal Level: 5 , Cal Amount: 500.00000		
06-JUL-2006 13:36	AR1660	/chem/ecd8a.i/070606c.b/013b1301.d
14-AUG-2006 12:55	CONG1	/chem/ecd8a.i/081406c.b/008b0801.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 20:18	CONG1	/chem/ecd8a.i/081406c.b/025b2501.d
Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 17:42	CONG1	/chem/ecd8a.i/081406c.b/019b1901.d
Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 13:21	CONG1	/chem/ecd8a.i/081406c.b/009b0901.d
Ccal Level: 3 , Ccal Amount: 100		

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14-AUG-2006 12:03	CONG1	/chem/ecd8a.i/081406c.b/006b0601.d
Ccal Level: 3 , Ccal Amount: 100		
14-AUG-2006 10:07	CONG1	/chem/ecd8a.i/081406c.b/002b0201.d

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m
Quant Method : ESTD Target Version : 3.50
Last Update : 15-Aug-2006 15:45 Number of Cpnds : 42
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	50.000000
Initial:End Threshold	100.000000
Initial:Area Threshold	5000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	8.000000
Initial:Negative Peaks	OFF
Initial:Tension	1.100000

	Compound	RT	RT Window	RF
	2 Aroclor-1221	3.619	3.599-3.639	2.620e+03
		3.853	3.833-3.873	1.328e+03
		3.918	3.898-3.938	6.227e+03
$	10 4cmx	3.299	3.279-3.319	2.771e+05
	3 Aroclor-1232	3.919	3.899-3.939	5.168e+03
		4.508	4.488-4.528	4.116e+03
		5.494	5.474-5.514	3.261e+03
		5.598	5.578-5.618	1.978e+03
		6.898	6.878-6.918	2.202e+03
	66 2,4'-Dichlorobiphenyl (8)	3.912	3.892-3.932	5.781e+04
	67 2,2',5-Trichlorobiphenyl (	4.493	4.473-4.513	7.092e+04
	4 Aroclor-1242	4.508	4.488-4.528	8.295e+03
		5.494	5.474-5.514	6.265e+03
		5.598	5.578-5.618	3.710e+03
		6.750	6.730-6.770	2.584e+03
		6.899	6.879-6.919	4.649e+03
	1 Aroclor-1016	5.494	5.474-5.514	8.471e+03
		5.596	5.576-5.616	4.906e+03
		5.825	5.805-5.845	4.983e+03
		5.859	5.839-5.879	5.041e+03
		6.186	6.166-6.206	6.514e+03
	68 2,4,4'-Trichlorobiphenyl (	5.274	5.254-5.294	1.428e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m

Compound	RT	RT Window	RF
5 Aroclor-1248	5.824	5.804-5.844	5.501e+03
	6.185	6.165-6.205	6.916e+03
	6.749	6.729-6.769	3.991e+03
	6.897	6.877-6.917	7.852e+03
	7.278	7.258-7.298	6.438e+03
69 Tetrachlorobiphenyl (52)	5.820	5.800-5.840	9.054e+04
70 Tetrachlorobiphenyl (49)	5.854	5.834-5.874	1.392e+05
71 Tetrachlorobiphenyl (44)	6.182	6.162-6.202	1.357e+05
6 Aroclor-1254	6.828	6.808-6.848	8.739e+03
	7.285	7.265-7.305	1.156e+04
	8.050	8.030-8.070	1.468e+04
	8.652	8.632-8.672	1.080e+04
	9.086	9.066-9.106	1.082e+04
72 Tetrachlorobiphenyl (66)	6.937	6.917-6.957	1.574e+05
73 Pentachlorobiphenyl (101)	7.284	7.264-7.304	1.478e+05
74 Pentachlorobiphenyl (87)	7.801	7.781-7.821	2.020e+05
92 Tetrachlorobiphenyl (81)	7.933	7.913-7.953	1.245e+05
75 Tetrachlorobiphenyl (77)	8.232	8.212-8.252	9.713e+04
7 Aroclor-1260	8.450	8.430-8.470	1.336e+04
	10.068	10.048-10.088	1.014e+04
	10.703	10.683-10.723	1.068e+04
	11.596	11.576-11.616	2.289e+04
	12.405	12.385-12.425	1.258e+04
62 Pentachlorobiphenyl (123)	8.573	8.553-8.593	1.688e+05
76 Pentachlorobiphenyl (118)	8.651	8.631-8.671	1.758e+05
61 Pentachlorobiphenyl (114)	8.767	8.747-8.787	2.360e+05
78 Hexachlorobiphenyl (153)	9.092	9.072-9.112	1.815e+05
77 Heptachlorobiphenyl (184)	8.815	8.795-8.835	1.731e+05
79 Pentachlorobiphenyl (105)	9.267	9.247-9.287	2.302e+05
80 Hexachlorobiphenyl (138)	9.753	9.733-9.773	2.255e+05
83 Pentachlorobiphenyl (126)	10.211	10.191-10.231	1.202e+05
81 Heptachlorobiphenyl (187)	10.068	10.048-10.088	2.034e+05
82 Heptachlorobiphenyl (183)	10.187	10.167-10.207	2.519e+05
65 Hexachlorobiphenyl (167)	10.628	10.608-10.648	2.124e+05
84 Hexachlorobiphenyl (128)	10.469	10.449-10.489	2.661e+05
86 Hexachlorobiphenyl (156)	11.178	11.158-11.198	2.810e+05
63 Hexachlorobiphenyl (157)	11.359	11.339-11.379	2.587e+05

168155

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m

Compound	RT	RT Window	RF
8 Aroclor-1262	9.785	9.765-9.805	
	10.773	10.753-10.793	
	11.191	11.171-11.211	
	12.386	12.366-12.406	
	12.496	12.476-12.516	
87 Heptachlorobiphenyl (180)	11.597	11.577-11.617	2.828e+05
89 Hexachlorobiphenyl (169)	12.484	12.464-12.504	2.006e+05
88 Heptachlorobiphenyl (170)	12.406	12.386-12.426	2.981e+05
64 Heptachlorobiphenyl (189)	13.456	13.436-13.476	2.695e+05
90 Octachlorobiphenyl (195)	13.538	13.518-13.558	3.372e+05
91 Nonachlorobiphenyl (206)	15.407	15.387-15.427	2.888e+05
9 Aroclor-1268	12.493	12.473-12.513	
	12.578	12.558-12.598	
	13.034	13.014-13.054	
	13.961	13.941-13.981	
	14.751	14.731-14.771	
11 Decachlorobiphenyl	16.057	16.037-16.077	2.684e+05

168156

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m
Quant Method : ESTD Target Version : 3.50
Last Update : 15-Aug-2006 16:18 Number of Cpnds : 42
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	100.000000
Initial:End Threshold	200.000000
Initial:Area Threshold	10000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	4.000000
Initial:Negative Peaks	OFF
Initial:Tension	1.000000

	Compound	RT	RT Window	RF
	2 Aroclor-1221	5.004	4.984-5.024	1.557e+03
		5.259	5.239-5.279	1.098e+03
		5.368	5.348-5.388	4.164e+03
$	10 4cmx	4.427	4.407-4.447	1.879e+05
	3 Aroclor-1232	6.543	6.523-6.563	1.018e+03
		7.182	7.162-7.202	2.181e+03
		7.374	7.354-7.394	1.317e+03
		7.601	7.581-7.621	1.092e+03
		8.150	8.130-8.170	1.607e+03
	1 Aroclor-1016	7.182	7.162-7.202	6.989e+03
		7.375	7.355-7.395	4.200e+03
		7.601	7.581-7.621	4.282e+03
		7.681	7.661-7.701	4.459e+03
		8.151	8.131-8.171	5.587e+03
	66 2,4'-Dichlorobiphenyl (8)	5.358	5.338-5.378	3.293e+04
	4 Aroclor-1242	6.922	6.902-6.942	5.697e+03
		7.183	7.163-7.203	5.344e+03
		7.374	7.354-7.394	3.326e+03
		7.601	7.581-7.621	3.082e+03
		8.151	8.131-8.171	4.424e+03
	67 2,2',5-Trichlorobiphenyl (	6.103	6.083-6.123	4.094e+04

168157

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m

Compound	RT	RT Window	RF
5 Aroclor-1248	7.600	7.580-7.620	4.126e+03
	8.149	8.129-8.169	5.244e+03
	8.415	8.395-8.435	5.373e+03
	9.039	9.019-9.059	6.020e+03
	9.138	9.118-9.158	6.683e+03
68 2,4,4'-Trichlorobiphenyl (	6.940	6.920-6.960	9.170e+04
69 Tetrachlorobiphenyl (52)	7.592	7.572-7.612	6.241e+04
70 Tetrachlorobiphenyl (49)	7.672	7.652-7.692	7.726e+04
71 Tetrachlorobiphenyl (44)	8.141	8.121-8.161	8.397e+04
72 Tetrachlorobiphenyl (66)	9.132	9.112-9.152	1.004e+05
73 Pentachlorobiphenyl (101)	9.618	9.598-9.638	8.695e+04
6 Aroclor-1254	9.628	9.608-9.648	9.732e+03
	10.512	10.492-10.532	7.064e+03
	10.832	10.812-10.852	1.323e+04
	11.512	11.492-11.532	9.493e+03
	12.067	12.047-12.087	6.155e+03
92 Tetrachlorobiphenyl (81)	10.506	10.486-10.526	1.030e+05
74 Pentachlorobiphenyl (87)	10.506	10.486-10.526	1.030e+05
75 Tetrachlorobiphenyl (77)	10.905	10.885-10.925	5.943e+04
62 Pentachlorobiphenyl (123)	11.422	11.402-11.442	1.047e+05
76 Pentachlorobiphenyl (118)	11.499	11.479-11.519	1.082e+05
7 Aroclor-1260	11.403	11.383-11.423	1.050e+04
	12.067	12.047-12.087	1.256e+04
	13.467	13.447-13.487	8.113e+03
	14.416	14.396-14.436	8.666e+03
	15.336	15.316-15.356	1.818e+04
78 Hexachlorobiphenyl (153)	12.056	12.036-12.076	1.044e+05
77 Heptachlorobiphenyl (184)	11.948	11.928-11.968	1.124e+05
61 Pentachlorobiphenyl (114)	11.861	11.841-11.881	1.582e+05
8 Aroclor-1262	11.232	11.212-11.252	
	11.662	11.642-11.682	
	12.657	12.637-12.677	
	13.377	13.357-13.397	
	15.115	15.095-15.135	
79 Pentachlorobiphenyl (105)	12.520	12.500-12.540	1.447e+05
80 Hexachlorobiphenyl (138)	13.136	13.116-13.156	1.330e+05
81 Heptachlorobiphenyl (187)	13.456	13.436-13.476	1.157e+05
82 Heptachlorobiphenyl (183)	13.628	13.608-13.648	1.422e+05
83 Pentachlorobiphenyl (126)	13.516	13.496-13.536	8.670e+04
65 Hexachlorobiphenyl (167)	13.987	13.967-14.007	1.201e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m

Compound	RT	RT Window	RF
84 Hexachlorobiphenyl (128)	14.257	14.237-14.277	1.597e+05
86 Hexachlorobiphenyl (156)	14.902	14.882-14.922	1.709e+05
87 Heptachlorobiphenyl (180)	15.321	15.301-15.341	1.581e+05
63 Hexachlorobiphenyl (157)	15.174	15.154-15.194	1.494e+05
89 Hexachlorobiphenyl (169)	16.214	16.194-16.234	1.079e+05
88 Heptachlorobiphenyl (170)	16.577	16.557-16.597	1.758e+05
64 Heptachlorobiphenyl (189)	17.524	17.504-17.544	1.673e+05
9 Aroclor-1268	15.111	15.091-15.131	
	15.240	15.220-15.260	
	15.990	15.970-16.010	
	16.979	16.959-16.999	
	18.051	18.031-18.071	
90 Octachlorobiphenyl (195)	18.062	18.042-18.082	1.744e+05
91 Nonachlorobiphenyl (206)	19.980	19.960-20.000	1.522e+05
11 Decachlorobiphenyl	20.700	20.680-20.720	1.335e+05

168159

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m
Cal Date : 15-Aug-2006 15:45 kho01178

Calibration File Names:
Level 1: /chem/ecd8a.i/070606c.b/009f0901.d
Level 2: /chem/ecd8a.i/070606c.b/010f1001.d
Level 3: /chem/ecd8a.i/070606c.b/011f1101.d
Level 4: /chem/ecd8a.i/062806c.b/018f1801.d
Level 5: /chem/ecd8a.i/070606c.b/013f1301.d

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
2 Aroclor-1221(1)	+++++	+++++	+++++	2620	+++++	AVRG		2620		0.000e+00
(2)	+++++	+++++	+++++	1328	+++++	AVRG		1328		0.000e+00
(3)	+++++	+++++	+++++	6227	+++++	AVRG		6227		0.000e+00
3 Aroclor-1232(1)	+++++	+++++	+++++	5168	+++++	AVRG		5168		0.000e+00
(2)	+++++	+++++	+++++	4116	+++++	AVRG		4116		0.000e+00
(3)	+++++	+++++	+++++	3261	+++++	AVRG		3261		0.000e+00
(4)	+++++	+++++	+++++	1978	+++++	AVRG		1978		0.000e+00
(5)	+++++	+++++	+++++	2202	+++++	AVRG		2202		0.000e+00
66 2,4'-Dichlorobiphenyl (8)	72144	57683	55720	52736	50772	AVRG		57811		14.60399
67 2,2',5-Trichlorobiphenyl (18)	89840	70484	68372	64057	61855	AVRG		70922		15.66797
4 Aroclor-1242(1)	+++++	+++++	+++++	8295	+++++	AVRG		8295		0.000e+00
(2)	+++++	+++++	+++++	6265	+++++	AVRG		6265		0.000e+00
(3)	+++++	+++++	+++++	3710	+++++	AVRG		3710		0.000e+00
(4)	+++++	+++++	+++++	2584	+++++	AVRG		2584		0.000e+00
(5)	+++++	+++++	+++++	4649	+++++	AVRG		4649		0.000e+00
1 Aroclor-1016(1)	9686	9008	8557	7781	7320	AVRG		8471		11.15898
(2)	5475	5145	4948	4508	4456	AVRG		4906		8.78635
(3)	5696	5400	4964	4528	4328	AVRG		4983		11.52121
(4)	5962	5280	5093	4597	4273	AVRG		5041		12.90991
(5)	7424	6901	6535	6008	5702	AVRG		6514		10.56285

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m
Cal Date : 15-Aug-2006 15:45 kho01178

	10	50	100	250	500		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Curve	b	m1	m2	or R^2
68 2,4,4'-Trichlorobiphenyl (28)	167068	139524	139911	134684	132674	AVRG		142772		9.75819
5 Aroclor-1248(1)	+++++	+++++	+++++	5501	+++++	AVRG		5501		0.000e+00
(2)	+++++	+++++	+++++	6916	+++++	AVRG		6916		0.000e+00
(3)	+++++	+++++	+++++	3991	+++++	AVRG		3991		0.000e+00
(4)	+++++	+++++	+++++	7852	+++++	AVRG		7852		0.000e+00
(5)	+++++	+++++	+++++	6438	+++++	AVRG		6438		0.000e+00
69 Tetrachlorobiphenyl (52)	112096	90030	88537	82238	79792	AVRG		90539		14.11628
70 Tetrachlorobiphenyl (49)	173488	136569	134687	128753	122440	AVRG		139188		14.33738
71 Tetrachlorobiphenyl (44)	167127	133994	131619	125399	120156	AVRG		135659		13.56708
6 Aroclor-1254(1)	+++++	+++++	+++++	8739	+++++	AVRG		8739		0.000e+00
(2)	+++++	+++++	+++++	11557	+++++	AVRG		11557		0.000e+00
(3)	+++++	+++++	+++++	14678	+++++	AVRG		14678		0.000e+00
(4)	+++++	+++++	+++++	10796	+++++	AVRG		10796		0.000e+00
(5)	+++++	+++++	+++++	10819	+++++	AVRG		10819		0.000e+00
72 Tetrachlorobiphenyl (66)	187109	154134	154385	148381	143171	AVRG		157436		10.93823
73 Pentachlorobiphenyl (101)	182285	145457	143236	136693	131200	AVRG		147774		13.59507
74 Pentachlorobiphenyl (87)	238725	198427	197945	191275	183775	AVRG		202029		10.57312
92 Tetrachlorobiphenyl (81)	146788	118548	120165	120083	116783	AVRG		124474		10.08263
75 Tetrachlorobiphenyl (77)	112043	92436	94243	94402	92524	AVRG		97130		8.63583
7 Aroclor-1260(1)	15474	14131	13369	12298	11546	AVRG		13363		11.52168
(2)	11498	10616	10106	9357	9131	AVRG		10142		9.48527
(3)	11987	11141	10677	9881	9738	AVRG		10685		8.68667
(4)	25014	23691	23083	21606	21077	AVRG		22894		6.94806
(5)	13843	13015	12530	11723	11783	AVRG		12579		7.06285

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m
Cal Date : 15-Aug-2006 15:45 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Pentachlorobiphenyl (123)	193215	164608	165905	162621	157572	AVRG		168784		8.30671
76 Pentachlorobiphenyl (118)	209879	171444	171019	165851	160594	AVRG		175757		11.13996
61 Pentachlorobiphenyl (114)	244273	229635	238353	237102	230877	AVRG		236048		2.52361
78 Hexachlorobiphenyl (153)	226091	176603	174190	168453	162221	AVRG		181512		14.06671
77 Heptachlorobiphenyl (184)	2848537	10490272	20101395	46770622	87821362	LINR	-12.12641	173116		0.99913
79 Pentachlorobiphenyl (105)	268510	221099	225235	221235	215057	AVRG		230227		9.42860
80 Hexachlorobiphenyl (138)	265998	222428	221892	211881	205090	AVRG		225458		10.55352
83 Pentachlorobiphenyl (126)	144376	129285	117440	110102	99847	AVRG		120210		14.35353
81 Heptachlorobiphenyl (187)	244985	200047	199160	189705	182993	AVRG		203378		11.94961
82 Heptachlorobiphenyl (183)	289151	238714	255009	239804	236967	AVRG		251929		8.74271
65 Hexachlorobiphenyl (167)	253419	209124	210363	197141	191831	AVRG		212376		11.42108
84 Hexachlorobiphenyl (128)	313174	262787	264330	249689	240677	AVRG		266131		10.53740
86 Hexachlorobiphenyl (156)	307008	274432	281644	273859	267961	AVRG		280981		5.45865
63 Hexachlorobiphenyl (157)	298114	255182	257147	244691	238519	AVRG		258730		9.00596
8 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
87 Heptachlorobiphenyl (180)	334898	279548	279635	263684	256147	AVRG		282782		10.91477
89 Hexachlorobiphenyl (169)	255359	191260	189694	184972	181805	AVRG		200618		15.36809
88 Heptachlorobiphenyl (170)	342879	292869	293509	284727	276491	AVRG		298095		8.71455
64 Heptachlorobiphenyl (189)	286814	259753	266798	269378	264919	AVRG		269532		3.81567
90 Octachlorobiphenyl (195)	412935	333622	329675	310471	299326	AVRG		337206		13.22417

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-F-8082CONG-072506.m
Cal Date : 15-Aug-2006 15:45 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
91 Nonachlorobiphenyl (206)	342843	284399	282506	269274	265095	AVRG		288823		10.84266
9 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
11 Decachlorobiphenyl	326674	265894	259747	247472	242076	AVRG		268373		12.64698
$ 10 4cmx	310349	263338	266739	270097	274779	AVRG		277060		6.88776

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m
Cal Date : 15-Aug-2006 16:18 kho01178

Calibration File Names:
Level 1: /chem/ecd8a.i/070606c.b/009b0901.d
Level 2: /chem/ecd8a.i/070606c.b/010b1001.d
Level 3: /chem/ecd8a.i/070606c.b/011b1101.d
Level 4: /chem/ecd8a.i/062806c.b/018b1801.d
Level 5: /chem/ecd8a.i/070606c.b/013b1301.d

50

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
2 Aroclor-1221(1)	+++++	+++++	+++++	1557	+++++	AVRG		1557		0.000e+00
(2)	+++++	+++++	+++++	1098	+++++	AVRG		1098		0.000e+00
(3)	+++++	+++++	+++++	4164	+++++	AVRG		4164		0.000e+00
3 Aroclor-1232(1)	+++++	+++++	+++++	1018	+++++	AVRG		1018		0.000e+00
(2)	+++++	+++++	+++++	2181	+++++	AVRG		2181		0.000e+00
(3)	+++++	+++++	+++++	1317	+++++	AVRG		1317		0.000e+00
(4)	+++++	+++++	+++++	1092	+++++	AVRG		1092		0.000e+00
(5)	+++++	+++++	+++++	1607	+++++	AVRG		1607		0.000e+00
1 Aroclor-1016(1)	7692	7177	7277	6653	6148	AVRG		6989		8.56386
(2)	4461	4223	4375	4044	3898	AVRG		4200		5.51189
(3)	4735	4376	4459	4056	3782	AVRG		4282		8.63026
(4)	4952	4551	4649	4217	3927	AVRG		4459		8.89277
(5)	6067	5636	5760	5362	5111	AVRG		5587		6.57132
66 2,4'-Dichlorobiphenyl (8)	37305	31215	31583	31932	32639	AVRG		32935		7.58799
4 Aroclor-1242(1)	+++++	+++++	+++++	5697	+++++	AVRG		5697		0.000e+00
(2)	+++++	+++++	+++++	5344	+++++	AVRG		5344		0.000e+00
(3)	+++++	+++++	+++++	3326	+++++	AVRG		3326		0.000e+00
(4)	+++++	+++++	+++++	3082	+++++	AVRG		3082		0.000e+00
(5)	+++++	+++++	+++++	4424	+++++	AVRG		4424		0.000e+00

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m
Cal Date : 15-Aug-2006 16:18 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
67 2,2',5-Trichlorobiphenyl (18)	45920	38744	39364	39957	40719	AVRG		40941		7.02839
5 Aroclor-1248(1)	+++++	+++++	+++++	4126	+++++	AVRG		4126		0.000e+00
(2)	+++++	+++++	+++++	5244	+++++	AVRG		5244		0.000e+00
(3)	+++++	+++++	+++++	5373	+++++	AVRG		5373		0.000e+00
(4)	+++++	+++++	+++++	6020	+++++	AVRG		6020		0.000e+00
(5)	+++++	+++++	+++++	6683	+++++	AVRG		6683		0.000e+00
68 2,4,4'-Trichlorobiphenyl (28)	93713	84158	88450	93367	98826	AVRG		91703		6.09714
69 Tetrachlorobiphenyl (52)	67386	57618	59697	62151	65202	AVRG		62411		6.35628
70 Tetrachlorobiphenyl (49)	83002	71430	74115	77175	80563	AVRG		77257		6.06317
71 Tetrachlorobiphenyl (44)	89322	77675	81007	84148	87715	AVRG		83973		5.68328
72 Tetrachlorobiphenyl (66)	100558	91654	97068	102756	109833	AVRG		100374		6.72274
73 Pentachlorobiphenyl (101)	92682	80457	83047	86597	91962	AVRG		86949		6.17988
6 Aroclor-1254(1)	+++++	+++++	+++++	9732	+++++	AVRG		9732		0.000e+00
(2)	+++++	+++++	+++++	7064	+++++	AVRG		7064		0.000e+00
(3)	+++++	+++++	+++++	13227	+++++	AVRG		13227		0.000e+00
(4)	+++++	+++++	+++++	9493	+++++	AVRG		9493		0.000e+00
(5)	+++++	+++++	+++++	6155	+++++	AVRG		6155		0.000e+00
92 Tetrachlorobiphenyl (81)	103315	95012	99084	105590	111855	AVRG		102971		6.22514
74 Pentachlorobiphenyl (87)	103315	95012	99084	105590	111855	AVRG		102971		6.22514
75 Tetrachlorobiphenyl (77)	55090	57876	57114	60824	66239	AVRG		59429		7.28276
62 Pentachlorobiphenyl (123)	101648	94858	101061	108678	117104	AVRG		104670		8.12214
76 Pentachlorobiphenyl (118)	113675	100112	103211	108077	115793	AVRG		108174		6.16581
7 Aroclor-1260(1)	11177	10055	10854	10045	10365	AVRG		10499		4.77769
(2)	12713	12064	13115	12162	12742	AVRG		12559		3.49337
(3)	8331	7785	8440	7854	8157	AVRG		8113		3.54280
(4)	8836	8324	9044	8409	8718	AVRG		8666		3.44950
(5)	17808	17289	18582	17805	19393	AVRG		18176		4.52409

51

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m
Cal Date : 15-Aug-2006 16:18 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
78 Hexachlorobiphenyl (153)	111790	96483	99914	103785	110131	AVRG		104421		6.25521
77 Heptachlorobiphenyl (184)	124530	103791	106681	110555	116534	AVRG		112418		7.36817
61 Pentachlorobiphenyl (114)	146929	142254	153664	167151	180946	AVRG		158189		9.99230
8 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
79 Pentachlorobiphenyl (105)	141656	130756	139463	149789	161631	AVRG		144659		8.05920
80 Hexachlorobiphenyl (138)	136158	121234	127641	135173	144766	AVRG		132994		6.72827
81 Heptachlorobiphenyl (187)	120950	105329	110255	117427	124712	AVRG		115735		6.81649
82 Heptachlorobiphenyl (183)	154895	131538	135366	140653	148735	AVRG		142237		6.73097
83 Pentachlorobiphenyl (126)	689982	3392754	7290849	19683059	42856112	LINR	11.48800	86695		0.99828
65 Hexachlorobiphenyl (167)	123074	110131	115278	121739	130192	AVRG		120083		6.39670
84 Hexachlorobiphenyl (128)	163264	145953	153669	162283	173149	AVRG		159663		6.46048
86 Hexachlorobiphenyl (156)	166815	153756	164680	177205	192149	AVRG		170921		8.48134
87 Heptachlorobiphenyl (180)	166387	145226	151387	158395	169005	AVRG		158080		6.31392
63 Hexachlorobiphenyl (157)	149132	135174	144032	153408	165496	AVRG		149448		7.52885
89 Hexachlorobiphenyl (169)	110836	98552	102565	109291	118101	AVRG		107869		7.03653
88 Heptachlorobiphenyl (170)	179416	160230	168377	178687	192313	AVRG		175804		6.91772
64 Heptachlorobiphenyl (189)	166391	151571	160280	171283	186822	AVRG		167269		7.87740
9 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/081406c.b/ECD2-B-8082CONG-072506.m
Cal Date : 15-Aug-2006 16:18 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
90 Octachlorobiphenyl (195)	178272	159088	166468	177585	190397	AVRG		174362		6.89656
91 Nonachlorobiphenyl (206)	156227	139071	145064	154100	166587	AVRG		152210		6.96919
11 Decachlorobiphenyl	137641	122275	127384	134590	145507	AVRG		133479		6.76218
10 4cmx	185639	168732	179878	194178	210995	AVRG		187884		8.45596

Curve	Formula	Units
Averaged	Amt = Rsp/ml	Response
Linear	Amt = b + Rsp/ml	Response

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603

Instrument ID: ECD8A Calibration Date: 08/14/06 Time: 1321

Lab File ID: 009F0901 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Decachlorobiphenyl	99.6	100	AVRG	-0.4	15.0	
Pentachlorobiphenyl (114)	111	100	AVRG	11.0	15.0	
Pentachlorobiphenyl (123)	106	100	AVRG	6.0	15.0	
Hexachlorobiphenyl (157)	109	100	AVRG	9.0	15.0	
Heptachlorobiphenyl (189)	108	100	AVRG	8.0	15.0	
Hexachlorobiphenyl (167)	104	100	AVRG	4.0	15.0	
2,4'-Dichlorobiphenyl (8)	103	100	AVRG	3.0	15.0	
2,2',5-Trichlorobiphenyl (18	103	100	AVRG	3.0	15.0	
2,4,4'-Trichlorobiphenyl (28	104	100	AVRG	4.0	15.0	
Tetrachlorobiphenyl (52)	94.6	100	AVRG	-5.4	15.0	
Tetrachlorobiphenyl (49)	102	100	AVRG	2.0	15.0	
Tetrachlorobiphenyl (44)	101	100	AVRG	1.0	15.0	
Tetrachlorobiphenyl (66)	102	100	AVRG	2.0	15.0	
Pentachlorobiphenyl (101)	104	100	AVRG	4.0	15.0	
Pentachlorobiphenyl (87)	103	100	AVRG	3.0	15.0	
Tetrachlorobiphenyl (77)	84.2	100	AVRG	-15.8	15.0	<-
Pentachlorobiphenyl (118)	107	100	AVRG	7.0	15.0	
Heptachlorobiphenyl (184)	113	100	LINR	13.0	15.0	
Hexachlorobiphenyl (153)	108	100	AVRG	8.0	15.0	
Pentachlorobiphenyl (105)	107	100	AVRG	7.0	15.0	
Hexachlorobiphenyl (138)	102	100	AVRG	2.0	15.0	
Heptachlorobiphenyl (187)	104	100	AVRG	4.0	15.0	
Heptachlorobiphenyl (183)	102	100	AVRG	2.0	15.0	
Pentachlorobiphenyl (126)	110	100	AVRG	10.0	15.0	
Hexachlorobiphenyl (128)	108	100	AVRG	8.0	15.0	
Hexachlorobiphenyl (156)	106	100	AVRG	6.0	15.0	
Heptachlorobiphenyl (180)	103	100	AVRG	3.0	15.0	
Heptachlorobiphenyl (170)	101	100	AVRG	1.0	15.0	
Hexachlorobiphenyl (169)	98.7	100	AVRG	-1.3	15.0	
Octachlorobiphenyl (195)	101	100	AVRG	1.0	15.0	
Nonachlorobiphenyl (206)	107	100	AVRG	7.0	15.0	
Tetrachlorobiphenyl (81)	107	100	AVRG	7.0	15.0	
4cmx	83.3	80.0	AVRG	4.1	30.0	

FORM VII PEST

168168

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603

Instrument ID: ECD8A Calibration Date: 08/14/06 Time: 1321

Lab File ID: 009B0901 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	99.6	100	AVRG	-0.4	15.0
Pentachlorobiphenyl (114)	105	100	AVRG	5.0	15.0
Pentachlorobiphenyl (123)	101	100	AVRG	1.0	15.0
Hexachlorobiphenyl (157)	106	100	AVRG	6.0	15.0
Heptachlorobiphenyl (189)	104	100	AVRG	4.0	15.0
Hexachlorobiphenyl (167)	99.7	100	AVRG	-0.3	15.0
2,4'-Dichlorobiphenyl (8)	102	100	AVRG	2.0	15.0
2,2',5-Trichlorobiphenyl (18	101	100	AVRG	1.0	15.0
2,4,4'-Trichlorobiphenyl (28	104	100	AVRG	4.0	15.0
Tetrachlorobiphenyl (52)	94.4	100	AVRG	-5.6	15.0
Tetrachlorobiphenyl (49)	99.2	100	AVRG	-0.8	15.0
Tetrachlorobiphenyl (44)	99.0	100	AVRG	-1.0	15.0
Tetrachlorobiphenyl (66)	94.5	100	AVRG	-5.5	15.0
Pentachlorobiphenyl (101)	98.7	100	AVRG	-1.3	15.0
Pentachlorobiphenyl (87)	201	200	AVRG	0.5	15.0
Tetrachlorobiphenyl (77)	103	100	AVRG	3.0	15.0
Pentachlorobiphenyl (118)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (184)	101	100	AVRG	1.0	15.0
Hexachlorobiphenyl (153)	103	100	AVRG	3.0	15.0
Pentachlorobiphenyl (105)	99.0	100	AVRG	-1.0	15.0
Hexachlorobiphenyl (138)	97.9	100	AVRG	-2.1	15.0
Heptachlorobiphenyl (187)	100	100	AVRG	0.0	15.0
Heptachlorobiphenyl (183)	98.7	100	AVRG	-1.3	15.0
Pentachlorobiphenyl (126)	114	100	LINR	14.0	15.0
Hexachlorobiphenyl (128)	105	100	AVRG	5.0	15.0
Hexachlorobiphenyl (156)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (180)	99.4	100	AVRG	-0.6	15.0
Heptachlorobiphenyl (170)	98.2	100	AVRG	-1.8	15.0
Hexachlorobiphenyl (169)	98.6	100	AVRG	-1.4	15.0
Octachlorobiphenyl (195)	98.6	100	AVRG	-1.4	15.0
Nonachlorobiphenyl (206)	106	100	AVRG	6.0	15.0
Tetrachlorobiphenyl (81)	201	200	AVRG	0.5	15.0
4cmx	82.4	80.0	AVRG	3.0	30.0

FORM VII PEST

168169

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603

Instrument ID: ECD8A Calibration Date: 08/14/06 Time: 1742

Lab File ID: 019F1901 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	96.5	100	AVRG	-3.5	15.0
Pentachlorobiphenyl (114)	108	100	AVRG	8.0	15.0
Pentachlorobiphenyl (123)	105	100	AVRG	5.0	15.0
Hexachlorobiphenyl (157)	104	100	AVRG	4.0	15.0
Heptachlorobiphenyl (189)	102	100	AVRG	2.0	15.0
Hexachlorobiphenyl (167)	104	100	AVRG	4.0	15.0
2,4'-Dichlorobiphenyl (8)	104	100	AVRG	4.0	15.0
2,2',5-Trichlorobiphenyl (18	104	100	AVRG	4.0	15.0
2,4,4'-Trichlorobiphenyl (28	105	100	AVRG	5.0	15.0
Tetrachlorobiphenyl (52)	103	100	AVRG	3.0	15.0
Tetrachlorobiphenyl (49)	102	100	AVRG	2.0	15.0
Tetrachlorobiphenyl (44)	103	100	AVRG	3.0	15.0
Tetrachlorobiphenyl (66)	105	100	AVRG	5.0	15.0
Pentachlorobiphenyl (101)	102	100	AVRG	2.0	15.0
Pentachlorobiphenyl (87)	104	100	AVRG	4.0	15.0
Tetrachlorobiphenyl (77)	111	100	AVRG	11.0	15.0
Pentachlorobiphenyl (118)	104	100	AVRG	4.0	15.0
Heptachlorobiphenyl (184)	108	100	LINR	8.0	15.0
Hexachlorobiphenyl (153)	103	100	AVRG	3.0	15.0
Pentachlorobiphenyl (105)	105	100	AVRG	5.0	15.0
Hexachlorobiphenyl (138)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (187)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (183)	98.3	100	AVRG	-1.7	15.0
Pentachlorobiphenyl (126)	102	100	AVRG	2.0	15.0
Hexachlorobiphenyl (128)	103	100	AVRG	3.0	15.0
Hexachlorobiphenyl (156)	105	100	AVRG	5.0	15.0
Heptachlorobiphenyl (180)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (170)	102	100	AVRG	2.0	15.0
Hexachlorobiphenyl (169)	98.9	100	AVRG	-1.1	15.0
Octachlorobiphenyl (195)	95.2	100	AVRG	-4.8	15.0
Nonachlorobiphenyl (206)	97.4	100	AVRG	-2.6	15.0
Tetrachlorobiphenyl (81)	107	100	AVRG	7.0	15.0
4cmx	82.7	80.0	AVRG	3.4	30.0

FORM VII PEST

168170

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603

Instrument ID: ECD8A Calibration Date: 08/14/06 Time: 1742

Lab File ID: 019B1901 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	93.2	100	AVRG	-6.8	15.0
Pentachlorobiphenyl (114)	98.6	100	AVRG	-1.4	15.0
Pentachlorobiphenyl (123)	101	100	AVRG	1.0	15.0
Hexachlorobiphenyl (157)	96.3	100	AVRG	-3.7	15.0
Heptachlorobiphenyl (189)	97.6	100	AVRG	-2.4	15.0
Hexachlorobiphenyl (167)	98.5	100	AVRG	-1.5	15.0
2,4'-Dichlorobiphenyl (8)	98.8	100	AVRG	-1.2	15.0
2,2',5-Trichlorobiphenyl (18	98.2	100	AVRG	-1.8	15.0
2,4,4'-Trichlorobiphenyl (28	99.8	100	AVRG	-0.2	15.0
Tetrachlorobiphenyl (52)	98.1	100	AVRG	-1.9	15.0
Tetrachlorobiphenyl (49)	98.4	100	AVRG	-1.6	15.0
Tetrachlorobiphenyl (44)	98.8	100	AVRG	-1.2	15.0
Tetrachlorobiphenyl (66)	100	100	AVRG	0.0	15.0
Pentachlorobiphenyl (101)	98.0	100	AVRG	-2.0	15.0
Pentachlorobiphenyl (87)	201	200	AVRG	0.5	15.0
Tetrachlorobiphenyl (77)	103	100	AVRG	3.0	15.0
Pentachlorobiphenyl (118)	98.2	100	AVRG	-1.8	15.0
Heptachlorobiphenyl (184)	93.2	100	AVRG	-6.8	15.0
Hexachlorobiphenyl (153)	93.8	100	AVRG	-6.2	15.0
Pentachlorobiphenyl (105)	96.9	100	AVRG	-3.1	15.0
Hexachlorobiphenyl (138)	98.6	100	AVRG	-1.4	15.0
Heptachlorobiphenyl (187)	98.0	100	AVRG	-2.0	15.0
Heptachlorobiphenyl (183)	96.4	100	AVRG	-3.6	15.0
Pentachlorobiphenyl (126)	100	100	LINR	0.0	15.0
Hexachlorobiphenyl (128)	98.7	100	AVRG	-1.3	15.0
Hexachlorobiphenyl (156)	97.5	100	AVRG	-2.5	15.0
Heptachlorobiphenyl (180)	97.1	100	AVRG	-2.9	15.0
Heptachlorobiphenyl (170)	98.5	100	AVRG	-1.5	15.0
Hexachlorobiphenyl (169)	99.0	100	AVRG	-1.0	15.0
Octachlorobiphenyl (195)	92.9	100	AVRG	-7.1	15.0
Nonachlorobiphenyl (206)	95.9	100	AVRG	-4.1	15.0
Tetrachlorobiphenyl (81)	201	200	AVRG	0.5	15.0
4cmx	78.5	80.0	AVRG	-1.9	30.0

FORM VII PEST

168171

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s):08/14/06 08/14/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.30

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060807-03	08/14/06	0941	3.29	
02	ZZZZZ	ZZZZZ	08/14/06	1007		
03	PIBLK02	WAR060807-03	08/14/06	1045	3.30	
04	CONSTD01	WAR060814-51	08/14/06	1111	3.30	
05	CONSTD02	WAR060814-52	08/14/06	1137	3.29	
06	CONSTD03	WAR060814-53	08/14/06	1203	3.30	
07	CONSTD04	WAR060814-54	08/14/06	1229	3.30	
08	CONSTD05	IAR060807-50	08/14/06	1255	3.30	
09	CONSTD01	WAR060724-5	08/14/06	1321	3.30	
10	PIBLK03	WAR060807-03	08/14/06	1347	3.30	
11	PBLK01	1201154813	08/14/06	1413	3.30	
12	PBLK01LCS	1201154814	08/14/06	1439	3.30	
13	ZZZZZ	ZZZZZ	08/14/06	1505	3.30	
14	ZZZZZ	ZZZZZ	08/14/06	1531	3.30	
15	20608082001,02,03	168603001	08/14/06	1558	3.29	
16	20608082001,02,03MS	1201154820	08/14/06	1624	3.30	
17	20608082001,02,03MSD	1201154821	08/14/06	1650	3.30	
18	20608082004	168603002	08/14/06	1716	3.30	
19	CONSTD02	WAR060814-53	08/14/06	1742	3.30	
20	PIBLK04	WAR060807-03	08/14/06	1808	3.29	
21	ZZZZZ	ZZZZZ	08/14/06	1834	3.30	
22	ZZZZZ	ZZZZZ	08/14/06	1900	3.30	
23	ZZZZZ	ZZZZZ	08/14/06	1926	3.30	
24	ZZZZZ	ZZZZZ	08/14/06	1952	3.29	
25	CONSTD03	WAR060814-53	08/14/06	2018	3.30	
26						
27						
28						
29						
30						
31						
32						

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603

GC Column: DB-17MS ID: 0.25 (mm) Init. Calib. Date(s): 08/14/06 08/14/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.43

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060807-03	08/14/06	0941	4.42	
02	ZZZZZ	ZZZZZ	08/14/06	1007	4.43	
03	PIBLK02	WAR060807-03	08/14/06	1045	4.42	
04	CONSTD01	WAR060814-51	08/14/06	1111	4.43	
05	CONSTD02	WAR060814-52	08/14/06	1137	4.42	
06	CONSTD03	WAR060814-53	08/14/06	1203	4.42	
07	CONSTD04	WAR060814-54	08/14/06	1229	4.42	
08	CONSTD05	IAR060807-50	08/14/06	1255	4.42	
09	CONSTD01	WAR060724-5	08/14/06	1321	4.43	
10	PIBLK03	WAR060807-03	08/14/06	1347	4.42	
11	PBLK01	1201154813	08/14/06	1413	4.42	
12	PBLK01LCS	1201154814	08/14/06	1439	4.43	
13	ZZZZZ	ZZZZZ	08/14/06	1505	4.43	
14	ZZZZZ	ZZZZZ	08/14/06	1531	4.43	
15	20608082001,02,03	168603001	08/14/06	1558	4.42	
16	20608082001,02,03MS	1201154820	08/14/06	1624	4.43	
17	20608082001,02,03MSD	1201154821	08/14/06	1650	4.43	
18	20608082004	168603002	08/14/06	1716	4.43	
19	CONSTD02	WAR060814-53	08/14/06	1742	4.43	
20	PIBLK04	WAR060807-03	08/14/06	1808	4.42	
21	ZZZZZ	ZZZZZ	08/14/06	1834	4.43	
22	ZZZZZ	ZZZZZ	08/14/06	1900	4.43	
23	ZZZZZ	ZZZZZ	08/14/06	1926	4.43	
24	ZZZZZ	ZZZZZ	08/14/06	1952	4.43	
25	CONSTD03	WAR060814-53	08/14/06	2018	4.43	
26						
27						
28						
29						
30						
31						
32						

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Identification Summary

SDG Number: 168603 **Client ID:** LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	**Data File:**	012b1201GCAL1.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 14:39	**Analyzed:**	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							3.45
Column 1	1	13.5	13.4 - 13.5	.12	.12	ug/L	
Column 2	1	17.5	17.5 - 17.5	.116	.116	ug/L	
Decachlorobiphenyl							.0374
Column 1	1	16.1	16 - 16.1	.0944	.0944	ug/L	
Column 2	1	20.7	20.7 - 20.7	.0943	.0943	ug/L	
2,4'-Dichlorobiphenyl (8)							23.5
Column 1	1	3.91	3.89 - 3.93	.126	.126	ug/L	
Column 2	1	5.36	5.34 - 5.38	.0992	.0992	ug/L	
2,2',5-Trichlorobiphenyl (18)							4.02
Column 1	1	4.5	4.47 - 4.51	.0883	.0883	ug/L	
Column 2	1	6.1	6.08 - 6.12	.0848	.0848	ug/L	
2,4,4'-Trichlorobiphenyl (28)							3.1
Column 1	1	5.27	5.25 - 5.29	.104	.104	ug/L	
Column 2	1	6.94	6.92 - 6.96	.108	.108	ug/L	

168174

Identification Summary

SDG Number: 168603 Client ID: LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	Data File:	012b1201GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 14:39	Analyzed:	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							8.83
Column 1	1	5.82	5.8 – 5.84	.125		ug/L	
					.125		
Column 2	1	7.59	7.57 – 7.61	.115		ug/L	
					.115		
Tetrachlorobiphenyl (49)							.481
Column 1	1	5.85	5.83 – 5.87	.0958		ug/L	
					.0958		
Column 2	1	7.67	7.65 – 7.69	.0963		ug/L	
					.0963		
Tetrachlorobiphenyl (44)							3.68
Column 1	1	6.18	6.16 – 6.2	.112		ug/L	
					.112		
Column 2	1	8.14	8.12 – 8.16	.108		ug/L	
					.108		
Tetrachlorobiphenyl (66)							.558
Column 1	1	6.94	6.92 – 6.96	.104		ug/L	
					.104		
Column 2	1	9.13	9.11 – 9.15	.104		ug/L	
					.104		
Pentachlorobiphenyl (101)							1.59
Column 1	1	7.28	7.26 – 7.3	.124		ug/L	
					.124		
Column 2	1	9.62	9.6 – 9.64	.122		ug/L	
					.122		

168175

Identification Summary

SDG Number: 168603 **Client ID:** LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	**Data File:**	012b1201GCAL1.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 14:39	**Analyzed:**	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							68.6
Column 1	1	7.8	7.78 - 7.82	.0958	.0958	ug/L	
Column 2	1	10.5	10.5 - 10.5	.196	.196	ug/L	
Tetrachlorobiphenyl (77)							1.06
Column 1	1	8.23	8.21 - 8.25	.112	.112	ug/L	
Column 2	1	10.9	10.9 - 10.9	.111	.111	ug/L	
Pentachlorobiphenyl (123)							.129
Column 1	1	8.57	8.55 - 8.59	.107	.107	ug/L	
Column 2	1	11.4	11.4 - 11.4	.108	.108	ug/L	
Pentachlorobiphenyl (118)							1.93
Column 1	1	8.65	8.63 - 8.67	.097	.097	ug/L	
Column 2	1	11.5	11.5 - 11.5	.0952	.0952	ug/L	
Pentachlorobiphenyl (114)							2.58
Column 1	1	8.77	8.75 - 8.79	.1	.1	ug/L	
Column 2	1	11.9	11.8 - 11.9	.0978	.0978	ug/L	

168176

Identification Summary

SDG Number: 168603 Client ID: LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	Data File:	012b1201GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 14:39	Analyzed:	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							6.8
Column 1	1	8.81	8.79 - 8.83	.104		ug/L	
					.104		
Column 2	1	11.9	11.9 - 12	.0974		ug/L	
					.0974		
Hexachlorobiphenyl (153)							.576
Column 1	1	9.09	9.07 - 9.11	.103		ug/L	
					.103		
Column 2	1	12.1	12 - 12.1	.103		ug/L	
					.103		
Pentachlorobiphenyl (105)							1.38
Column 1	1	9.27	9.25 - 9.29	.0984		ug/L	
					.0984		
Column 2	1	12.5	12.5 - 12.5	.097		ug/L	
					.097		
Hexachlorobiphenyl (138)							.984
Column 1	1	9.75	9.73 - 9.77	.108		ug/L	
					.108		
Column 2	1	13.1	13.1 - 13.2	.109		ug/L	
					.109		
Heptachlorobiphenyl (183)							2.27
Column 1	1	10.2	10.2 - 10.2	.1		ug/L	
					.1		
Column 2	1	13.6	13.6 - 13.6	.0978		ug/L	
					.0978		

168177

Identification Summary

SDG Number: 168603 Client ID: LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	Data File:	012b1201GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 14:39	Analyzed:	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							6.96
Column 1	1	10.2	10.2 - 10.2	.112	.112	ug/L	
Column 2	1	13.5	13.5 - 13.5	.105	.105	ug/L	
Hexachlorobiphenyl (128)							2.07
Column 1	1	10.5	10.4 - 10.5	.1	.1	ug/L	
Column 2	1	14.3	14.2 - 14.3	.0982	.0982	ug/L	
Hexachlorobiphenyl (167)							.0148
Column 1	1	10.6	10.6 - 10.6	.109	.109	ug/L	
Column 2	1	14	14 - 14	.109	.109	ug/L	
Hexachlorobiphenyl (156)							2.61
Column 1	1	11.2	11.2 - 11.2	.115	.115	ug/L	
Column 2	1	14.9	14.9 - 14.9	.112	.112	ug/L	
Hexachlorobiphenyl (157)							1.12
Column 1	1	11.4	11.3 - 11.4	.118	.118	ug/L	
Column 2	1	15.2	15.2 - 15.2	.117	.117	ug/L	

168178

Identification Summary

SDG Number: 168603 **Client ID:** LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	**Data File:**	012b1201GCAL1.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 14:39	**Analyzed:**	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							3.11
Column 1	1	11.6	11.6 – 11.6	.097	.097	ug/L	
Column 2	1	15.3	15.3 – 15.3	.0941	.0941	ug/L	
Hexachlorobiphenyl (169)							.449
Column 1	1	12.5	12.5 – 12.5	.0978	.0978	ug/L	
Column 2	1	16.2	16.2 – 16.2	.0983	.0983	ug/L	
Heptachlorobiphenyl (170)							2.57
Column 1	1	12.4	12.4 – 12.4	.101	.101	ug/L	
Column 2	1	16.6	16.6 – 16.6	.0989	.0989	ug/L	
Heptachlorobiphenyl (187)							1.39
Column 1	1	10.1	10 – 10.1	.104	.104	ug/L	
Column 2	1	13.5	13.4 – 13.5	.103	.103	ug/L	
Octachlorobiphenyl (195)							1.41
Column 1	1	13.5	13.5 – 13.6	.096	.096	ug/L	
Column 2	1	18.1	18 – 18.1	.0973	.0973	ug/L	

168179

Identification Summary

SDG Number: 168603 **Client ID:** LCS for batch 556426

Lab Sample ID: 1201154814

Data File:	012f1201GCAL1.d	**Data File:**	012b1201GCAL1.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 14:39	**Analyzed:**	14-AUG-06 14:39

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							.493
Column 1	1	15.4	15.4 - 15.4	.106	.106	ug/L	
Column 2	1	20	20 - 20	.105	.105	ug/L	

168180

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	Data File:	016b1601.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:24	Analyzed:	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							5.41
Column 1	1	13.5	13.4 – 13.5	.0785		ug/L	
					.0785		
Column 2	1	17.5	17.5 – 17.5	.0744		ug/L	
					.0744		
Decachlorobiphenyl							3.6
Column 1	1	16.1	16 – 16.1	.066		ug/L	
					.066		
Column 2	1	20.7	20.7 – 20.7	.0637		ug/L	
					.0637		
2,4'-Dichlorobiphenyl (8)							41.6
Column 1	1	3.91	3.89 – 3.93	.105		ug/L	
					.105		
Column 2	1	5.36	5.34 – 5.38	.0687		ug/L	
					.0687		
2,2',5-Trichlorobiphenyl (18)							11.6
Column 1	1	4.49	4.47 – 4.51	.0717		ug/L	
					.0717		
Column 2	1	6.1	6.08 – 6.12	.0639		ug/L	
					.0639		
2,4,4'-Trichlorobiphenyl (28)							8.58
Column 1	1	5.27	5.25 – 5.29	.0881		ug/L	
					.0881		
Column 2	1	6.94	6.92 – 6.96	.0808		ug/L	
					.0808		

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	**Data File:**	016b1601.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:24	**Analyzed:**	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							7.81
Column 1	1	5.82	5.8 – 5.84	.0913	.0913	ug/L	
Column 2	1	7.59	7.57 – 7.61	.0844	.0844	ug/L	
Tetrachlorobiphenyl (49)							7.92
Column 1	1	5.85	5.83 – 5.87	.0705	.0705	ug/L	
Column 2	1	7.67	7.65 – 7.69	.0652	.0652	ug/L	
Tetrachlorobiphenyl (44)							22.7
Column 1	1	6.18	6.16 – 6.2	.0662	.0662	ug/L	
Column 2	1	8.14	8.12 – 8.16	.0831	.0831	ug/L	
Tetrachlorobiphenyl (66)							11.4
Column 1	1	6.94	6.92 – 6.96	.0811	.0811	ug/L	
Column 2	1	9.13	9.11 – 9.15	.0723	.0723	ug/L	
Pentachlorobiphenyl (101)							6.06
Column 1	1	7.28	7.26 – 7.3	.0905	.0905	ug/L	
Column 2	1	9.62	9.6 – 9.64	.0852	.0852	ug/L	

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	Data File:	016b1601.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:24	Analyzed:	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							75.3
Column 1	1	7.8	7.78 – 7.82	.0639		ug/L	
					.0639		
Column 2	1	10.5	10.5 – 10.5	.141		ug/L	
					.141		
Tetrachlorobiphenyl (77)							8.75
Column 1	1	8.23	8.21 – 8.25	.089		ug/L	
					.089		
Column 2	1	10.9	10.9 – 10.9	.0815		ug/L	
					.0815		
Pentachlorobiphenyl (123)							5.57
Column 1	1	8.57	8.55 – 8.59	.0789		ug/L	
					.0789		
Column 2	1	11.4	11.4 – 11.4	.0746		ug/L	
					.0746		
Pentachlorobiphenyl (118)							9.01
Column 1	1	8.65	8.63 – 8.67	.072		ug/L	
					.072		
Column 2	1	11.5	11.5 – 11.5	.0658		ug/L	
					.0658		
Pentachlorobiphenyl (114)							7.06
Column 1	1	8.77	8.75 – 8.79	.0721		ug/L	
					.0721		
Column 2	1	11.9	11.8 – 11.9	.0672		ug/L	
					.0672		

168183

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	Data File:	016b1601.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:24	Analyzed:	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							6.31
Column 1	1	8.82	8.79 - 8.83	.0697		ug/L	
					.0697		
Column 2	1	11.9	11.9 - 12	.0654		ug/L	
					.0654		
Hexachlorobiphenyl (153)							12
Column 1	1	9.09	9.07 - 9.11	.0761		ug/L	
					.0761		
Column 2	1	12.1	12 - 12.1	.0675		ug/L	
					.0675		
Pentachlorobiphenyl (105)							5.1
Column 1	1	9.26	9.25 - 9.29	.0708		ug/L	
					.0708		
Column 2	1	12.5	12.5 - 12.5	.0673		ug/L	
					.0673		
Hexachlorobiphenyl (138)							.301
Column 1	1	9.75	9.73 - 9.77	.0743		ug/L	
					.0743		
Column 2	1	13.1	13.1 - 13.2	.0745		ug/L	
					.0745		
Heptachlorobiphenyl (183)							10.4
Column 1	1	10.2	10.2 - 10.2	.0704		ug/L	
					.0704		
Column 2	1	13.6	13.6 - 13.6	.0634		ug/L	
					.0634		

168184

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	Data File:	016b1601.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:24	Analyzed:	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							2.58
Column 1	1	10.2	10.2 - 10.2	.0735		ug/L	
					.0735		
Column 2	1	13.5	13.5 - 13.5	.0755		ug/L	
					.0755		
Hexachlorobiphenyl (128)							3.93
Column 1	1	10.5	10.4 - 10.5	.0676		ug/L	
					.0676		
Column 2	1	14.3	14.2 - 14.3	.065		ug/L	
					.065		
Hexachlorobiphenyl (167)							4.53
Column 1	1	10.6	10.6 - 10.6	.0757		ug/L	
					.0757		
Column 2	1	14	14 - 14	.0723		ug/L	
					.0723		
Hexachlorobiphenyl (156)							5.63
Column 1	1	11.2	11.2 - 11.2	.0775		ug/L	
					.0775		
Column 2	1	14.9	14.9 - 14.9	.0732		ug/L	
					.0732		
Hexachlorobiphenyl (157)							3.72
Column 1	1	11.4	11.3 - 11.4	.0773		ug/L	
					.0773		
Column 2	1	15.2	15.2 - 15.2	.0745		ug/L	
					.0745		

168185

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	**Data File:**	016b1601.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:24	**Analyzed:**	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							3.39
Column 1	1	11.6	11.6 - 11.6	.0625		ug/L	
					.0625		
Column 2	1	15.3	15.3 - 15.3	.0604		ug/L	
					.0604		
Hexachlorobiphenyl (169)							12.1
Column 1	1	12.5	12.5 - 12.5	.062		ug/L	
					.062		
Column 2	1	16.2	16.2 - 16.2	.0699		ug/L	
					.0699		
Heptachlorobiphenyl (170)							3.19
Column 1	1	12.4	12.4 - 12.4	.0664		ug/L	
					.0664		
Column 2	1	16.6	16.6 - 16.6	.0644		ug/L	
					.0644		
Heptachlorobiphenyl (187)							3.24
Column 1	1	10.1	10 - 10.1	.0705		ug/L	
					.0705		
Column 2	1	13.5	13.4 - 13.5	.0683		ug/L	
					.0683		
Octachlorobiphenyl (195)							4.81
Column 1	1	13.5	13.5 - 13.6	.0617		ug/L	
					.0617		
Column 2	1	18.1	18 - 18.1	.0588		ug/L	
					.0588		

168186

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MS

Lab Sample ID: 1201154820

Data File:	016f1601.d	Data File:	016b1601.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:24	Analyzed:	14-AUG-06 16:24

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							1.3
Column 1	1	15.4	15.4 - 15.4	.0705		ug/L	
					.0705		
Column 2	1	20	20 - 20	.0696		ug/L	
					.0696		

168187

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	**Data File:**	017b1701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:50	**Analyzed:**	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							5.88
Column 1	1	13.5	13.4 - 13.5	.0926	.0926	ug/L	
Column 2	1	17.5	17.5 - 17.5	.0873	.0873	ug/L	
Decachlorobiphenyl							4.69
Column 1	1	16.1	16 - 16.1	.0749	.0749	ug/L	
Column 2	1	20.7	20.7 - 20.7	.0715	.0715	ug/L	
2,4'-Dichlorobiphenyl (8)							17.3
Column 1	1	3.91	3.89 - 3.93	.102	.102	ug/L	
Column 2	1	5.36	5.34 - 5.38	.0857	.0857	ug/L	
2,2',5-Trichlorobiphenyl (18)							27.9
Column 1	1	4.49	4.47 - 4.51	.062	.062	ug/L	
Column 2	1	6.1	6.08 - 6.12	.082	.082	ug/L	
2,4,4'-Trichlorobiphenyl (28)							11.6
Column 1	1	5.27	5.25 - 5.29	.0921	.0921	ug/L	
Column 2	1	6.94	6.92 - 6.96	.103	.103	ug/L	

168188

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	**Data File:**	017b1701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:50	**Analyzed:**	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							9.23
Column 1	1	5.82	5.8 – 5.84	.0978	.0978	ug/L	
Column 2	1	7.59	7.57 – 7.61	.107	.107	ug/L	
Tetrachlorobiphenyl (49)							7.05
Column 1	1	5.85	5.83 – 5.87	.0784	.0784	ug/L	
Column 2	1	7.67	7.65 – 7.69	.0841	.0841	ug/L	
Tetrachlorobiphenyl (44)							36.3
Column 1	1	6.18	6.16 – 6.2	.0728	.0728	ug/L	
Column 2	1	8.14	8.12 – 8.16	.105	.105	ug/L	
Tetrachlorobiphenyl (66)							4.17
Column 1	1	6.94	6.92 – 6.96	.084	.084	ug/L	
Column 2	1	9.13	9.11 – 9.15	.0876	.0876	ug/L	
Pentachlorobiphenyl (101)							3.13
Column 1	1	7.28	7.26 – 7.3	.0994	.0994	ug/L	
Column 2	1	9.62	9.6 – 9.64	.0963	.0963	ug/L	

168189

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	Data File:	017b1701.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:50	Analyzed:	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							83.5
Column 1	1	7.8	7.78 – 7.82	.0698		ug/L	
					.0698		
Column 2	1	10.5	10.5 – 10.5	.17		ug/L	
					.17		
Tetrachlorobiphenyl (77)							4.43
Column 1	1	8.23	8.21 – 8.25	.0924		ug/L	
					.0924		
Column 2	1	10.9	10.9 – 10.9	.0966		ug/L	
					.0966		
Pentachlorobiphenyl (123)							3.78
Column 1	1	8.57	8.55 – 8.59	.0863		ug/L	
					.0863		
Column 2	1	11.4	11.4 – 11.4	.0896		ug/L	
					.0896		
Pentachlorobiphenyl (118)							.751
Column 1	1	8.65	8.63 – 8.67	.0794		ug/L	
					.0794		
Column 2	1	11.5	11.5 – 11.5	.0788		ug/L	
					.0788		
Pentachlorobiphenyl (114)							20.4
Column 1	1	8.77	8.75 – 8.79	.0662		ug/L	
					.0662		
Column 2	1	11.9	11.8 – 11.9	.0812		ug/L	
					.0812		

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	**Data File:**	017b1701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:50	**Analyzed:**	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							1.25
Column 1	1	8.82	8.79 – 8.83	.078	.078	ug/L	
Column 2	1	11.9	11.9 – 12	.077	.077	ug/L	
Hexachlorobiphenyl (153)							5.28
Column 1	1	9.09	9.07 – 9.11	.0838	.0838	ug/L	
Column 2	1	12.1	12 – 12.1	.0795	.0795	ug/L	
Pentachlorobiphenyl (105)							.275
Column 1	1	9.26	9.25 – 9.29	.0805	.0805	ug/L	
Column 2	1	12.5	12.5 – 12.5	.0803	.0803	ug/L	
Hexachlorobiphenyl (138)							2.56
Column 1	1	9.75	9.73 – 9.77	.0856	.0856	ug/L	
Column 2	1	13.1	13.1 – 13.2	.0878	.0878	ug/L	
Heptachlorobiphenyl (183)							8.84
Column 1	1	10.2	10.2 – 10.2	.0804	.0804	ug/L	
Column 2	1	13.6	13.6 – 13.6	.0736	.0736	ug/L	

168191

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	**Data File:**	017b1701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:50	**Analyzed:**	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							3.6
Column 1	1	10.2	10.2 - 10.2	.0855	.0855	ug/L	
Column 2	1	13.5	13.5 - 13.5	.0887	.0887	ug/L	
Hexachlorobiphenyl (128)							1.77
Column 1	1	10.5	10.4 - 10.5	.0787	.0787	ug/L	
Column 2	1	14.3	14.2 - 14.3	.0773	.0773	ug/L	
Hexachlorobiphenyl (167)							2.44
Column 1	1	10.6	10.6 - 10.6	.086	.086	ug/L	
Column 2	1	14	14 - 14	.0839	.0839	ug/L	
Hexachlorobiphenyl (156)							5.27
Column 1	1	11.2	11.2 - 11.2	.0903	.0903	ug/L	
Column 2	1	14.9	14.9 - 14.9	.0857	.0857	ug/L	
Hexachlorobiphenyl (157)							5.42
Column 1	1	11.4	11.3 - 11.4	.0932	.0932	ug/L	
Column 2	1	15.2	15.2 - 15.2	.0883	.0883	ug/L	

168192

Identification Summary

SDG Number: 168603 Client ID: 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	Data File:	017b1701.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	14-AUG-06 16:50	Analyzed:	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							3.46
Column 1	1	11.6	11.6 – 11.6	.0725		ug/L	
					.0725		
Column 2	1	15.3	15.3 – 15.3	.07		ug/L	
					.07		
Hexachlorobiphenyl (169)							8.36
Column 1	1	12.5	12.5 – 12.5	.0757		ug/L	
					.0757		
Column 2	1	16.2	16.2 – 16.2	.0823		ug/L	
					.0823		
Heptachlorobiphenyl (170)							2.31
Column 1	1	12.4	12.4 – 12.4	.0779		ug/L	
					.0779		
Column 2	1	16.6	16.6 – 16.6	.0761		ug/L	
					.0761		
Heptachlorobiphenyl (187)							2.61
Column 1	1	10.1	10 – 10.1	.081		ug/L	
					.081		
Column 2	1	13.5	13.4 – 13.5	.0789		ug/L	
					.0789		
Octachlorobiphenyl (195)							3
Column 1	1	13.5	13.5 – 13.6	.0712		ug/L	
					.0712		
Column 2	1	18.1	18 – 18.1	.0691		ug/L	
					.0691		

168193

Identification Summary

SDG Number: 168603 **Client ID:** 20608043401,02,03(168603001)MSD

Lab Sample ID: 1201154821

Data File:	017f1701.d	**Data File:**	017b1701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	14-AUG-06 16:50	**Analyzed:**	14-AUG-06 16:50

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							.277
Column 1	1	15.4	15.4 – 15.4	.0801	.0801	ug/L	
Column 2	1	20	20 – 20	.0799	.0799	ug/L	

168194

QUALITY CONTROL DATA

168195

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**			**Matrix:**	**WATER**
Lab Sample ID:	**1201154813**				
Client Sample:	**QC for batch 556426**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**MB for batch 556426**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 14:13**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	0.010	ug/L	0.00217	0.010
2051-24-3	Decachlorobiphenyl	U	0.010	ug/L	0.010	0.010
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	0.010	ug/L	0.00483	0.010
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	0.010	ug/L	0.0028	0.010
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	0.010	ug/L	0.00365	0.010
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	0.010	ug/L	0.00336	0.010
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	0.010	ug/L	0.00545	0.010
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	0.010	ug/L	0.00436	0.010
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	0.010	ug/L	0.00169	0.010
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	0.010	ug/L	0.00438	0.010
38380-02-8	Pentachlorobiphenyl (87)	U	0.010	ug/L	0.00521	0.010
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	0.010	ug/L	0.00218	0.010
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	0.010	ug/L	0.00189	0.010
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	0.010	ug/L	0.00319	0.010
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	0.010	ug/L	0.00615	0.010
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	0.010	ug/L	0.00209	0.010
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	0.010	ug/L	0.00165	0.010
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	0.010	ug/L	0.00183	0.010
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	0.010	ug/L	0.00411	0.010
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	0.010	ug/L	0.0029	0.010
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	0.010	ug/L	0.00425	0.010

168196

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**			**Matrix:**	**WATER**
Lab Sample ID:	**1201154813**				
Client Sample:	**QC for batch 556426**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**MB for batch 556426**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 14:13**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	0.010	ug/L	0.00255	0.010
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	0.010	ug/L	0.00233	0.010
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (I *Hexachlorobiphenyl (156)*	U	0.010	ug/L	0.00186	0.010
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	0.010	ug/L	0.00801	0.010
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	0.010	ug/L	0.00151	0.010
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	0.010	ug/L	0.00222	0.010
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	0.010	ug/L	0.00205	0.010
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	0.010	ug/L	0.0031	0.010
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	0.010	ug/L	0.00174	0.010
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	0.010	ug/L	0.00204	0.010

168197

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**			**Matrix:**	**WATER**
Lab Sample ID:	**1201154814**				
Client Sample:	**QC for batch 556426**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**LCS for batch 556426**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 14:39**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		0.120	ug/L	0.00217	0.010
2051-24-3	Decachlorobiphenyl		0.0944	ug/L	0.010	0.010
34883-43-7	2,4'-Dichlorobiphenyl (8)		0.126	ug/L	0.00483	0.010
37680-65-2	2,2',5-Trichlorobiphenyl (18)		0.0883	ug/L	0.0028	0.010
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		0.104	ug/L	0.00365	0.010
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		0.125	ug/L	0.00336	0.010
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		0.0958	ug/L	0.00545	0.010
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		0.112	ug/L	0.00436	0.010
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		0.104	ug/L	0.00169	0.010
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		0.124	ug/L	0.00438	0.010
38380-02-8	Pentachlorobiphenyl (87)	P	0.0958	ug/L	0.00521	0.010
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		0.112	ug/L	0.00218	0.010
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		0.107	ug/L	0.00189	0.010
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		0.097	ug/L	0.00319	0.010
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		0.100	ug/L	0.00615	0.010
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		0.104	ug/L	0.00209	0.010
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		0.103	ug/L	0.00165	0.010
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		0.0984	ug/L	0.00183	0.010
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		0.108	ug/L	0.00411	0.010
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		0.100	ug/L	0.0029	0.010
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		0.112	ug/L	0.00425	0.010

168198

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603			Matrix:	WATER
Lab Sample ID:	1201154814				
Client Sample:	QC for batch 556426	Client:	GCAL001	Project:	QC
Client ID:	LCS for batch 556426	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	556427	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/14/2006 14:39	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/09/2006 17:12	Aliquot:	1000 mL	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		0.100	ug/L	0.00255	0.010
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		0.109	ug/L	0.00233	0.010
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*		0.115	ug/L	0.00186	0.010
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*		0.118	ug/L	0.00801	0.010
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		0.097	ug/L	0.00151	0.010
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		0.0978	ug/L	0.00222	0.010
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		0.101	ug/L	0.00205	0.010
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		0.104	ug/L	0.0031	0.010
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		0.096	ug/L	0.00174	0.010
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		0.106	ug/L	0.00204	0.010

168199

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**	**Date Collected:**	**08/03/2006 08:45**	**Matrix:**	**WATER**
Lab Sample ID:	**1201154820**	**Date Received:**	**08/05/2006 09:25**		
Client Sample:	**QC for batch 556426**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**20608043401,02,03(168603001)MS**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 16:24**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**500 mL**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		0.0785	ug/L	0.00217	0.010
2051-24-3	Decachlorobiphenyl		0.066	ug/L	0.010	0.010
34883-43-7	2,4'-Dichlorobiphenyl (8)	P	0.105	ug/L	0.00483	0.010
37680-65-2	2,2',5-Trichlorobiphenyl (18)		0.0717	ug/L	0.0028	0.010
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		0.0881	ug/L	0.00365	0.010
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		0.0913	ug/L	0.00336	0.010
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		0.0705	ug/L	0.00545	0.010
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		0.0662	ug/L	0.00436	0.010
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		0.0811	ug/L	0.00169	0.010
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		0.0905	ug/L	0.00438	0.010
38380-02-8	Pentachlorobiphenyl (87)	P	0.0639	ug/L	0.00521	0.010
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		0.089	ug/L	0.00218	0.010
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		0.0789	ug/L	0.00189	0.010
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		0.072	ug/L	0.00319	0.010
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		0.0721	ug/L	0.00615	0.010
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		0.0697	ug/L	0.00209	0.010
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		0.0761	ug/L	0.00165	0.010
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		0.0708	ug/L	0.00183	0.010
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		0.0743	ug/L	0.00411	0.010
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		0.0704	ug/L	0.0029	0.010
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		0.0735	ug/L	0.00425	0.010

168200

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603	Date Collected:	08/03/2006 08:45	Matrix:	WATER
Lab Sample ID:	1201154820	Date Received:	08/05/2006 09:25		
Client Sample:	QC for batch 556426	Client:	GCAL001	Project:	QC
Client ID:	20608043401,02,03(168603001)MS	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	556427	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/14/2006 16:24	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/09/2006 17:12	Aliquot:	500 mL	Final Volume:	.5 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		0.0676	ug/L	0.00255	0.010
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		0.0757	ug/L	0.00233	0.010
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*		0.0775	ug/L	0.00186	0.010
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*		0.0773	ug/L	0.00801	0.010
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		0.0625	ug/L	0.00151	0.010
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		0.062	ug/L	0.00222	0.010
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		0.0664	ug/L	0.00205	0.010
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		0.0705	ug/L	0.0031	0.010
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		0.0617	ug/L	0.00174	0.010
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		0.0705	ug/L	0.00204	0.010

168201

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**	**Date Collected:**	**08/03/2006 08:45**	**Matrix:**	**WATER**
Lab Sample ID:	**1201154821**	**Date Received:**	**08/05/2006 09:25**		
Client Sample:	**QC for batch 556426**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**20608043401,02,03(168603001)MSD**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 16:50**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**500 mL**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		0.0926	ug/L	0.00217	0.010
2051-24-3	Decachlorobiphenyl		0.0749	ug/L	0.010	0.010
34883-43-7	2,4'-Dichlorobiphenyl (8)		0.102	ug/L	0.00483	0.010
37680-65-2	2,2',5-Trichlorobiphenyl (18)		0.062	ug/L	0.0028	0.010
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		0.0921	ug/L	0.00365	0.010
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		0.0978	ug/L	0.00336	0.010
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		0.0784	ug/L	0.00545	0.010
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		0.0728	ug/L	0.00436	0.010
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		0.084	ug/L	0.00169	0.010
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		0.0994	ug/L	0.00438	0.010
38380-02-8	Pentachlorobiphenyl (87)	P	0.0698	ug/L	0.00521	0.010
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		0.0924	ug/L	0.00218	0.010
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		0.0863	ug/L	0.00189	0.010
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		0.0794	ug/L	0.00319	0.010
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		0.0662	ug/L	0.00615	0.010
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		0.078	ug/L	0.00209	0.010
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		0.0838	ug/L	0.00165	0.010
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		0.0805	ug/L	0.00183	0.010
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		0.0856	ug/L	0.00411	0.010
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		0.0804	ug/L	0.0029	0.010
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		0.0855	ug/L	0.00425	0.010

168202

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603**	**Date Collected:**	**08/03/2006 08:45**	**Matrix:**	**WATER**
Lab Sample ID:	**1201154821**	**Date Received:**	**08/05/2006 09:25**		
Client Sample:	**QC for batch 556426**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**20608043401,02,03(168603001)MSD**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**556427**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/14/2006 16:50**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/09/2006 17:12**	**Aliquot:**	**500 mL**	**Final Volume:**	**.5 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		0.0787	ug/L	0.00255	0.010
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		0.086	ug/L	0.00233	0.010
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*		0.0903	ug/L	0.00186	0.010
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*		0.0932	ug/L	0.00801	0.010
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		0.0725	ug/L	0.00151	0.010
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		0.0757	ug/L	0.00222	0.010
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		0.0779	ug/L	0.00205	0.010
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		0.081	ug/L	0.0031	0.010
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		0.0712	ug/L	0.00174	0.010
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		0.0801	ug/L	0.00204	0.010

168203

GC
SEMIVOLATILE
PCB
ANALYSIS

168204

PCB Case Narrative
Gulf Coast Analytical Labs, LLC (GCAL)
SDG 168603-1

Method/Analysis Information

Procedure:	**Polychlorinated Biphenyls by ECD**
Analytical Method:	SW846 8082
Prep Method:	SW846 3550B
Analytical Batch Number:	558733
Prep Batch Number:	558732

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8082:

Sample ID	Client ID
168604001	20608043405,06,07
168604002	20608043408
1201160336	Method Blank (MB)
1201160337	Laboratory Control Sample (LCS)
1201160338	168604001(20608043405,06,07) Matrix Spike (MS)
1201160339	168604001(20608043405,06,07) Matrix Spike Duplicate (MSD)

Preparation/Analytical Method Verification

Procedures for preparation, analysis, and reporting of analytical data are documented by General Engineering Laboratories, LLC. (GEL) as Standard Operating Procedures (SOP).

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 23.0.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (ICV or CCV) met the acceptance criteria.

Quality Control (QC) Information

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

QC Sample Designation
Sample 168604001 (20608043405,06 and 07) was selected for the matrix spike and matrix spike duplicate analysis.

Matrix Spike (MS) Recovery Statement
The MS recoveries for this SDG were not within the acceptance limits. The recoveries confirm in the matrix spike duplicate and are attributed to matrix interference.

Matrix Spike Duplicate (MSD) Recovery Statement
The MSD recoveries for this SDG were within the acceptance limits.

MS/MSD Relative Percent Difference (RPD) Statement
The RPD(s) between the MS and MSD met the acceptance limits.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP. Additionally, elemental mercury was added to all sample extracts to remove sulfur. All sample extracts were cleaned using alumina.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Electronic Package Comment

The following package was generated using an electronic data processing program referred to as "virtual packaging". In an effort to increase quality and efficiency, the laboratory is developing systems to eventually generate all data packages electronically. The following change from "traditional" packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative of each electronic package will indicate the analyst, reviewer, and report specialist names associated with the generation of the data and package. The data validator will always sign and date the case narrative. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Nonconformance (NCR) Documentation
Nonconformance reports (NCRs) are for documentation of any procedural anomalies that may deviate from referenced SOP or contractual document. NCR ID# 350448 was generated for this SDG. A copy can be found in the Miscellaneous Data section of this package.

Manual Integrations
Certain standards and samples may have required manual integration to correctly position the baseline as set in the calibration standard injections.

Additional Comments
The additional comments field is used to address special issues associated with each analysis, clarify method/contractual issues pertaining to the analysis, and to list any report documents generated as a result of sample analysis or review. The following additional comments were required:

The front column has been chosen as the primary column. The data are reported from the front column for all field samples in this batch.

Aroclors quantitated on the raw data report by the Target data system do not necessarily represent positive Aroclor identification. In order for positive identification to be made, the Aroclor must match in pattern and retention time; as well as quantitate relatively close between the primary and confirmation columns, as specified in SW846 method 8000. When these conditions are not met, the Aroclor is reported as a non-detect on the data report. These situations will be noted on the raw data as DMP, representing does not match pattern, or DNC does not confirm.

Due to software limitation, the Form VIIs will display the results either in the % difference or % drift depending on the type of the calibration curve. If the curve of all analytes is generated using an average response factor (RF), the Form VII will display results using the %difference calculation (RF). If the curve of one or more analytes is generated using a linear curve, the Form VII will display results using the % drift calculation (by concentration) for all analytes.

System Configuration

The Semi-Volatiles-PCB analysis was performed on a HP Gas Chromatograph.

Instrument ID	System Configuration	Column ID	Column Description
ECD8A.I_1	HP6890 Series ECD	Rtx-CLP I	30m x 0.25mm, 0.25um (Rtx-CLPesticide I)
ECD8A.I_2	HP6890 Series ECD	Rtx-CLP II	30m x 0.25mm, 0.20um (Rtx-CLPesticide II)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: _____ **Date:** 8/26/14

168207

Roadmap for GCAL 168603-1 PCB

This roadmap was analyzed by Khoung Yib on 08-25-2006, 09:53.
This roadmap was reviewed by Cameron Bearden on 08-25-2006, 11:25.
This roadmap was packaged by Yvette Lampkin on 08-25-2006, 12:19.

Front Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/082106c.b/0060f0001.d	1686040001	sample	21-AUG-2006	18:18	168603-1.sub	20608043405,06,0	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0090f0901.d	1686040002	sample	21-AUG-2006	19:37	168603-1.sub	20608043408	1.00000	558733	Upload both.Report front.

Back Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/082106c.b/0060b0601.d	1686040001	sample	21-AUG-2006	18:18	168603-1.sub	20608043405,06,0	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0090b0901.d	1686040002	sample	21-AUG-2006	19:37	168603-1.sub	20608043408	1.00000	558733	Upload both.Report front.

Front QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/082106c.b/0040f0401.d	1201160336	mb	21-AUG-2006	17:26	168603-1.sub	PBLK01	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0050f0501.d	1201160337	lcs	21-AUG-2006	17:52	168603-1.sub	PBLK01LCS	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0070f0701.d	1201160338	ms	21-AUG-2006	18:45	168603-1.sub	20608043405,06,0MS	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0080f0801.d	1201160339	msd	21-AUG-2006	19:11	168603-1.sub	20608043405,06,0MSD	1.00000	558733	Upload both.Report front.

Back QC Sample Column

exclude	manual	datafile	smpid	sampletype	injdate	injtime	sublist	clientid	dilution	prepbatchid	comment
☐	N	/chem/ecd8a.i/082106c.b/0040b0401.d	1201160336	mb	21-AUG-2006	17:26	168603-1.sub	PBLK01	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0050b0501.d	1201160337	lcs	21-AUG-2006	17:52	168603-1.sub	PBLK01LCS	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0070b0701.d	1201160338	ms	21-AUG-2006	18:45	168603-1.sub	20608043405,06,0MS	1.00000	558733	Upload both.Report front.
☐	N	/chem/ecd8a.i/082106c.b/0080b0801.d	1201160339	msd	21-AUG-2006	19:11	168603-1.sub	20608043405,06,0MSD	1.00000	558733	Upload both.Report front.

168208

QUALITY CONTROL SUMMARY

168209

Surrogate Recovery Report

SDG Number: 168603-1

Matrix: SOIL

CAP Column (1) : CLP1 **CAP Column (2) : DB-17MS**

Sample ID	Client ID	4CMX 1 %REC #	4CMX 2 %REC #
1201160336	MB for batch 558732	83	81
1201160337	LCS for batch 558732	84	82
168604001	20608043405,06,07	81	81
1201160338	20608043405,06,07(168604001)MS	81	80
1201160339	20608043405,06,07(168604001)MSD	74	74
168604002	20608043408	69	68

Surrogate	Acceptance Limits
4CMX = 4cmx	(54%-125%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

168210

Quality Control Summary
Spike Recovery Report

SDG Number:	168603-1	Sample Type:	Matrix Spike		
Client ID:	20608043405,06,07(168604001)MS	Matrix:	SOIL		
Lab Sample ID:	1201160338	%Moisture:	39.7		
Instrument:	ECD8A.I	Analysis Date:	08/21/2006 18:45	Dilution:	1
Analyst:	KXY1	Prep Batch ID:	558732		
Inj. Vol:	1 uL	Batch ID:	558733		

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg		Spike Conc. ug/kg	Recovery %	Acceptance Limits
39635-31-9	MS	2,3,3',4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (189)*	11.1	0.00	U	13.3	120	50-150
2051-24-3	MS	Decachlorobiphenyl	11.1	0.00	U	10.1	91	37-115
34883-43-7	MS	2,4'-Dichlorobiphenyl (8)	11.1	0.00	U	13.1	119	55-123
37680-65-2	MS	2,2',5-Trichlorobiphenyl (18)	11.1	0.00	U	10.6	96	42-127
7012-37-5	MS	2,4,4'-Trichlorobiphenyl (28)	11.1	0.00	U	12.7	115	64-124
35693-99-3	MS	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	11.1	0.00	U	14.1	128	58-134
41464-40-8	MS	2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	11.1	0.00	U	11.1	101	59-107
41464-39-5	MS	2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	11.1	0.00	U	13.1	118	70-128
32598-10-0	MS	2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	11.1	0.00	U	11.5	104	56-123
37680-73-2	MS	2,2',4,5,5'-Pentachlorobiphen *Pentachlorobiphenyl (101)*	11.1	0.00	U	13.9	126 *	71-125
38380-02-8	MS	Pentachlorobiphenyl (87)	11.1	0.00	U	11.0	100	43-137
32598-13-3	MS	3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	11.1	0.00	U	12.5	113	47-142
65510-44-3	MS	2',3,4,4',5-Pentachlorobiphen *Pentachlorobiphenyl (123)*	11.1	0.00	U	12.5	113	50-150
31508-00-6	MS	2,3',4,4',5-Pentachlorobiphen *Pentachlorobiphenyl (118)*	11.1	0.00	U	11.3	102	47-118
74472-37-0	MS	2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	11.1	0.00	U	11.8	107	50-150
74472-48-3	MS	2,2',3,4,4',6,6'-Heptachlorobip *Heptachlorobiphenyl (184)*	11.1	0.00	U	12.6	114	54-122
35065-27-1	MS	2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	11.1	0.00	U	12.1	109	52-125
32598-14-4	MS	2,3,3',4,4'-Pentachlorobiphen *Pentachlorobiphenyl (105)*	11.1	0.00	U	11.2	101	51-115
35065-28-2	MS	2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	11.1	0.00	U	12.2	111	55-131
52663-69-1	MS	2,2',3,4,4',5',6-Heptachlorobip *Heptachlorobiphenyl (183)*	11.1	0.00	U	11.5	104	52-126
57465-28-8	MS	3,3',4,4',5-Pentachlorobiphen *Pentachlorobiphenyl (126)*	11.1	0.00	U	11.3	102	47-122
38380-07-3	MS	2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	11.1	0.00	U	10.8	98	48-115

168211

Quality Control Summary
Spike Recovery Report

SDG Number:	168603-1	Sample Type:	Matrix Spike		
Client ID:	20608043405,06,07(168604001)MS	Matrix:	SOIL		
Lab Sample ID:	1201160338	%Moisture:	39.7		
Instrument:	ECD8A.I	Analysis Date:	08/21/2006 18:45	Dilution:	
Analyst:	KXY1	Prep Batch ID:			
Inj. Vol:	1 uL	Batch ID:	558733		

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg		Spike Conc. ug/kg	Recovery %	Acceptance Limits
52663-72-6	MS	2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	11.1	0.00	U	12.0	108	50-150
38380-08-4	MS	2,3,3',4,4',5-Hexachlorobiphei *Hexachlorobiphenyl (156)*	11.1	0.00	U	12.7	114	58-132
69782-90-7	MS	2,3,3',4,4',5'-Hexachlorobiphc *Hexachlorobiphenyl (157)*	11.1	0.00	U	12.6	114	50-150
35065-29-3	MS	2,2',3,4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (180)*	11.1	0.00	U	10.4	94	43-116
32774-16-6	MS	3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	11.1	0.00	U	10.1	91	33-138
35065-30-6	MS	2,2',3,3',4,4',5-Heptachlorobi *Heptachlorobiphenyl (170)*	11.1	0.00	U	11.2	101	49-120
52663-68-0	MS	2,2',3,4',5,5',6-Heptachlorobi *Heptachlorobiphenyl (187)*	11.1	0.00	U	11.8	106	56-122
52663-78-2	MS	2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	11.1	0.00	U	10.4	94	43-113
40186-72-9	MS	2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	11.1	0.00	U	11.5	104	46-129

168212

Quality Control Summary
Spike Recovery Report

SDG Number:	168603-1	Sample Type:	Matrix Spike Duplicate		
Client ID:	20608043405,06,07(168604001)MSD	Matrix:	SOIL		
Lab Sample ID:	1201160339	%Moisture:	39.7		
Instrument:	ECD8A.I	Analysis Date:	08/21/2006 19:11	Dilution:	1
Analyst:	KXY1	Prep Batch ID:	558732		
Inj. Vol:	1 uL	Batch ID:	558733		

CAS No	Parmname	Amount Added ug/kg	Sample Conc. ug/kg		Spike Conc. ug/kg	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
39635-31-9	MSD 2,3,3',4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (189)*	11.1	0.00	U	13.3	120	50-150	0	0-30
2051-24-3	MSD Decachlorobiphenyl	11.1	0.00	U	10.3	93	37-115	2	0-12
34883-43-7	MSD 2,4'-Dichlorobiphenyl (8)	11.1	0.00	U	12.2	110	55-123	7	0-22
37680-65-2	MSD 2,2',5-Trichlorobiphenyl (18)	11.1	0.00	U	10.2	92	42-127	4	0-14
7012-37-5	MSD 2,4,4'-Trichlorobiphenyl (28)	11.1	0.00	U	12.3	111	64-124	3	0-15
35693-99-3	MSD 2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	11.1	0.00	U	13.8	125	58-134	2	0-15
41464-40-8	MSD 2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	11.1	0.00	U	10.7	96	59-107	4	0-15
41464-39-5	MSD 2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	11.1	0.00	U	12.6	114	70-128	3	0-16
32598-10-0	MSD 2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	11.1	0.00	U	11.3	102	56-123	2	0-23
37680-73-2	MSD 2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	11.1	0.00	U	13.9	125	71-125	0	0-17
38380-02-8	MSD Pentachlorobiphenyl (87)	11.1	0.00	U	11.0	100	43-137	0	0-18
32598-13-3	MSD 3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	11.1	0.00	U	12.6	114	47-142	0	0-22
65510-44-3	MSD 2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	11.1	0.00	U	12.5	113	50-150	0	0-30
31508-00-6	MSD 2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	11.1	0.00	U	11.5	104	47-118	1	0-17
74472-37-0	MSD 2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	11.1	0.00	U	11.8	107	50-150	1	0-30
74472-48-3	MSD 2,2',3,4,4',6,6'-Heptachlorobi *Heptachlorobiphenyl (184)*	11.1	0.00	U	12.6	114	54-122	0	0-15
35065-27-1	MSD 2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	11.1	0.00	U	12.3	112	52-125	2	0-16
32598-14-4	MSD 2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	11.1	0.00	U	11.2	101	51-115	0	0-16
35065-28-2	MSD 2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	11.1	0.00	U	12.5	113	55-131	2	0-17
52663-69-1	MSD 2,2',3,4,4',5',6-Heptachlorobi *Heptachlorobiphenyl (183)*	11.1	0.00	U	11.4	103	52-126	1	0-19
57465-28-8	MSD 3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	11.1	0.00	U	11.5	104	47-122	2	0-16
38380-07-3	MSD 2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	11.1	0.00	U	11.0	100	48-115	2	0-17

168213

Quality Control Summary
Spike Recovery Report

SDG Number:	168603-1	**Sample Type:**	Matrix Spike Duplicate
Client ID:	20608043405,06,07(168604001)MSD	**Matrix:**	SOIL
Lab Sample ID:	1201160339	**%Moisture:**	39.7
Instrument:	ECD8A.I	**Analysis Date:**	08/21/2006 19:11 **Dilution:**
Analyst:	KXY1	**Prep Batch ID:**	
Inj. Vol:	1 uL	**Batch ID:**	558733

CAS No	Parmname	Amount Added ug/kg	Sample Conc. ug/kg		Spike Conc. ug/kg	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
52663-72-6	MSD 2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	11.1	0.00	U	12.2	111	50-150	2	0-30
38380-08-4	MSD 2,3,3',4,4',5-Hexachlorobiphei *Hexachlorobiphenyl (156)*	11.1	0.00	U	12.8	116	58-132	1	0-17
69782-90-7	MSD 2,3,3',4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (157)*	11.1	0.00	U	12.9	117	50-150	2	0-30
35065-29-3	MSD 2,2',3,4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (180)*	11.1	0.00	U	10.6	96	43-116	2	0-18
32774-16-6	MSD 3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	11.1	0.00	U	10.2	92	33-138	1	0-16
35065-30-6	MSD 2,2',3,3',4,4',5-Heptachlorobip *Heptachlorobiphenyl (170)*	11.1	0.00	U	11.2	102	49-120	1	0-16
52663-68-0	MSD 2,2',3,4',5,5',6-Heptachlorobip *Heptachlorobiphenyl (187)*	11.1	0.00	U	11.9	107	56-122	1	0-18
52663-78-2	MSD 2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	11.1	0.00	U	10.6	96	43-113	1	0-17
40186-72-9	MSD 2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	11.1	0.00	U	11.6	105	46-129	1	0-19

168214

Quality Control Summary
Spike Recovery Report

SDG Number:	168603-1	**Sample Type:**	Laboratory Control Sample		
Client ID:	LCS for batch 558732	**Matrix:**	SOIL		
Lab Sample ID:	1201160337				
Instrument:	ECD8A.I	**Analysis Date:**	08/21/2006 17:52	**Dilution:**	1
Analyst:	KXY1	**Prep Batch ID:**	558732		
Inj. Vol:	1 uL	**Batch ID:**	558733		

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
39635-31-9	LCS	2,3,3',4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (189)*	3.33	0.0	4.13	124	70-130
2051-24-3	LCS	Decachlorobiphenyl	3.33	0.0	3.29	99	57-116
34883-43-7	LCS	2,4'-Dichlorobiphenyl (8)	3.33	0.0	4.04	121	51-138
37680-65-2	LCS	2,2',5-Trichlorobiphenyl (18)	3.33	0.0	3.14	94	68-103
7012-37-5	LCS	2,4,4'-Trichlorobiphenyl (28)	3.33	0.0	3.72	111	68-122
35693-99-3	LCS	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	3.33	0.0	4.14	124	62-132
41464-40-8	LCS	2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	3.33	0.0	3.19	96	70-109
41464-39-5	LCS	2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	3.33	0.0	3.81	114	67-125
32598-10-0	LCS	2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	3.33	0.0	3.36	101	62-110
37680-73-2	LCS	2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	3.33	0.0	4.03	121	59-144
38380-02-8	LCS	Pentachlorobiphenyl (87)	3.33	0.0	3.18	95	62-105
32598-13-3	LCS	3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	3.33	0.0	3.67	110	69-122
65510-44-3	LCS	2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	3.33	0.0	3.54	106	70-130
31508-00-6	LCS	2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	3.33	0.0	3.28	98	63-104
74472-37-0	LCS	2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	3.33	0.0	3.44	103	70-130
74472-48-3	LCS	2,2',3,4,4',6,6'-Heptachlorobip *Heptachlorobiphenyl (184)*	3.33	0.0	3.66	110	67-112
35065-27-1	LCS	2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	3.33	0.0	3.52	106	66-112
32598-14-4	LCS	2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	3.33	0.0	3.28	98	65-105
35065-28-2	LCS	2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	3.33	0.0	3.68	110	64-116
52663-69-1	LCS	2,2',3,4,4',5',6-Heptachlorobip *Heptachlorobiphenyl (183)*	3.33	0.0	3.49	105	68-117
57465-28-8	LCS	3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	3.33	0.0	3.52	106	63-117
38380-07-3	LCS	2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	3.33	0.0	3.38	101	69-105

168215

Quality Control Summary
Spike Recovery Report

SDG Number:	168603-1	**Sample Type:**	Laboratory Control Sample
Client ID:	LCS for batch 558732	**Matrix:**	SOIL
Lab Sample ID:	1201160337		
Instrument:	ECD8A.I	**Analysis Date:**	08/21/2006 17:52 **Dilution:**
Analyst:	KXY1	**Prep Batch ID:**	
Inj. Vol:	1 uL	**Batch ID:**	558733

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
52663-72-6	LCS	2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	3.33	0.0	3.72	111	70-130
38380-08-4	LCS	2,3,3',4,4',5-Hexachlorobipher *Hexachlorobiphenyl (156)*	3.33	0.0	3.93	118	65-125
69782-90-7	LCS	2,3,3',4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (157)*	3.33	0.0	4.01	120	70-130
35065-29-3	LCS	2,2',3,4,4',5,5'-Heptachlorobip *Heptachlorobiphenyl (180)*	3.33	0.0	3.34	100	72-105
32774-16-6	LCS	3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	3.33	0.0	3.26	98	66-128
35065-30-6	LCS	2,2',3,3',4,4',5-Heptachlorobip *Heptachlorobiphenyl (170)*	3.33	0.0	3.45	103	67-111
52663-68-0	LCS	2,2',3,4',5,5',6-Heptachlorobip *Heptachlorobiphenyl (187)*	3.33	0.0	3.59	108	67-115
52663-78-2	LCS	2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	3.33	0.0	3.33	100	69-113
40186-72-9	LCS	2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	3.33	0.0	3.64	109	64-133

168216

Method Blank Summary

SDG Number:	168603-1	Client:	GCAL001	Matrix:	SOIL
Client ID:	MB for batch 558732	Instrument ID:	ECD8A.I_1 ECD8A.I_2	Data File:	004f0401.d 004b0401.d
Lab Sample ID:	1201160336	Prep Date:	08/16/2006 10:00	Analyzed:	08/21/06 17:26

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 558732	1201160337	005b0501.d 005f0501.d	08/21/06	1752
02	20608043405,06,07	168604001	006b0601.d 006f0601.d	08/21/06	1818
03	20608043405,06,07(168604001)MS	1201160338	007b0701.d 007f0701.d	08/21/06	1845
04	20608043405,06,07(168604001)MSD	1201160339	008b0801.d 008f0801.d	08/21/06	1911
05	20608043408	168604002	009b0901.d 009f0901.d	08/21/06	1937

168217

SAMPLE DATA

168218

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603-1	Date Collected:	08/03/2006 13:50	Matrix:	SOIL
Lab Sample ID:	168604001	Date Received:	08/05/2006 09:25	%Moisture:	39.7
Client Sample:	FWPSE01-001-(0-0.5)	Client:	GCAL001	Project:	GCAL00106
Client ID:	20608043405,06,07	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 18:18	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	15 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	1.11	ug/kg	0.641	1.11
2051-24-3	Decachlorobiphenyl	U	1.11	ug/kg	1.11	1.11
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	1.11	ug/kg	0.774	1.11
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	1.11	ug/kg	0.921	1.11
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	1.11	ug/kg	0.685	1.11
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	1.11	ug/kg	0.621	1.11
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	1.11	ug/kg	0.454	1.11
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	1.11	ug/kg	0.394	1.11
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	1.11	ug/kg	0.489	1.11
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	1.11	ug/kg	0.579	1.11
38380-02-8	Pentachlorobiphenyl (87)	U	1.11	ug/kg	0.732	1.11
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	1.11	ug/kg	0.990	1.11
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	1.11	ug/kg	0.433	1.11
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	1.11	ug/kg	0.880	1.11
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	1.11	ug/kg	0.632	1.11
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	1.11	ug/kg	0.370	1.11
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	1.11	ug/kg	0.388	1.11
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	1.11	ug/kg	0.533	1.11
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	1.11	ug/kg	0.807	1.11
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	1.11	ug/kg	0.410	1.11
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	1.11	ug/kg	0.613	1.11

168219

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603-1**	**Date Collected:**	**08/03/2006 13:50**	**Matrix:**	**SOIL**
Lab Sample ID:	**168604001**	**Date Received:**	**08/05/2006 09:25**	**%Moisture:**	**39.7**
Client Sample:	**FWPSE01-001-(0-0.5)**	**Client:**	**GCAL001**	**Project:**	**GCAL00106**
Client ID:	**20608043405,06,07**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**558733**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/21/2006 18:18**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/16/2006 10:00**	**Aliquot:**	**15 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	1.11	ug/kg	0.533	1.11
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	1.11	ug/kg	0.386	1.11
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	1.11	ug/kg	0.411	1.11
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	1.11	ug/kg	0.715	1.11
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	1.11	ug/kg	0.359	1.11
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	1.11	ug/kg	0.726	1.11
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	1.11	ug/kg	0.336	1.11
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	1.11	ug/kg	0.318	1.11
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	1.11	ug/kg	0.348	1.11
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	1.11	ug/kg	0.352	1.11

168220

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603-1	Date Collected:	08/03/2006 14:05	Matrix:	SOIL
Lab Sample ID:	168604002	Date Received:	08/05/2006 09:25	%Moisture:	39.4
Client Sample:	SE-501-(0-0.5)	Client:	GCAL001	Project:	GCAL00106
Client ID:	20608043408	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 19:37	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	15 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	1.10	ug/kg	0.638	1.10
2051-24-3	Decachlorobiphenyl	U	1.10	ug/kg	1.10	1.10
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	1.10	ug/kg	0.770	1.10
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	1.10	ug/kg	0.916	1.10
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	1.10	ug/kg	0.682	1.10
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	1.10	ug/kg	0.618	1.10
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	1.10	ug/kg	0.452	1.10
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	1.10	ug/kg	0.392	1.10
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	1.10	ug/kg	0.486	1.10
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	1.10	ug/kg	0.577	1.10
38380-02-8	Pentachlorobiphenyl (87)	U	1.10	ug/kg	0.728	1.10
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	1.10	ug/kg	0.986	1.10
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	1.10	ug/kg	0.431	1.10
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	1.10	ug/kg	0.876	1.10
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	1.10	ug/kg	0.629	1.10
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	1.10	ug/kg	0.369	1.10
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	1.10	ug/kg	0.386	1.10
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	1.10	ug/kg	0.530	1.10
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	1.10	ug/kg	0.803	1.10
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	1.10	ug/kg	0.408	1.10
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	1.10	ug/kg	0.611	1.10

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603-1	Date Collected:	08/03/2006 14:05	Matrix:	SOIL
Lab Sample ID:	168604002	Date Received:	08/05/2006 09:25	%Moisture:	39.4
Client Sample:	SE-501-(0-0.5)	Client:	GCAL001	Project:	GCAL00106
Client ID:	20608043408	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 19:37	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	15 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	1.10	ug/kg	0.530	1.10
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	1.10	ug/kg	0.384	1.10
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	1.10	ug/kg	0.409	1.10
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	1.10	ug/kg	0.712	1.10
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	1.10	ug/kg	0.358	1.10
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	1.10	ug/kg	0.723	1.10
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	1.10	ug/kg	0.334	1.10
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	1.10	ug/kg	0.317	1.10
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	1.10	ug/kg	0.347	1.10
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	1.10	ug/kg	0.350	1.10

168222

STANDARDS DATA

168223

Report Date: 25-Aug-2006 09:34

Calibration History

Method : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m
Start Cal Date: 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
06-JUL-2006 11:52	AR1660	/chem/ecd8a.i/070606c.b/009f0901.d
14-AUG-2006 11:11	CONG1	/chem/ecd8a.i/081406c.b/004f0401.d
Cal Level: 2 , Cal Amount: 50.00000		
06-JUL-2006 12:18	AR1660	/chem/ecd8a.i/070606c.b/010f1001.d
14-AUG-2006 11:37	CONG1	/chem/ecd8a.i/081406c.b/005f0501.d
Cal Level: 3 , Cal Amount: 100.00000		
06-JUL-2006 12:44	AR1660	/chem/ecd8a.i/070606c.b/011f1101.d
14-AUG-2006 12:03	CONG1	/chem/ecd8a.i/081406c.b/006f0601.d
Cal Level: 4 , Cal Amount: 250.00000		
28-JUN-2006 22:37	AR1221	/chem/ecd8a.i/062806c.b/018f1801.d
28-JUN-2006 22:11	AR1232	/chem/ecd8a.i/062806c.b/017f1701.d
28-JUN-2006 21:45	AR1248	/chem/ecd8a.i/062806c.b/016f1601.d
06-JUL-2006 10:08	AR1242	/chem/ecd8a.i/070606c.b/005f0501.d
06-JUL-2006 09:42	AR1254	/chem/ecd8a.i/070606c.b/004f0401.d
06-JUL-2006 13:10	AR1660	/chem/ecd8a.i/070606c.b/012f1201.d
14-AUG-2006 12:29	CONG1	/chem/ecd8a.i/081406c.b/007f0701.d
Cal Level: 5 , Cal Amount: 500.00000		
06-JUL-2006 13:36	AR1660	/chem/ecd8a.i/070606c.b/013f1301.d
14-AUG-2006 12:55	CONG1	/chem/ecd8a.i/081406c.b/008f0801.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 3 , Ccal Amount: 100		
21-AUG-2006 20:03	CONG1	/chem/ecd8a.i/082106c.b/010f1001.d
Ccal Level: 3 , Ccal Amount: 100		
21-AUG-2006 16:34	CONG1	/chem/ecd8a.i/082106c.b/002f0201.d

168224

Report Date: 25-Aug-2006 09:34

Calibration History

Method : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m
Start Cal Date: 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
06-JUL-2006 11:52	AR1660	/chem/ecd8a.i/070606c.b/009b0901.d
14-AUG-2006 11:11	CONG1	/chem/ecd8a.i/081406c.b/004b0401.d
Cal Level: 2 , Cal Amount: 50.00000		
06-JUL-2006 12:18	AR1660	/chem/ecd8a.i/070606c.b/010b1001.d
14-AUG-2006 11:37	CONG1	/chem/ecd8a.i/081406c.b/005b0501.d
Cal Level: 3 , Cal Amount: 100.00000		
06-JUL-2006 12:44	AR1660	/chem/ecd8a.i/070606c.b/011b1101.d
14-AUG-2006 12:03	CONG1	/chem/ecd8a.i/081406c.b/006b0601.d
Cal Level: 4 , Cal Amount: 250.00000		
28-JUN-2006 22:37	AR1221	/chem/ecd8a.i/062806c.b/018b1801.d
28-JUN-2006 22:11	AR1232	/chem/ecd8a.i/062806c.b/017b1701.d
28-JUN-2006 21:45	AR1248	/chem/ecd8a.i/062806c.b/016b1601.d
06-JUL-2006 10:08	AR1242	/chem/ecd8a.i/070606c.b/005b0501.d
06-JUL-2006 09:42	AR1254	/chem/ecd8a.i/070606c.b/004b0401.d
06-JUL-2006 13:10	AR1660	/chem/ecd8a.i/070606c.b/012b1201.d
14-AUG-2006 12:29	CONG1	/chem/ecd8a.i/081406c.b/007b0701.d
Cal Level: 5 , Cal Amount: 500.00000		
06-JUL-2006 13:36	AR1660	/chem/ecd8a.i/070606c.b/013b1301.d
14-AUG-2006 12:55	CONG1	/chem/ecd8a.i/081406c.b/008b0801.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 3 , Ccal Amount: 100		
21-AUG-2006 20:03	CONG1	/chem/ecd8a.i/082106c.b/010b1001.d
Ccal Level: 3 , Ccal Amount: 100		
21-AUG-2006 16:34	CONG1	/chem/ecd8a.i/082106c.b/002b0201.d

168225

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m
Quant Method : ESTD Target Version : 3.50
Last Update : 24-Aug-2006 17:06 Number of Cpnds : 42
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	50.000000
Initial:End Threshold	100.000000
Initial:Area Threshold	5000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	8.000000
Initial:Negative Peaks	OFF
Initial:Tension	1.100000

	Compound	RT	RT Window	RF
	2 Aroclor-1221	3.619	3.599-3.639	2.620e+03
		3.853	3.833-3.873	1.328e+03
		3.918	3.898-3.938	6.227e+03
$	10 4cmx	3.299	3.279-3.319	2.771e+05
	3 Aroclor-1232	3.919	3.899-3.939	5.168e+03
		4.508	4.488-4.528	4.116e+03
		5.494	5.474-5.514	3.261e+03
		5.598	5.578-5.618	1.978e+03
		6.898	6.878-6.918	2.202e+03
	66 2,4'-Dichlorobiphenyl (8)	3.913	3.893-3.933	5.781e+04
	67 2,2',5-Trichlorobiphenyl (	4.494	4.474-4.514	7.092e+04
	4 Aroclor-1242	4.508	4.488-4.528	8.295e+03
		5.494	5.474-5.514	6.265e+03
		5.598	5.578-5.618	3.710e+03
		6.750	6.730-6.770	2.584e+03
		6.899	6.879-6.919	4.649e+03
	1 Aroclor-1016	5.494	5.474-5.514	8.471e+03
		5.596	5.576-5.616	4.906e+03
		5.825	5.805-5.845	4.983e+03
		5.859	5.839-5.879	5.041e+03
		6.186	6.166-6.206	6.514e+03
	68 2,4,4'-Trichlorobiphenyl (	5.273	5.253-5.293	1.428e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m

Compound	RT	RT Window	RF
5 Aroclor-1248	5.824	5.804-5.844	5.501e+03
	6.185	6.165-6.205	6.916e+03
	6.749	6.729-6.769	3.991e+03
	6.897	6.877-6.917	7.852e+03
	7.278	7.258-7.298	6.438e+03
69 Tetrachlorobiphenyl (52)	5.819	5.799-5.839	9.054e+04
70 Tetrachlorobiphenyl (49)	5.854	5.834-5.874	1.392e+05
71 Tetrachlorobiphenyl (44)	6.180	6.160-6.199	1.357e+05
6 Aroclor-1254	6.828	6.808-6.848	8.739e+03
	7.285	7.265-7.305	1.156e+04
	8.050	8.030-8.070	1.468e+04
	8.652	8.632-8.672	1.080e+04
	9.086	9.066-9.106	1.082e+04
72 Tetrachlorobiphenyl (66)	6.936	6.916-6.956	1.574e+05
73 Pentachlorobiphenyl (101)	7.282	7.262-7.302	1.478e+05
74 Pentachlorobiphenyl (87)	7.800	7.779-7.819	2.020e+05
92 Tetrachlorobiphenyl (81)	7.931	7.911-7.951	1.245e+05
75 Tetrachlorobiphenyl (77)	8.231	8.211-8.251	9.713e+04
7 Aroclor-1260	8.450	8.430-8.470	1.336e+04
	10.068	10.048-10.088	1.014e+04
	10.703	10.683-10.723	1.068e+04
	11.596	11.576-11.616	2.289e+04
	12.405	12.385-12.425	1.258e+04
62 Pentachlorobiphenyl (123)	8.571	8.551-8.591	1.688e+05
76 Pentachlorobiphenyl (118)	8.649	8.629-8.669	1.758e+05
61 Pentachlorobiphenyl (114)	8.765	8.745-8.785	2.360e+05
78 Hexachlorobiphenyl (153)	9.089	9.069-9.110	1.815e+05
77 Heptachlorobiphenyl (184)	8.813	8.793-8.833	1.731e+05
79 Pentachlorobiphenyl (105)	9.264	9.245-9.284	2.302e+05
80 Hexachlorobiphenyl (138)	9.752	9.732-9.772	2.255e+05
83 Pentachlorobiphenyl (126)	10.210	10.190-10.230	1.202e+05
81 Heptachlorobiphenyl (187)	10.067	10.047-10.087	2.034e+05
82 Heptachlorobiphenyl (183)	10.186	10.166-10.206	2.519e+05
65 Hexachlorobiphenyl (167)	10.625	10.605-10.645	2.124e+05
84 Hexachlorobiphenyl (128)	10.466	10.446-10.486	2.661e+05
86 Hexachlorobiphenyl (156)	11.175	11.155-11.195	2.810e+05
63 Hexachlorobiphenyl (157)	11.357	11.337-11.377	2.587e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m

Compound	RT	RT Window	RF
8 Aroclor-1262	9.785	9.765-9.805	
	10.773	10.753-10.793	
	11.191	11.171-11.211	
	12.386	12.366-12.406	
	12.496	12.476-12.516	
87 Heptachlorobiphenyl (180)	11.594	11.574-11.614	2.828e+05
89 Hexachlorobiphenyl (169)	12.483	12.463-12.503	2.006e+05
88 Heptachlorobiphenyl (170)	12.403	12.383-12.423	2.981e+05
64 Heptachlorobiphenyl (189)	13.456	13.436-13.476	2.695e+05
90 Octachlorobiphenyl (195)	13.535	13.515-13.555	3.372e+05
91 Nonachlorobiphenyl (206)	15.404	15.384-15.424	2.888e+05
9 Aroclor-1268	12.493	12.473-12.513	
	12.578	12.558-12.598	
	13.034	13.014-13.054	
	13.961	13.941-13.981	
	14.751	14.731-14.771	
11 Decachlorobiphenyl	16.055	16.035-16.075	2.684e+05

168228

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m
Quant Method : ESTD Target Version : 3.50
Last Update : 24-Aug-2006 17:28 Number of Cpnds : 42
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	100.000000
Initial:End Threshold	200.000000
Initial:Area Threshold	10000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	4.000000
Initial:Negative Peaks	OFF
Initial:Tension	1.000000

	Compound	RT	RT Window	RF
	2 Aroclor-1221	5.004	4.984-5.024	1.557e+03
		5.259	5.239-5.279	1.098e+03
		5.368	5.348-5.388	4.164e+03
S	10 4cmx	4.427	4.407-4.447	1.879e+05
	3 Aroclor-1232	6.543	6.523-6.563	1.018e+03
		7.182	7.162-7.202	2.181e+03
		7.374	7.354-7.394	1.317e+03
		7.601	7.581-7.621	1.092e+03
		8.150	8.130-8.170	1.607e+03
	1 Aroclor-1016	7.182	7.162-7.202	6.989e+03
		7.375	7.355-7.395	4.200e+03
		7.601	7.581-7.621	4.282e+03
		7.681	7.661-7.701	4.459e+03
		8.151	8.131-8.171	5.587e+03
	66 2,4'-Dichlorobiphenyl (8)	5.358	5.338-5.378	3.293e+04
	4 Aroclor-1242	6.922	6.902-6.942	5.697e+03
		7.183	7.163-7.203	5.344e+03
		7.374	7.354-7.394	3.326e+03
		7.601	7.581-7.621	3.082e+03
		8.151	8.131-8.171	4.424e+03
	67 2,2',5-Trichlorobiphenyl (	6.103	6.083-6.123	4.094e+04

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m

	Compound	RT	RT Window	RF
5	Aroclor-1248	7.600	7.580-7.620	4.126e+03
		8.149	8.129-8.169	5.244e+03
		8.415	8.395-8.435	5.373e+03
		9.039	9.019-9.059	6.020e+03
		9.138	9.118-9.158	6.683e+03
68	2,4,4'-Trichlorobiphenyl (	6.938	6.918-6.958	9.170e+04
69	Tetrachlorobiphenyl (52)	7.590	7.569-7.609	6.241e+04
70	Tetrachlorobiphenyl (49)	7.670	7.650-7.690	7.726e+04
71	Tetrachlorobiphenyl (44)	8.139	8.119-8.159	8.397e+04
72	Tetrachlorobiphenyl (66)	9.130	9.110-9.150	1.004e+05
73	Pentachlorobiphenyl (101)	9.615	9.595-9.635	8.695e+04
6	Aroclor-1254	9.628	9.608-9.648	9.732e+03
		10.512	10.492-10.532	7.064e+03
		10.832	10.812-10.852	1.323e+04
		11.512	11.492-11.532	9.493e+03
		12.067	12.047-12.087	6.155e+03
92	Tetrachlorobiphenyl (81)	10.502	10.482-10.522	1.030e+05
74	Pentachlorobiphenyl (87)	10.502	10.482-10.522	1.030e+05
75	Tetrachlorobiphenyl (77)	10.901	10.881-10.921	5.943e+04
62	Pentachlorobiphenyl (123)	11.419	11.399-11.440	1.047e+05
76	Pentachlorobiphenyl (118)	11.499	11.479-11.519	1.082e+05
7	Aroclor-1260	11.403	11.383-11.423	1.050e+04
		12.067	12.047-12.087	1.256e+04
		13.467	13.447-13.487	8.113e+03
		14.416	14.396-14.436	8.666e+03
		15.336	15.316-15.356	1.818e+04
78	Hexachlorobiphenyl (153)	12.052	12.032-12.072	1.044e+05
77	Heptachlorobiphenyl (184)	11.946	11.926-11.966	1.124e+05
61	Pentachlorobiphenyl (114)	11.859	11.839-11.879	1.582e+05
8	Aroclor-1262	11.232	11.212-11.252	
		11.662	11.642-11.682	
		12.657	12.637-12.677	
		13.377	13.357-13.397	
		15.115	15.095-15.135	
79	Pentachlorobiphenyl (105)	12.515	12.495-12.535	1.447e+05
80	Hexachlorobiphenyl (138)	13.131	13.111-13.151	1.330e+05
81	Heptachlorobiphenyl (187)	13.453	13.433-13.473	1.157e+05
82	Heptachlorobiphenyl (183)	13.625	13.605-13.645	1.422e+05
83	Pentachlorobiphenyl (126)	13.511	13.491-13.531	8.670e+04
65	Hexachlorobiphenyl (167)	13.982	13.962-14.002	1.201e+05

168230

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m

Compound	RT	RT Window	RF
84 Hexachlorobiphenyl (128)	14.256	14.236-14.276	1.597e+05
86 Hexachlorobiphenyl (156)	14.898	14.878-14.918	1.709e+05
87 Heptachlorobiphenyl (180)	15.319	15.299-15.339	1.581e+05
63 Hexachlorobiphenyl (157)	15.172	15.152-15.192	1.494e+05
89 Hexachlorobiphenyl (169)	16.215	16.195-16.235	1.079e+05
88 Heptachlorobiphenyl (170)	16.574	16.554-16.594	1.758e+05
64 Heptachlorobiphenyl (189)	17.519	17.499-17.539	1.673e+05
9 Aroclor-1268	15.111	15.091-15.131	
	15.240	15.220-15.260	
	15.990	15.970-16.010	
	16.979	16.959-16.999	
	18.051	18.031-18.071	
90 Octachlorobiphenyl (195)	18.060	18.040-18.080	1.744e+05
91 Nonachlorobiphenyl (206)	19.978	19.958-19.998	1.522e+05
11 Decachlorobiphenyl	20.700	20.680-20.720	1.335e+05

168231

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:06 kho01178

Calibration File Names:
Level 1: /chem/ecd8a.i/070606c.b/009f0901.d
Level 2: /chem/ecd8a.i/070606c.b/010f1001.d
Level 3: /chem/ecd8a.i/070606c.b/011f1101.d
Level 4: /chem/ecd8a.i/062806c.b/018f1801.d
Level 5: /chem/ecd8a.i/070606c.b/013f1301.d

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
2 Aroclor-1221(1)	+++++	+++++	+++++	2620	+++++	AVRG		2620		0.000e+00
(2)	+++++	+++++	+++++	1328	+++++	AVRG		1328		0.000e+00
(3)	+++++	+++++	+++++	6227	+++++	AVRG		6227		0.000e+00
3 Aroclor-1232(1)	+++++	+++++	+++++	5168	+++++	AVRG		5168		0.000e+00
(2)	+++++	+++++	+++++	4116	+++++	AVRG		4116		0.000e+00
(3)	+++++	+++++	+++++	3261	+++++	AVRG		3261		0.000e+00
(4)	+++++	+++++	+++++	1978	+++++	AVRG		1978		0.000e+00
(5)	+++++	+++++	+++++	2202	+++++	AVRG		2202		0.000e+00
66 2,4'-Dichlorobiphenyl (8)	72144	57683	55720	52736	50772	AVRG		57811		14.60399
67 2,2',5-Trichlorobiphenyl (18)	89840	70484	68372	64057	61855	AVRG		70922		15.66797
4 Aroclor-1242(1)	+++++	+++++	+++++	8295	+++++	AVRG		8295		0.000e+00
(2)	+++++	+++++	+++++	6265	+++++	AVRG		6265		0.000e+00
(3)	+++++	+++++	+++++	3710	+++++	AVRG		3710		0.000e+00
(4)	+++++	+++++	+++++	2584	+++++	AVRG		2584		0.000e+00
(5)	+++++	+++++	+++++	4649	+++++	AVRG		4649		0.000e+00
1 Aroclor-1016(1)	9686	9008	8557	7781	7320	AVRG		8471		11.15898
(2)	5475	5145	4948	4508	4456	AVRG		4906		8.78635
(3)	5696	5400	4964	4528	4328	AVRG		4983		11.52121
(4)	5962	5280	5093	4597	4273	AVRG		5041		12.90991
(5)	7424	6901	6535	6008	5702	AVRG		6514		10.56285

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:06 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
68 2,4,4'-Trichlorobiphenyl (28)	167068	139524	139911	134684	132674	AVRG		142772		9.75819
5 Aroclor-1248 (1)	+++++	+++++	+++++	5501	+++++	AVRG		5501		0.000e+00
(2)	+++++	+++++	+++++	6916	+++++	AVRG		6916		0.000e+00
(3)	+++++	+++++	+++++	3991	+++++	AVRG		3991		0.000e+00
(4)	+++++	+++++	+++++	7852	+++++	AVRG		7852		0.000e+00
(5)	+++++	+++++	+++++	6438	+++++	AVRG		6438		0.000e+00
69 Tetrachlorobiphenyl (52)	112096	90030	88537	82238	79792	AVRG		90539		14.11628
70 Tetrachlorobiphenyl (49)	173488	136569	134687	128753	122440	AVRG		139188		14.33738
71 Tetrachlorobiphenyl (44)	167127	133994	131619	125399	120156	AVRG		135659		13.56708
6 Aroclor-1254 (1)	+++++	+++++	+++++	8739	+++++	AVRG		8739		0.000e+00
(2)	+++++	+++++	+++++	11557	+++++	AVRG		11557		0.000e+00
(3)	+++++	+++++	+++++	14678	+++++	AVRG		14678		0.000e+00
(4)	+++++	+++++	+++++	10796	+++++	AVRG		10796		0.000e+00
(5)	+++++	+++++	+++++	10819	+++++	AVRG		10819		0.000e+00
72 Tetrachlorobiphenyl (66)	187109	154134	154385	148381	143171	AVRG		157436		10.93823
73 Pentachlorobiphenyl (101)	182285	145457	143236	136693	131200	AVRG		147774		13.59507
74 Pentachlorobiphenyl (87)	238725	198427	197945	191275	183775	AVRG		202029		10.57312
92 Tetrachlorobiphenyl (81)	146788	118548	120165	120083	116783	AVRG		124474		10.08263
75 Tetrachlorobiphenyl (77)	112043	92436	94243	94402	92524	AVRG		97130		8.63583
7 Aroclor-1260 (1)	15474	14131	13369	12298	11546	AVRG		13363		11.52168
(2)	11498	10616	10106	9357	9131	AVRG		10142		9.48527
(3)	11987	11141	10677	9881	9738	AVRG		10685		8.68667
(4)	25014	23691	23083	21606	21077	AVRG		22894		6.94806
(5)	13843	13015	12530	11723	11783	AVRG		12579		7.06285

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
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Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:06 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
62 Pentachlorobiphenyl (123)	193215	164608	165905	162621	157572	AVRG		168784		8.30671
76 Pentachlorobiphenyl (118)	209879	171444	171019	165851	160594	AVRG		175757		11.13996
61 Pentachlorobiphenyl (114)	244273	229635	238353	237102	230877	AVRG		236048		2.52361
78 Hexachlorobiphenyl (153)	226091	176603	174190	168453	162221	AVRG		181512		14.06671
77 Heptachlorobiphenyl (184)	2848537	10490272	20101395	46770622	87821362	LINR	-12.12641	173116		0.99913
79 Pentachlorobiphenyl (105)	268510	221099	225235	221235	215057	AVRG		230227		9.42860
80 Hexachlorobiphenyl (138)	265998	222428	221892	211881	205090	AVRG		225458		10.55352
83 Pentachlorobiphenyl (126)	144376	129285	117440	110102	99847	AVRG		120210		14.35353
81 Heptachlorobiphenyl (187)	244985	200047	199160	189705	182993	AVRG		203378		11.94961
82 Heptachlorobiphenyl (183)	289151	238714	255009	239804	236967	AVRG		251929		8.74271
65 Hexachlorobiphenyl (167)	253419	209124	210363	197141	191831	AVRG		212376		11.42108
84 Hexachlorobiphenyl (128)	313174	262787	264330	249689	240677	AVRG		266131		10.53740
86 Hexachlorobiphenyl (156)	307008	274432	281644	273859	267961	AVRG		280981		5.45865
63 Hexachlorobiphenyl (157)	298114	255182	257147	244691	238519	AVRG		258730		9.00596
8 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
87 Heptachlorobiphenyl (180)	334898	279548	279635	263684	256147	AVRG		282782		10.91477
89 Hexachlorobiphenyl (169)	255359	191260	189694	184972	181805	AVRG		200618		15.36809
88 Heptachlorobiphenyl (170)	342879	292869	293509	284727	276491	AVRG		298095		8.71455
64 Heptachlorobiphenyl (189)	286814	259753	266798	269378	264919	AVRG		269532		3.81567
90 Octachlorobiphenyl (195)	412935	333622	329675	310471	299326	AVRG		337206		13.22417

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General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-F-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:06 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
91 Nonachlorobiphenyl (206)	342843	284399	282506	269274	265095	AVRG		288823		10.84266
9 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
11 Decachlorobiphenyl	326674	265894	259747	247472	242076	AVRG		268373		12.64698
$ 10 4cmx	310349	263338	266739	270097	274779	AVRG		277060		6.88776

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Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:28 kho01178

Calibration File Names:
Level 1: /chem/ecd8a.i/070606c.b/009b0901.d
Level 2: /chem/ecd8a.i/070606c.b/010b1001.d
Level 3: /chem/ecd8a.i/070606c.b/011b1101.d
Level 4: /chem/ecd8a.i/062806c.b/018b1801.d
Level 5: /chem/ecd8a.i/070606c.b/013b1301.d

122

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
2 Aroclor-1221(1)	+++++	+++++	+++++	1557	+++++	AVRG		1557		0.000e+00
(2)	+++++	+++++	+++++	1098	+++++	AVRG		1098		0.000e+00
(3)	+++++	+++++	+++++	4164	+++++	AVRG		4164		0.000e+00
3 Aroclor-1232(1)	+++++	+++++	+++++	1018	+++++	AVRG		1018		0.000e+00
(2)	+++++	+++++	+++++	2181	+++++	AVRG		2181		0.000e+00
(3)	+++++	+++++	+++++	1317	+++++	AVRG		1317		0.000e+00
(4)	+++++	+++++	+++++	1092	+++++	AVRG		1092		0.000e+00
(5)	+++++	+++++	+++++	1607	+++++	AVRG		1607		0.000e+00
1 Aroclor-1016(1)	7692	7177	7277	6653	6148	AVRG		6989		8.56386
(2)	4461	4223	4375	4044	3898	AVRG		4200		5.51189
(3)	4735	4376	4459	4056	3782	AVRG		4282		8.63026
(4)	4952	4551	4649	4217	3927	AVRG		4459		8.89277
(5)	6067	5636	5760	5362	5111	AVRG		5587		6.57132
66 2,4'-Dichlorobiphenyl (8)	37305	31215	31583	31932	32639	AVRG		32935		7.58799
4 Aroclor-1242(1)	+++++	+++++	+++++	5697	+++++	AVRG		5697		0.000e+00
(2)	+++++	+++++	+++++	5344	+++++	AVRG		5344		0.000e+00
(3)	+++++	+++++	+++++	3326	+++++	AVRG		3326		0.000e+00
(4)	+++++	+++++	+++++	3082	+++++	AVRG		3082		0.000e+00
(5)	+++++	+++++	+++++	4424	+++++	AVRG		4424		0.000e+00

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:28 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
67 2,2',5-Trichlorobiphenyl (18)	45920	38744	39364	39957	40719	AVRG		40941		7.02839
5 Aroclor-1248(1)	+++++	+++++	+++++	4126	+++++	AVRG		4126		0.000e+00
(2)	+++++	+++++	+++++	5244	+++++	AVRG		5244		0.000e+00
(3)	+++++	+++++	+++++	5373	+++++	AVRG		5373		0.000e+00
(4)	+++++	+++++	+++++	6020	+++++	AVRG		6020		0.000e+00
(5)	+++++	+++++	+++++	6683	+++++	AVRG		6683		0.000e+00
68 2,4,4'-Trichlorobiphenyl (28)	93713	84158	88450	93367	98826	AVRG		91703		6.09714
69 Tetrachlorobiphenyl (52)	67386	57618	59697	62151	65202	AVRG		62411		6.35628
70 Tetrachlorobiphenyl (49)	83002	71430	74115	77175	80563	AVRG		77257		6.06317
71 Tetrachlorobiphenyl (44)	89322	77675	81007	84148	87715	AVRG		83973		5.68328
72 Tetrachlorobiphenyl (66)	100558	91654	97068	102756	109833	AVRG		100374		6.72274
73 Pentachlorobiphenyl (101)	92682	80457	83047	86597	91962	AVRG		86949		6.17988
6 Aroclor-1254(1)	+++++	+++++	+++++	9732	+++++	AVRG		9732		0.000e+00
(2)	+++++	+++++	+++++	7064	+++++	AVRG		7064		0.000e+00
(3)	+++++	+++++	+++++	13227	+++++	AVRG		13227		0.000e+00
(4)	+++++	+++++	+++++	9493	+++++	AVRG		9493		0.000e+00
(5)	+++++	+++++	+++++	6155	+++++	AVRG		6155		0.000e+00
92 Tetrachlorobiphenyl (81)	103315	95012	99084	105590	111855	AVRG		102971		6.22514
74 Pentachlorobiphenyl (87)	103315	95012	99084	105590	111855	AVRG		102971		6.22514
75 Tetrachlorobiphenyl (77)	55090	57876	57114	60824	66239	AVRG		59429		7.28276
62 Pentachlorobiphenyl (123)	101648	94858	101061	108678	117104	AVRG		104670		8.12214
76 Pentachlorobiphenyl (118)	113675	100112	103211	108077	115793	AVRG		108174		6.16581
7 Aroclor-1260(1)	11177	10055	10854	10045	10365	AVRG		10499		4.77769
(2)	12713	12064	13115	12162	12742	AVRG		12559		3.49337
(3)	8331	7785	8440	7854	8157	AVRG		8113		3.54280
(4)	8836	8324	9044	8409	8718	AVRG		8666		3.44950
(5)	17808	17289	18582	17805	19393	AVRG		18176		4.52409

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:28 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
78 Hexachlorobiphenyl (153)	111790	96483	99914	103785	110131	AVRG		104421		6.25521
77 Heptachlorobiphenyl (184)	124530	103791	106681	110555	116534	AVRG		112418		7.36817
61 Pentachlorobiphenyl (114)	146929	142254	153664	167151	180946	AVRG		158189		9.99230
8 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
79 Pentachlorobiphenyl (105)	141656	130756	139463	149789	161631	AVRG		144659		8.05920
80 Hexachlorobiphenyl (138)	136158	121234	127641	135173	144766	AVRG		132994		6.72827
81 Heptachlorobiphenyl (187)	120950	105329	110255	117427	124712	AVRG		115735		6.81649
82 Heptachlorobiphenyl (183)	154895	131538	135366	140653	148735	AVRG		142237		6.73097
83 Pentachlorobiphenyl (126)	689982	3392754	7290849	19683059	42856112	LINR	11.48800	86695		0.99828
65 Hexachlorobiphenyl (167)	123074	110131	115278	121739	130192	AVRG		120083		6.39670
84 Hexachlorobiphenyl (128)	163264	145953	153669	162283	173149	AVRG		159663		6.46048
86 Hexachlorobiphenyl (156)	166815	153756	164680	177205	192149	AVRG		170921		8.48134
87 Heptachlorobiphenyl (180)	166387	145226	151387	158395	169005	AVRG		158080		6.31392
63 Hexachlorobiphenyl (157)	149132	135174	144032	153408	165496	AVRG		149448		7.52885
89 Hexachlorobiphenyl (169)	110836	98552	102565	109291	118101	AVRG		107869		7.03653
88 Heptachlorobiphenyl (170)	179416	160230	168377	178687	192313	AVRG		175804		6.91772
64 Heptachlorobiphenyl (189)	166391	151571	160280	171283	186822	AVRG		167269		7.87740
9 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 14-AUG-2006 12:55
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/082106c.b/ECD2-B-8082CONG-072506.m
Cal Date : 24-Aug-2006 17:28 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
90 Octachlorobiphenyl (195)	178272	159088	166468	177585	190397	AVRG		174362		6.89656
91 Nonachlorobiphenyl (206)	156227	139071	145064	154100	166587	AVRG		152210		6.96919
11 Decachlorobiphenyl	137641	122275	127384	134590	145507	AVRG		133479		6.76218
$ 10 4cmx	185639	168732	179878	194178	210995	AVRG		187884		8.45596

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

125

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

Instrument ID: ECD8A Calibration Date: 08/21/06 Time: 1634

Lab File ID: 002F0201 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	97.0	100	AVRG	-3.0	15.0
Pentachlorobiphenyl (114)	105	100	AVRG	5.0	15.0
Pentachlorobiphenyl (123)	102	100	AVRG	2.0	15.0
Hexachlorobiphenyl (157)	99.4	100	AVRG	-0.6	15.0
Heptachlorobiphenyl (189)	100	100	AVRG	0.0	15.0
Hexachlorobiphenyl (167)	97.6	100	AVRG	-2.4	15.0
2,4'-Dichlorobiphenyl (8)	100	100	AVRG	0.0	15.0
2,2',5-Trichlorobiphenyl (18	99.4	100	AVRG	-0.6	15.0
2,4,4'-Trichlorobiphenyl (28	102	100	AVRG	2.0	15.0
Tetrachlorobiphenyl (52)	100	100	AVRG	0.0	15.0
Tetrachlorobiphenyl (49)	100	100	AVRG	0.0	15.0
Tetrachlorobiphenyl (44)	101	100	AVRG	1.0	15.0
Tetrachlorobiphenyl (66)	101	100	AVRG	1.0	15.0
Pentachlorobiphenyl (101)	99.4	100	AVRG	-0.6	15.0
Pentachlorobiphenyl (87)	101	100	AVRG	1.0	15.0
Tetrachlorobiphenyl (77)	105	100	AVRG	5.0	15.0
Pentachlorobiphenyl (118)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (184)	107	100	LINR	7.0	15.0
Hexachlorobiphenyl (153)	101	100	AVRG	1.0	15.0
Pentachlorobiphenyl (105)	102	100	AVRG	2.0	15.0
Hexachlorobiphenyl (138)	99.8	100	AVRG	-0.2	15.0
Heptachlorobiphenyl (187)	98.4	100	AVRG	-1.6	15.0
Heptachlorobiphenyl (183)	99.1	100	AVRG	-0.9	15.0
Pentachlorobiphenyl (126)	102	100	AVRG	2.0	15.0
Hexachlorobiphenyl (128)	99.1	100	AVRG	-0.9	15.0
Hexachlorobiphenyl (156)	101	100	AVRG	1.0	15.0
Heptachlorobiphenyl (180)	97.9	100	AVRG	-2.1	15.0
Heptachlorobiphenyl (170)	98.9	100	AVRG	-1.1	15.0
Hexachlorobiphenyl (169)	95.8	100	AVRG	-4.2	15.0
Octachlorobiphenyl (195)	97.4	100	AVRG	-2.6	15.0
Nonachlorobiphenyl (206)	96.2	100	AVRG	-3.8	15.0
Tetrachlorobiphenyl (81)	104	100	AVRG	4.0	15.0
4cmx	81.1	80.0	AVRG	1.4	30.0

FORM VII PEST

168240

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

Instrument ID: ECD8A Calibration Date: 08/21/06 Time: 1634

Lab File ID: 002B0201 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	95.7	100	AVRG	-4.3	15.0
Pentachlorobiphenyl (114)	97.0	100	AVRG	-3.0	15.0
Pentachlorobiphenyl (123)	95.9	100	AVRG	-4.1	15.0
Hexachlorobiphenyl (157)	95.3	100	AVRG	-4.7	15.0
Heptachlorobiphenyl (189)	94.8	100	AVRG	-5.2	15.0
Hexachlorobiphenyl (167)	96.3	100	AVRG	-3.7	15.0
2,4'-Dichlorobiphenyl (8)	96.0	100	AVRG	-4.0	15.0
2,2',5-Trichlorobiphenyl (18	95.6	100	AVRG	-4.4	15.0
2,4,4'-Trichlorobiphenyl (28	96.3	100	AVRG	-3.7	15.0
Tetrachlorobiphenyl (52)	94.7	100	AVRG	-5.3	15.0
Tetrachlorobiphenyl (49)	95.3	100	AVRG	-4.7	15.0
Tetrachlorobiphenyl (44)	95.2	100	AVRG	-4.8	15.0
Tetrachlorobiphenyl (66)	95.7	100	AVRG	-4.3	15.0
Pentachlorobiphenyl (101)	94.6	100	AVRG	-5.4	15.0
Pentachlorobiphenyl (87)	190	200	AVRG	-5.0	15.0
Tetrachlorobiphenyl (77)	96.3	100	AVRG	-3.7	15.0
Pentachlorobiphenyl (118)	94.9	100	AVRG	-5.1	15.0
Heptachlorobiphenyl (184)	94.1	100	AVRG	-5.9	15.0
Hexachlorobiphenyl (153)	94.9	100	AVRG	-5.1	15.0
Pentachlorobiphenyl (105)	96.0	100	AVRG	-4.0	15.0
Hexachlorobiphenyl (138)	94.7	100	AVRG	-5.3	15.0
Heptachlorobiphenyl (187)	94.6	100	AVRG	-5.4	15.0
Heptachlorobiphenyl (183)	94.8	100	AVRG	-5.2	15.0
Pentachlorobiphenyl (126)	96.8	100	LINR	-3.2	15.0
Hexachlorobiphenyl (128)	94.9	100	AVRG	-5.1	15.0
Hexachlorobiphenyl (156)	95.6	100	AVRG	-4.4	15.0
Heptachlorobiphenyl (180)	95.1	100	AVRG	-4.9	15.0
Heptachlorobiphenyl (170)	94.4	100	AVRG	-5.6	15.0
Hexachlorobiphenyl (169)	96.6	100	AVRG	-3.4	15.0
Octachlorobiphenyl (195)	95.0	100	AVRG	-5.0	15.0
Nonachlorobiphenyl (206)	94.2	100	AVRG	-5.8	15.0
Tetrachlorobiphenyl (81)	190	200	AVRG	-5.0	15.0
4cmx	76.2	80.0	AVRG	-4.8	30.0

FORM VII PEST

168241

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

Instrument ID: ECD8A Calibration Date: 08/21/06 Time: 2003

Lab File ID: 010F1001 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	100	100	AVRG	0.0	15.0
Pentachlorobiphenyl (114)	109	100	AVRG	9.0	15.0
Pentachlorobiphenyl (123)	107	100	AVRG	7.0	15.0
Hexachlorobiphenyl (157)	104	100	AVRG	4.0	15.0
Heptachlorobiphenyl (189)	104	100	AVRG	4.0	15.0
Hexachlorobiphenyl (167)	104	100	AVRG	4.0	15.0
2,4'-Dichlorobiphenyl (8)	104	100	AVRG	4.0	15.0
2,2',5-Trichlorobiphenyl (18	102	100	AVRG	2.0	15.0
2,4,4'-Trichlorobiphenyl (28	105	100	AVRG	5.0	15.0
Tetrachlorobiphenyl (52)	103	100	AVRG	3.0	15.0
Tetrachlorobiphenyl (49)	103	100	AVRG	3.0	15.0
Tetrachlorobiphenyl (44)	104	100	AVRG	4.0	15.0
Tetrachlorobiphenyl (66)	105	100	AVRG	5.0	15.0
Pentachlorobiphenyl (101)	104	100	AVRG	4.0	15.0
Pentachlorobiphenyl (87)	105	100	AVRG	5.0	15.0
Tetrachlorobiphenyl (77)	112	100	AVRG	12.0	15.0
Pentachlorobiphenyl (118)	106	100	AVRG	6.0	15.0
Heptachlorobiphenyl (184)	112	100	LINR	12.0	15.0
Hexachlorobiphenyl (153)	105	100	AVRG	5.0	15.0
Pentachlorobiphenyl (105)	107	100	AVRG	7.0	15.0
Hexachlorobiphenyl (138)	105	100	AVRG	5.0	15.0
Heptachlorobiphenyl (187)	103	100	AVRG	3.0	15.0
Heptachlorobiphenyl (183)	104	100	AVRG	4.0	15.0
Pentachlorobiphenyl (126)	108	100	AVRG	8.0	15.0
Hexachlorobiphenyl (128)	104	100	AVRG	4.0	15.0
Hexachlorobiphenyl (156)	106	100	AVRG	6.0	15.0
Heptachlorobiphenyl (180)	102	100	AVRG	2.0	15.0
Heptachlorobiphenyl (170)	103	100	AVRG	3.0	15.0
Hexachlorobiphenyl (169)	99.6	100	AVRG	-0.4	15.0
Octachlorobiphenyl (195)	99.0	100	AVRG	-1.0	15.0
Nonachlorobiphenyl (206)	97.5	100	AVRG	-2.5	15.0
Tetrachlorobiphenyl (81)	109	100	AVRG	9.0	15.0
4cmx	83.9	80.0	AVRG	4.9	30.0

FORM VII PEST

168242

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

Instrument ID: ECD8A Calibration Date: 08/21/06 Time: 2003

Lab File ID: 010B1001 Init. Calib. Date(s): 08/14/06 08/14/06

Heated Purge: (Y/N) N Init. Calib. Times: 1111 1255

GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d
Decachlorobiphenyl	95.0	100	AVRG	-5.0	15.0
Pentachlorobiphenyl (114)	98.4	100	AVRG	-1.6	15.0
Pentachlorobiphenyl (123)	97.8	100	AVRG	-2.2	15.0
Hexachlorobiphenyl (157)	97.5	100	AVRG	-2.5	15.0
Heptachlorobiphenyl (189)	95.8	100	AVRG	-4.2	15.0
Hexachlorobiphenyl (167)	98.2	100	AVRG	-1.8	15.0
2,4'-Dichlorobiphenyl (8)	97.1	100	AVRG	-2.9	15.0
2,2',5-Trichlorobiphenyl (18	96.7	100	AVRG	-3.3	15.0
2,4,4'-Trichlorobiphenyl (28	97.7	100	AVRG	-2.3	15.0
Tetrachlorobiphenyl (52)	96.0	100	AVRG	-4.0	15.0
Tetrachlorobiphenyl (49)	96.2	100	AVRG	-3.8	15.0
Tetrachlorobiphenyl (44)	96.6	100	AVRG	-3.4	15.0
Tetrachlorobiphenyl (66)	97.1	100	AVRG	-2.9	15.0
Pentachlorobiphenyl (101)	94.9	100	AVRG	-5.1	15.0
Pentachlorobiphenyl (87)	192	200	AVRG	-4.0	15.0
Tetrachlorobiphenyl (77)	98.7	100	AVRG	-1.3	15.0
Pentachlorobiphenyl (118)	95.8	100	AVRG	-4.2	15.0
Heptachlorobiphenyl (184)	94.4	100	AVRG	-5.6	15.0
Hexachlorobiphenyl (153)	95.7	100	AVRG	-4.3	15.0
Pentachlorobiphenyl (105)	98.0	100	AVRG	-2.0	15.0
Hexachlorobiphenyl (138)	93.6	100	AVRG	-6.4	15.0
Heptachlorobiphenyl (187)	96.4	100	AVRG	-3.6	15.0
Heptachlorobiphenyl (183)	96.0	100	AVRG	-4.0	15.0
Pentachlorobiphenyl (126)	98.5	100	LINR	-1.5	15.0
Hexachlorobiphenyl (128)	96.9	100	AVRG	-3.1	15.0
Hexachlorobiphenyl (156)	97.7	100	AVRG	-2.3	15.0
Heptachlorobiphenyl (180)	96.8	100	AVRG	-3.2	15.0
Heptachlorobiphenyl (170)	95.9	100	AVRG	-4.1	15.0
Hexachlorobiphenyl (169)	97.9	100	AVRG	-2.1	15.0
Octachlorobiphenyl (195)	93.4	100	AVRG	-6.6	15.0
Nonachlorobiphenyl (206)	94.3	100	AVRG	-5.7	15.0
Tetrachlorobiphenyl (81)	192	200	AVRG	-4.0	15.0
4cmx	77.7	80.0	AVRG	-2.9	30.0

FORM VII PEST

168243

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 08/14/06 08/14/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.30

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060807-03	08/14/06	0941	3.29	
02	ZZZZZ	ZZZZZ	08/14/06	1007		
03	PIBLK02	WAR060807-03	08/14/06	1045	3.30	
04	CONSTD01	WAR060814-51	08/14/06	1111	3.30	
05	CONSTD02	WAR060814-52	08/14/06	1137	3.29	
06	CONSTD03	WAR060814-53	08/14/06	1203	3.30	
07	CONSTD04	WAR060814-54	08/14/06	1229	3.30	
08	CONSTD05	IAR060807-50	08/14/06	1255	3.30	
09	CONSTD01	WAR060724-5	08/14/06	1321	3.30	
10	PIBLK03	WAR060807-03	08/14/06	1347	3.30	
11	ZZZZZ	ZZZZZ	08/14/06	1413	3.30	
12	ZZZZZ	ZZZZZ	08/14/06	1439	3.30	
13	ZZZZZ	ZZZZZ	08/14/06	1505	3.30	
14	ZZZZZ	ZZZZZ	08/14/06	1531	3.30	
15	ZZZZZ	ZZZZZ	08/14/06	1558	3.29	
16	ZZZZZ	ZZZZZ	08/14/06	1624	3.30	
17	ZZZZZ	ZZZZZ	08/14/06	1650	3.30	
18	ZZZZZ	ZZZZZ	08/14/06	1716	3.30	
19	CONSTD02	WAR060814-53	08/14/06	1742	3.30	
20	PIBLK04	WAR060807-03	08/14/06	1808	3.29	
21	ZZZZZ	ZZZZZ	08/14/06	1834	3.30	
22	ZZZZZ	ZZZZZ	08/14/06	1900	3.30	
23	ZZZZZ	ZZZZZ	08/14/06	1926	3.30	
24	ZZZZZ	ZZZZZ	08/14/06	1952	3.29	
25	CONSTD03	WAR060814-53	08/14/06	2018	3.30	
26						
27						
28						
29						
30						
31						
32						

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

168244

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

GC Column: DB-17MS ID: 0.25 (mm) Init. Calib. Date(s): 08/14/06 08/14/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.43

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060807-03	08/14/06	0941	4.42	
02	ZZZZZ	ZZZZZ	08/14/06	1007	4.43	
03	PIBLK02	WAR060807-03	08/14/06	1045	4.42	
04	CONSTD01	WAR060814-51	08/14/06	1111	4.43	
05	CONSTD02	WAR060814-52	08/14/06	1137	4.42	
06	CONSTD03	WAR060814-53	08/14/06	1203	4.42	
07	CONSTD04	WAR060814-54	08/14/06	1229	4.42	
08	CONSTD05	IAR060807-50	08/14/06	1255	4.42	
09	CONSTD01	WAR060724-5	08/14/06	1321	4.43	
10	PIBLK03	WAR060807-03	08/14/06	1347	4.42	
11	ZZZZZ	ZZZZZ	08/14/06	1413	4.42	
12	ZZZZZ	ZZZZZ	08/14/06	1439	4.43	
13	ZZZZZ	ZZZZZ	08/14/06	1505	4.43	
14	ZZZZZ	ZZZZZ	08/14/06	1531	4.43	
15	ZZZZZ	ZZZZZ	08/14/06	1558	4.42	
16	ZZZZZ	ZZZZZ	08/14/06	1624	4.43	
17	ZZZZZ	ZZZZZ	08/14/06	1650	4.43	
18	ZZZZZ	ZZZZZ	08/14/06	1716	4.43	
19	CONSTD02	WAR060814-53	08/14/06	1742	4.43	
20	PIBLK04	WAR060807-03	08/14/06	1808	4.42	
21	ZZZZZ	ZZZZZ	08/14/06	1834	4.43	
22	ZZZZZ	ZZZZZ	08/14/06	1900	4.43	
23	ZZZZZ	ZZZZZ	08/14/06	1926	4.43	
24	ZZZZZ	ZZZZZ	08/14/06	1952	4.43	
25	CONSTD03	WAR060814-53	08/14/06	2018	4.43	
26						
27						
28						
29						
30						
31						
32						

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

168245

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 08/14/06 08/14/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.30

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060807-03	08/21/06	1608	3.30	
02	CONSTD01	WAR060814-53	08/21/06	1634	3.30	
03	PIBLK02	WAR060807-03	08/21/06	1700	3.30	
04	PBLK01	1201160336	08/21/06	1726	3.30	
05	PBLK01LCS	1201160337	08/21/06	1752	3.30	
06	20608043405,06,07	168604001	08/21/06	1818	3.30	
07	20608043405,06,07MS	1201160338	08/21/06	1845	3.30	
08	20608043405,06,07MSD	1201160339	08/21/06	1911	3.30	
09	20608043408	168604002	08/21/06	1937	3.30	
10	CONSTD02	WAR060814-53	08/21/06	2003	3.30	
11	PIBLK03	WAR060807-03	08/21/06	2029	3.30	
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 168603-1

GC Column: DB-17MS ID: 0.25 (mm) Init. Calib. Date(s): 08/14/06 08/14/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.43

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060807-03	08/21/06	1608	4.43	
02	CONSTD01	WAR060814-53	08/21/06	1634	4.43	
03	PIBLK02	WAR060807-03	08/21/06	1700	4.43	
04	PBLK01	1201160336	08/21/06	1726	4.43	
05	PBLK01LCS	1201160337	08/21/06	1752	4.42	
06	20608043405,06,07	168604001	08/21/06	1818	4.43	
07	20608043405,06,07MS	1201160338	08/21/06	1845	4.43	
08	20608043405,06,07MSD	1201160339	08/21/06	1911	4.43	
09	20608043408	168604002	08/21/06	1937	4.43	
10	CONSTD02	WAR060814-53	08/21/06	2003	4.43	
11	PIBLK03	WAR060807-03	08/21/06	2029	4.43	
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Identification Summary

SDG Number: 168603–1 **Client ID:** LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	**Data File:**	005b0501.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21–AUG–06 17:52	**Analyzed:**	21–AUG–06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							5.45
Column 1	1	13.5	13.4 – 13.5	4.13		ug/kg	
					4.13		
Column 2	1	17.5	17.5 – 17.5	3.91		ug/kg	
					3.91		
Decachlorobiphenyl							2.34
Column 1	1	16.1	16 – 16.1	3.29		ug/kg	
					3.29		
Column 2	1	20.7	20.7 – 20.7	3.22		ug/kg	
					3.22		
2,4'–Dichlorobiphenyl (8)							20.6
Column 1	1	3.91	3.89 – 3.93	4.04		ug/kg	
					4.04		
Column 2	1	5.36	5.34 – 5.38	3.28		ug/kg	
					3.28		
2,2',5–Trichlorobiphenyl (18)							5.89
Column 1	1	4.49	4.47 – 4.51	3.14		ug/kg	
					3.14		
Column 2	1	6.1	6.08 – 6.12	2.96		ug/kg	
					2.96		
2,4,4'–Trichlorobiphenyl (28)							3.07
Column 1	1	5.27	5.25 – 5.29	3.72		ug/kg	
					3.72		
Column 2	1	6.94	6.92 – 6.96	3.6		ug/kg	
					3.6		

168248

Identification Summary

SDG Number: 168603-1 **Client ID:** LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	**Data File:**	005b0501.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 17:52	**Analyzed:**	21-AUG-06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							7.63
Column 1	1	5.82	5.8 – 5.84	4.14		ug/kg	
					4.14		
Column 2	1	7.59	7.57 – 7.61	3.83		ug/kg	
					3.83		
Tetrachlorobiphenyl (49)							4.39
Column 1	1	5.85	5.83 – 5.87	3.19		ug/kg	
					3.19		
Column 2	1	7.67	7.65 – 7.69	3.05		ug/kg	
					3.05		
Tetrachlorobiphenyl (44)							4.01
Column 1	1	6.18	6.16 – 6.2	3.81		ug/kg	
					3.81		
Column 2	1	8.14	8.12 – 8.16	3.66		ug/kg	
					3.66		
Tetrachlorobiphenyl (66)							8.36
Column 1	1	6.94	6.92 – 6.96	3.35		ug/kg	
					3.35		
Column 2	1	9.13	9.11 – 9.15	3.09		ug/kg	
					3.09		
Pentachlorobiphenyl (101)							3.88
Column 1	1	7.28	7.26 – 7.3	4.03		ug/kg	
					4.03		
Column 2	1	9.61	9.6 – 9.64	3.87		ug/kg	
					3.87		

168249

Identification Summary

SDG Number: 168603-1 Client ID: LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	Data File:	005b0501.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 17:52	Analyzed:	21-AUG-06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							66.8
Column 1	1	7.8	7.78 - 7.82	3.18		ug/kg	
					3.18		
Column 2	1	10.5	10.5 - 10.5	6.37		ug/kg	
					6.37		
Tetrachlorobiphenyl (77)							6.37
Column 1	1	8.23	8.21 - 8.25	3.66		ug/kg	
					3.66		
Column 2	1	10.9	10.9 - 10.9	3.44		ug/kg	
					3.44		
Pentachlorobiphenyl (123)							.342
Column 1	1	8.57	8.55 - 8.59	3.54		ug/kg	
					3.54		
Column 2	1	11.4	11.4 - 11.4	3.52		ug/kg	
					3.52		
Pentachlorobiphenyl (118)							5.01
Column 1	1	8.65	8.63 - 8.67	3.28		ug/kg	
					3.28		
Column 2	1	11.5	11.5 - 11.5	3.12		ug/kg	
					3.12		
Pentachlorobiphenyl (114)							6.89
Column 1	1	8.77	8.75 - 8.79	3.44		ug/kg	
					3.44		
Column 2	1	11.9	11.8 - 11.9	3.21		ug/kg	
					3.21		

168250

Identification Summary

SDG Number: 168603-1 **Client ID:** LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	**Data File:**	005b0501.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 17:52	**Analyzed:**	21-AUG-06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							9.24
Column 1	1	8.81	8.79 – 8.83	3.66		ug/kg	
					3.66		
Column 2	1	11.9	11.9 – 12	3.33		ug/kg	
					3.33		
Hexachlorobiphenyl (153)							2.99
Column 1	1	9.09	9.07 – 9.11	3.52		ug/kg	
					3.52		
Column 2	1	12.1	12 – 12.1	3.42		ug/kg	
					3.42		
Pentachlorobiphenyl (105)							4.1
Column 1	1	9.26	9.24 – 9.28	3.28		ug/kg	
					3.28		
Column 2	1	12.5	12.5 – 12.5	3.15		ug/kg	
					3.15		
Hexachlorobiphenyl (138)							3.49
Column 1	1	9.75	9.73 – 9.77	3.68		ug/kg	
					3.68		
Column 2	1	13.1	13.1 – 13.2	3.55		ug/kg	
					3.55		
Heptachlorobiphenyl (183)							6.35
Column 1	1	10.2	10.2 – 10.2	3.49		ug/kg	
					3.49		
Column 2	1	13.6	13.6 – 13.6	3.27		ug/kg	
					3.27		

168251

Identification Summary

SDG Number: 168603-1 Client ID: LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	Data File:	005b0501.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 17:52	Analyzed:	21-AUG-06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							3.5
Column 1	1	10.2	10.2 - 10.2	3.52		ug/kg	
					3.52		
Column 2	1	13.5	13.5 - 13.5	3.4		ug/kg	
					3.4		
Hexachlorobiphenyl (128)							5.65
Column 1	1	10.5	10.4 - 10.5	3.38		ug/kg	
					3.38		
Column 2	1	14.3	14.2 - 14.3	3.19		ug/kg	
					3.19		
Hexachlorobiphenyl (167)							2.18
Column 1	1	10.6	10.6 - 10.6	3.71		ug/kg	
					3.71		
Column 2	1	14	14 - 14	3.63		ug/kg	
					3.63		
Hexachlorobiphenyl (156)							5.69
Column 1	1	11.2	11.2 - 11.2	3.93		ug/kg	
					3.93		
Column 2	1	14.9	14.9 - 14.9	3.71		ug/kg	
					3.71		
Hexachlorobiphenyl (157)							4.4
Column 1	1	11.4	11.3 - 11.4	4.01		ug/kg	
					4.01		
Column 2	1	15.2	15.2 - 15.2	3.84		ug/kg	
					3.84		

168252

Identification Summary

SDG Number: 168603-1 Client ID: LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	Data File:	005b0501.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 17:52	Analyzed:	21-AUG-06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							5.66
Column 1	1	11.6	11.6 - 11.6	3.34		ug/kg	
					3.34		
Column 2	1	15.3	15.3 - 15.3	3.16		ug/kg	
					3.16		
Hexachlorobiphenyl (169)							2.08
Column 1	1	12.5	12.5 - 12.5	3.26		ug/kg	
					3.26		
Column 2	1	16.2	16.2 - 16.2	3.33		ug/kg	
					3.33		
Heptachlorobiphenyl (170)							5.01
Column 1	1	12.4	12.4 - 12.4	3.45		ug/kg	
					3.45		
Column 2	1	16.6	16.6 - 16.6	3.28		ug/kg	
					3.28		
Heptachlorobiphenyl (187)							3.45
Column 1	1	10.1	10 - 10.1	3.59		ug/kg	
					3.59		
Column 2	1	13.5	13.4 - 13.5	3.47		ug/kg	
					3.47		
Octachlorobiphenyl (195)							1.42
Column 1	1	13.5	13.5 - 13.6	3.33		ug/kg	
					3.33		
Column 2	1	18.1	18 - 18.1	3.28		ug/kg	
					3.28		

168253

Identification Summary

SDG Number: 168603-1 **Client ID:** LCS for batch 558732

Lab Sample ID: 1201160337

Data File:	005f0501.d	**Data File:**	005b0501.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 17:52	**Analyzed:**	21-AUG-06 17:52

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							.931
Column 1	1	15.4	15.4 - 15.4	3.64		ug/kg	
					3.64		
Column 2	1	20	20 - 20	3.61		ug/kg	
					3.61		

168254

Identification Summary

SDG Number: 168603-1 **Client ID:** 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	**Data File:**	007b0701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 18:45	**Analyzed:**	21-AUG-06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							1.52
Column 1	1	13.5	13.4 - 13.5	13.3		ug/kg	
					13.3		
Column 2	1	17.5	17.5 - 17.5	13.1		ug/kg	
					13.1		
Decachlorobiphenyl							1.8
Column 1	1	16.1	16 - 16.1	10.1		ug/kg	
					10.1		
Column 2	1	20.7	20.7 - 20.7	10.3		ug/kg	
					10.3		
2,4'-Dichlorobiphenyl (8)							18.9
Column 1	1	3.91	3.89 - 3.93	13.1		ug/kg	
					13.1		
Column 2	1	5.36	5.34 - 5.38	10.9		ug/kg	
					10.9		
2,2',5-Trichlorobiphenyl (18)							5.48
Column 1	1	4.49	4.47 - 4.51	10.6		ug/kg	
					10.6		
Column 2	1	6.1	6.08 - 6.12	10		ug/kg	
					10		
2,4,4'-Trichlorobiphenyl (28)							1.08
Column 1	1	5.27	5.25 - 5.29	12.7		ug/kg	
					12.7		
Column 2	1	6.94	6.92 - 6.96	12.6		ug/kg	
					12.6		

168255

Identification Summary

SDG Number: 168603-1 **Client ID:** 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	**Data File:**	007b0701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 18:45	**Analyzed:**	21-AUG-06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							4.15
Column 1	1	5.82	5.8 - 5.84	14.1		ug/kg	
					14.1		
Column 2	1	7.59	7.57 - 7.61	13.5		ug/kg	
					13.5		
Tetrachlorobiphenyl (49)							3.26
Column 1	1	5.85	5.83 - 5.87	11.1		ug/kg	
					11.1		
Column 2	1	7.67	7.65 - 7.69	10.8		ug/kg	
					10.8		
Tetrachlorobiphenyl (44)							1.06
Column 1	1	6.18	6.16 - 6.2	13.1		ug/kg	
					13.1		
Column 2	1	8.14	8.12 - 8.16	12.9		ug/kg	
					12.9		
Tetrachlorobiphenyl (66)							2.75
Column 1	1	6.94	6.92 - 6.96	11.5		ug/kg	
					11.5		
Column 2	1	9.13	9.11 - 9.15	11.2		ug/kg	
					11.2		
Pentachlorobiphenyl (101)							1.18
Column 1	1	7.28	7.26 - 7.3	13.9		ug/kg	
					13.9		
Column 2	1	9.62	9.6 - 9.64	14.1		ug/kg	
					14.1		

Identification Summary

SDG Number: 168603-1 **Client ID:** 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	**Data File:**	007b0701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 18:45	**Analyzed:**	21-AUG-06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							70.2
Column 1	1	7.8	7.78 - 7.82	11		ug/kg	
					11		
Column 2	1	10.5	10.5 - 10.5	22.9		ug/kg	
					22.9		
Tetrachlorobiphenyl (77)							.996
Column 1	1	8.23	8.21 - 8.25	12.5		ug/kg	
					12.5		
Column 2	1	10.9	10.9 - 10.9	12.4		ug/kg	
					12.4		
Pentachlorobiphenyl (123)							1.6
Column 1	1	8.57	8.55 - 8.59	12.5		ug/kg	
					12.5		
Column 2	1	11.4	11.4 - 11.4	12.7		ug/kg	
					12.7		
Pentachlorobiphenyl (118)							3.53
Column 1	1	8.65	8.63 - 8.67	11.3		ug/kg	
					11.3		
Column 2	1	11.5	11.5 - 11.5	10.9		ug/kg	
					10.9		
Pentachlorobiphenyl (114)							2.85
Column 1	1	8.77	8.75 - 8.79	11.8		ug/kg	
					11.8		
Column 2	1	11.9	11.8 - 11.9	11.4		ug/kg	
					11.4		

168257

Identification Summary

SDG Number: 168603-1 **Client ID:** 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	**Data File:**	007b0701.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 18:45	**Analyzed:**	21-AUG-06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							6.87
Column 1	1	8.81	8.79 – 8.83	12.6		ug/kg	
					12.6		
Column 2	1	11.9	11.9 – 12	11.8		ug/kg	
					11.8		
Hexachlorobiphenyl (153)							.487
Column 1	1	9.09	9.07 – 9.11	12.1		ug/kg	
					12.1		
Column 2	1	12.1	12 – 12.1	12		ug/kg	
					12		
Pentachlorobiphenyl (105)							3.94
Column 1	1	9.26	9.24 – 9.28	11.2		ug/kg	
					11.2		
Column 2	1	12.5	12.5 – 12.5	10.7		ug/kg	
					10.7		
Hexachlorobiphenyl (138)							.798
Column 1	1	9.75	9.73 – 9.77	12.2		ug/kg	
					12.2		
Column 2	1	13.1	13.1 – 13.2	12.1		ug/kg	
					12.1		
Heptachlorobiphenyl (183)							1.81
Column 1	1	10.2	10.2 – 10.2	11.5		ug/kg	
					11.5		
Column 2	1	13.6	13.6 – 13.6	11.3		ug/kg	
					11.3		

168258

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	Data File:	007b0701.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 18:45	Analyzed:	21-AUG-06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							1.35
Column 1	1	10.2	10.2 - 10.2	11.3		ug/kg	
					11.3		
Column 2	1	13.5	13.5 - 13.5	11.5		ug/kg	
					11.5		
Hexachlorobiphenyl (128)							1.49
Column 1	1	10.5	10.4 - 10.5	10.8		ug/kg	
					10.8		
Column 2	1	14.3	14.2 - 14.3	11		ug/kg	
					11		
Hexachlorobiphenyl (167)							3.85
Column 1	1	10.6	10.6 - 10.6	12		ug/kg	
					12		
Column 2	1	14	14 - 14	12.4		ug/kg	
					12.4		
Hexachlorobiphenyl (156)							.967
Column 1	1	11.2	11.2 - 11.2	12.7		ug/kg	
					12.7		
Column 2	1	14.9	14.9 - 14.9	12.8		ug/kg	
					12.8		
Hexachlorobiphenyl (157)							4.71
Column 1	1	11.4	11.3 - 11.4	12.6		ug/kg	
					12.6		
Column 2	1	15.2	15.2 - 15.2	13.2		ug/kg	
					13.2		

168259

Identification Summary

SDG Number: 168603–1 Client ID: 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	Data File:	007b0701.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21–AUG–06 18:45	Analyzed:	21–AUG–06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							4.48
Column 1	1	11.6	11.6 – 11.6	10.4		ug/kg	
					10.4		
Column 2	1	15.3	15.3 – 15.3	10.9		ug/kg	
					10.9		
Hexachlorobiphenyl (169)							7.79
Column 1	1	12.5	12.5 – 12.5	10.1		ug/kg	
					10.1		
Column 2	1	16.2	16.2 – 16.2	10.9		ug/kg	
					10.9		
Heptachlorobiphenyl (170)							.0436
Column 1	1	12.4	12.4 – 12.4	11.2		ug/kg	
					11.2		
Column 2	1	16.6	16.6 – 16.6	11.2		ug/kg	
					11.2		
Heptachlorobiphenyl (187)							2.58
Column 1	1	10.1	10 – 10.1	11.8		ug/kg	
					11.8		
Column 2	1	13.5	13.4 – 13.5	12.1		ug/kg	
					12.1		
Octachlorobiphenyl (195)							2.95
Column 1	1	13.5	13.5 – 13.6	10.4		ug/kg	
					10.4		
Column 2	1	18.1	18 – 18.1	10.1		ug/kg	
					10.1		

168260

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MS

Lab Sample ID: 1201160338

Data File:	007f0701.d	Data File:	007b0701.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 18:45	Analyzed:	21-AUG-06 18:45

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							1.69
Column 1	1	15.4	15.4 - 15.4	11.5		ug/kg	
					11.5		
Column 2	1	20	20 - 20	11.7		ug/kg	
					11.7		

168261

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	Data File:	008b0801.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 19:11	Analyzed:	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							2.6
Column 1	1	13.5	13.4 – 13.5	13.3		ug/kg	
					13.3		
Column 2	1	17.5	17.5 – 17.5	13		ug/kg	
					13		
Decachlorobiphenyl							.576
Column 1	1	16.1	16 – 16.1	10.3		ug/kg	
					10.3		
Column 2	1	20.7	20.7 – 20.7	10.3		ug/kg	
					10.3		
2,4'-Dichlorobiphenyl (8)							17.7
Column 1	1	3.91	3.89 – 3.93	12.2		ug/kg	
					12.2		
Column 2	1	5.36	5.34 – 5.38	10.2		ug/kg	
					10.2		
2,2',5-Trichlorobiphenyl (18)							7.26
Column 1	1	4.49	4.47 – 4.51	10.2		ug/kg	
					10.2		
Column 2	1	6.1	6.08 – 6.12	9.48		ug/kg	
					9.48		
2,4,4'-Trichlorobiphenyl (28)							.727
Column 1	1	5.27	5.25 – 5.29	12.3		ug/kg	
					12.3		
Column 2	1	6.94	6.92 – 6.96	12.2		ug/kg	
					12.2		

168262

Identification Summary

SDG Number: 168603-1 **Client ID:** 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	**Data File:**	008b0801.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 19:11	**Analyzed:**	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							5.13
Column 1	1	5.82	5.8 - 5.84	13.8		ug/kg	
					13.8		
Column 2	1	7.59	7.57 - 7.61	13.1		ug/kg	
					13.1		
Tetrachlorobiphenyl (49)							2.31
Column 1	1	5.85	5.83 - 5.87	10.7		ug/kg	
					10.7		
Column 2	1	7.67	7.65 - 7.69	10.4		ug/kg	
					10.4		
Tetrachlorobiphenyl (44)							.00347
Column 1	1	6.18	6.16 - 6.2	12.6		ug/kg	
					12.6		
Column 2	1	8.14	8.12 - 8.16	12.6		ug/kg	
					12.6		
Tetrachlorobiphenyl (66)							1.6
Column 1	1	6.94	6.92 - 6.96	11.3		ug/kg	
					11.3		
Column 2	1	9.13	9.11 - 9.15	11.1		ug/kg	
					11.1		
Pentachlorobiphenyl (101)							1.74
Column 1	1	7.28	7.26 - 7.3	13.9		ug/kg	
					13.9		
Column 2	1	9.62	9.6 - 9.64	14.1		ug/kg	
					14.1		

168263

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	Data File:	008b0801.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 19:11	Analyzed:	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							68.4
Column 1	1	7.8	7.78 – 7.82	11		ug/kg	
					11		
Column 2	1	10.5	10.5 – 10.5	22.5		ug/kg	
					22.5		
Tetrachlorobiphenyl (77)							1.28
Column 1	1	8.23	8.21 – 8.25	12.6		ug/kg	
					12.6		
Column 2	1	10.9	10.9 – 10.9	12.4		ug/kg	
					12.4		
Pentachlorobiphenyl (123)							1.14
Column 1	1	8.57	8.55 – 8.59	12.5		ug/kg	
					12.5		
Column 2	1	11.4	11.4 – 11.4	12.7		ug/kg	
					12.7		
Pentachlorobiphenyl (118)							4.27
Column 1	1	8.65	8.63 – 8.67	11.5		ug/kg	
					11.5		
Column 2	1	11.5	11.5 – 11.5	11		ug/kg	
					11		
Pentachlorobiphenyl (114)							4.23
Column 1	1	8.77	8.75 – 8.79	11.8		ug/kg	
					11.8		
Column 2	1	11.9	11.8 – 11.9	11.4		ug/kg	
					11.4		

168264

Identification Summary

SDG Number: 168603-1 **Client ID:** 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	**Data File:**	008b0801.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	21-AUG-06 19:11	**Analyzed:**	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							7.97
Column 1	1	8.82	8.79 - 8.83	12.6		ug/kg	
					12.6		
Column 2	1	11.9	11.9 - 12	11.7		ug/kg	
					11.7		
Hexachlorobiphenyl (153)							2.3
Column 1	1	9.09	9.07 - 9.11	12.3		ug/kg	
					12.3		
Column 2	1	12.1	12 - 12.1	12.1		ug/kg	
					12.1		
Pentachlorobiphenyl (105)							3.81
Column 1	1	9.26	9.24 - 9.28	11.2		ug/kg	
					11.2		
Column 2	1	12.5	12.5 - 12.5	10.8		ug/kg	
					10.8		
Hexachlorobiphenyl (138)							2.36
Column 1	1	9.75	9.73 - 9.77	12.5		ug/kg	
					12.5		
Column 2	1	13.1	13.1 - 13.2	12.2		ug/kg	
					12.2		
Heptachlorobiphenyl (183)							1.92
Column 1	1	10.2	10.2 - 10.2	11.4		ug/kg	
					11.4		
Column 2	1	13.6	13.6 - 13.6	11.2		ug/kg	
					11.2		

168265

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	Data File:	008b0801.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 19:11	Analyzed:	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							1.17
Column 1	1	10.2	10.2 - 10.2	11.5		ug/kg	
					11.5		
Column 2	1	13.5	13.5 - 13.5	11.4		ug/kg	
					11.4		
Hexachlorobiphenyl (128)							.453
Column 1	1	10.5	10.4 - 10.5	11		ug/kg	
					11		
Column 2	1	14.3	14.2 - 14.3	11		ug/kg	
					11		
Hexachlorobiphenyl (167)							1.2
Column 1	1	10.6	10.6 - 10.6	12.2		ug/kg	
					12.2		
Column 2	1	14	14 - 14	12.4		ug/kg	
					12.4		
Hexachlorobiphenyl (156)							.189
Column 1	1	11.2	11.2 - 11.2	12.8		ug/kg	
					12.8		
Column 2	1	14.9	14.9 - 14.9	12.8		ug/kg	
					12.8		
Hexachlorobiphenyl (157)							2.37
Column 1	1	11.4	11.3 - 11.4	12.9		ug/kg	
					12.9		
Column 2	1	15.2	15.2 - 15.2	13.2		ug/kg	
					13.2		

168266

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	Data File:	008b0801.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 19:11	Analyzed:	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							2.11
Column 1	1	11.6	11.6 - 11.6	10.6		ug/kg	
					10.6		
Column 2	1	15.3	15.3 - 15.3	10.8		ug/kg	
					10.8		
Hexachlorobiphenyl (169)							6.36
Column 1	1	12.5	12.5 - 12.5	10.2		ug/kg	
					10.2		
Column 2	1	16.2	16.2 - 16.2	10.8		ug/kg	
					10.8		
Heptachlorobiphenyl (170)							.626
Column 1	1	12.4	12.4 - 12.4	11.2		ug/kg	
					11.2		
Column 2	1	16.6	16.6 - 16.6	11.2		ug/kg	
					11.2		
Heptachlorobiphenyl (187)							1.19
Column 1	1	10.1	10 - 10.1	11.9		ug/kg	
					11.9		
Column 2	1	13.5	13.4 - 13.5	12		ug/kg	
					12		
Octachlorobiphenyl (195)							.921
Column 1	1	13.5	13.5 - 13.6	10.6		ug/kg	
					10.6		
Column 2	1	18.1	18 - 18.1	10.5		ug/kg	
					10.5		

Identification Summary

SDG Number: 168603-1 Client ID: 20608043405,06,07(168604001)MSD

Lab Sample ID: 1201160339

Data File:	008f0801.d	Data File:	008b0801.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	21-AUG-06 19:11	Analyzed:	21-AUG-06 19:11

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							1.38
Column 1	1	15.4	15.4 - 15.4	11.6		ug/kg	
					11.6		
Column 2	1	20	20 - 20	11.8		ug/kg	
					11.8		

168268

QUALITY CONTROL DATA

168269

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603-1**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201160336**				
Client Sample:	**QC for batch 558732**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**MB for batch 558732**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**558733**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/21/2006 17:26**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/16/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	0.333	ug/kg	0.193	0.333
2051-24-3	Decachlorobiphenyl	U	0.333	ug/kg	0.333	0.333
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	0.333	ug/kg	0.233	0.333
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	0.333	ug/kg	0.278	0.333
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	0.333	ug/kg	0.207	0.333
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	0.333	ug/kg	0.187	0.333
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	0.333	ug/kg	0.137	0.333
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	0.333	ug/kg	0.119	0.333
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	0.333	ug/kg	0.147	0.333
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	0.333	ug/kg	0.175	0.333
38380-02-8	Pentachlorobiphenyl (87)	U	0.333	ug/kg	0.221	0.333
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	0.333	ug/kg	0.299	0.333
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	0.333	ug/kg	0.131	0.333
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	0.333	ug/kg	0.265	0.333
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	0.333	ug/kg	0.191	0.333
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	0.333	ug/kg	0.112	0.333
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	0.333	ug/kg	0.117	0.333
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	0.333	ug/kg	0.161	0.333
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	0.333	ug/kg	0.243	0.333
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	0.333	ug/kg	0.124	0.333
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	0.333	ug/kg	0.185	0.333

168270

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603-1			Matrix:	SOIL
Lab Sample ID:	1201160336				
Client Sample:	QC for batch 558732	Client:	GCAL001	Project:	QC
Client ID:	MB for batch 558732	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 17:26	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	30 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	0.333	ug/kg	0.161	0.333
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	0.333	ug/kg	0.116	0.333
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	0.333	ug/kg	0.124	0.333
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	0.333	ug/kg	0.216	0.333
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	0.333	ug/kg	0.108	0.333
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	0.333	ug/kg	0.219	0.333
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	0.333	ug/kg	0.101	0.333
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	0.333	ug/kg	0.096	0.333
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	0.333	ug/kg	0.105	0.333
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	0.333	ug/kg	0.106	0.333

168271

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603-1**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201160337**				
Client Sample:	**QC for batch 558732**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**LCS for batch 558732**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**558733**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/21/2006 17:52**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/16/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		4.13	ug/kg	0.193	0.333
2051-24-3	Decachlorobiphenyl		3.29	ug/kg	0.333	0.333
34883-43-7	2,4'-Dichlorobiphenyl (8)		4.04	ug/kg	0.233	0.333
37680-65-2	2,2',5-Trichlorobiphenyl (18)		3.14	ug/kg	0.278	0.333
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		3.72	ug/kg	0.207	0.333
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		4.14	ug/kg	0.187	0.333
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		3.19	ug/kg	0.137	0.333
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		3.81	ug/kg	0.119	0.333
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		3.36	ug/kg	0.147	0.333
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		4.03	ug/kg	0.175	0.333
38380-02-8	Pentachlorobiphenyl (87)	P	3.18	ug/kg	0.221	0.333
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		3.67	ug/kg	0.299	0.333
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		3.54	ug/kg	0.131	0.333
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		3.28	ug/kg	0.265	0.333
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		3.44	ug/kg	0.191	0.333
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobiphony *Heptachlorobiphenyl (184)*		3.66	ug/kg	0.112	0.333
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		3.52	ug/kg	0.117	0.333
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		3.28	ug/kg	0.161	0.333
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		3.68	ug/kg	0.243	0.333
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		3.49	ug/kg	0.124	0.333
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		3.52	ug/kg	0.185	0.333

168272

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603-1**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201160337**				
Client Sample:	**QC for batch 558732**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**LCS for batch 558732**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**558733**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/21/2006 17:52**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/16/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		3.38	ug/kg	0.161	0.333
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		3.72	ug/kg	0.116	0.333
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (I *Hexachlorobiphenyl (156)*		3.93	ug/kg	0.124	0.333
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*		4.01	ug/kg	0.216	0.333
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		3.34	ug/kg	0.108	0.333
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		3.26	ug/kg	0.219	0.333
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		3.45	ug/kg	0.101	0.333
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		3.59	ug/kg	0.096	0.333
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		3.33	ug/kg	0.105	0.333
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		3.64	ug/kg	0.106	0.333

168273

PCB

Certificate of Analysis
Sample Summary

SDG Number:	168603-1	Date Collected:	08/03/2006 13:50	Matrix:	SOIL
Lab Sample ID:	1201160338	Date Received:	08/05/2006 09:25	%Moisture:	39.7
Client Sample:	QC for batch 558732	Client:	GCAL001	Project:	QC
Client ID:	20608043405,06,07(168604001)MS	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 18:45	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	15 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		13.3	ug/kg	0.641	1.11
2051-24-3	Decachlorobiphenyl		10.1	ug/kg	1.11	1.11
34883-43-7	2,4'-Dichlorobiphenyl (8)		13.1	ug/kg	0.774	1.11
37680-65-2	2,2',5-Trichlorobiphenyl (18)		10.6	ug/kg	0.921	1.11
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		12.7	ug/kg	0.685	1.11
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		14.1	ug/kg	0.621	1.11
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		11.1	ug/kg	0.454	1.11
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		13.1	ug/kg	0.394	1.11
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		11.5	ug/kg	0.489	1.11
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		13.9	ug/kg	0.579	1.11
38380-02-8	Pentachlorobiphenyl (87)	P	11.0	ug/kg	0.732	1.11
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		12.5	ug/kg	0.990	1.11
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		12.5	ug/kg	0.433	1.11
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		11.3	ug/kg	0.880	1.11
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		11.8	ug/kg	0.632	1.11
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		12.6	ug/kg	0.370	1.11
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		12.1	ug/kg	0.388	1.11
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		11.2	ug/kg	0.533	1.11
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		12.2	ug/kg	0.807	1.11
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		11.5	ug/kg	0.410	1.11
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		11.3	ug/kg	0.613	1.11

168274

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**168603-1**	**Date Collected:**	**08/03/2006 13:50**	**Matrix:**	**SOIL**
Lab Sample ID:	**1201160338**	**Date Received:**	**08/05/2006 09:25**	**%Moisture:**	**39.7**
Client Sample:	**QC for batch 558732**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**20608043405,06,07(168604001)MS**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**558733**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**08/21/2006 18:45**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/16/2006 10:00**	**Aliquot:**	**15 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		10.8	ug/kg	0.533	1.11
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		12.0	ug/kg	0.386	1.11
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*		12.7	ug/kg	0.411	1.11
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*		12.6	ug/kg	0.715	1.11
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		10.4	ug/kg	0.359	1.11
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		10.1	ug/kg	0.726	1.11
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		11.2	ug/kg	0.336	1.11
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		11.8	ug/kg	0.318	1.11
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		10.4	ug/kg	0.348	1.11
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		11.5	ug/kg	0.352	1.11

168275

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603-1	Date Collected:	08/03/2006 13:50	Matrix:	SOIL
Lab Sample ID:	1201160339	Date Received:	08/05/2006 09:25	%Moisture:	39.7
Client Sample:	QC for batch 558732	Client:	GCAL001	Project:	QC
Client ID:	20608043405,06,07(168604001)MSD	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 19:11	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	15 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		13.3	ug/kg	0.641	1.11
2051-24-3	Decachlorobiphenyl		10.3	ug/kg	1.11	1.11
34883-43-7	2,4'-Dichlorobiphenyl (8)		12.2	ug/kg	0.774	1.11
37680-65-2	2,2',5-Trichlorobiphenyl (18)		10.2	ug/kg	0.921	1.11
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		12.3	ug/kg	0.685	1.11
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		13.8	ug/kg	0.621	1.11
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		10.7	ug/kg	0.454	1.11
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		12.6	ug/kg	0.394	1.11
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		11.3	ug/kg	0.489	1.11
37680-73-2	2,2',4.5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		13.9	ug/kg	0.579	1.11
38380-02-8	Pentachlorobiphenyl (87)	P	11.0	ug/kg	0.732	1.11
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		12.6	ug/kg	0.990	1.11
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		12.5	ug/kg	0.433	1.11
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		11.5	ug/kg	0.880	1.11
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		11.8	ug/kg	0.632	1.11
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		12.6	ug/kg	0.370	1.11
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		12.3	ug/kg	0.388	1.11
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		11.2	ug/kg	0.533	1.11
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		12.5	ug/kg	0.807	1.11
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		11.4	ug/kg	0.410	1.11
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		11.5	ug/kg	0.613	1.11

168276

PCB
Certificate of Analysis
Sample Summary

SDG Number:	168603-1	Date Collected:	08/03/2006 13:50	Matrix:	SOIL
Lab Sample ID:	1201160339	Date Received:	08/05/2006 09:25	%Moisture:	39.7
Client Sample:	QC for batch 558732	Client:	GCAL001	Project:	QC
Client ID:	20608043405,06,07(168604001)MSD	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	558733	Inst:	ECD8A.I	Dilution:	1
Run Date:	08/21/2006 19:11	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	08/16/2006 10:00	Aliquot:	15 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		11.0	ug/kg	0.533	1.11
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		12.2	ug/kg	0.386	1.11
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*		12.8	ug/kg	0.411	1.11
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (. *Hexachlorobiphenyl (157)*		12.9	ug/kg	0.715	1.11
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		10.6	ug/kg	0.359	1.11
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		10.2	ug/kg	0.726	1.11
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		11.2	ug/kg	0.336	1.11
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		11.9	ug/kg	0.318	1.11
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		10.6	ug/kg	0.348	1.11
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		11.6	ug/kg	0.352	1.11

168277

MISCELLANEOUS DATA

168278

General Engineering Laboratories
Form GEL-NCR
Rev. 06/05

NCR Report No.: 350448
Revision No.: 1

COMPANY - WIDE NONCONFORMANCE REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
25-AUG-06	Federal	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
GC/ECD	SW846 8082	Solid	GCAL
Batch ID:	**Sample Numbers:**		
558733	See Below		

Potentially affected work order(s)(SDG): 168604(168603-1)

Application Issues:

Failed Recovery for MS/PS

Failed Recovery for LCS/LCSD

Specification and Requirements Nonconformance Description:	NRG Disposition:
1. Failed Recovery for MS/MSD: QC 1201160338MS	1. The MS recoveries for this SDG were not within the acceptance limits. Analyte 101 fails with a positive bias on both columns. The recovery confirms in the matrix spike duplicate and are attributed to matrix interference.

Originator's Name:
Khoung Yib 25-AUG-06

Data Validator/Group Leader:
Cameron Bearden 25-AUG-06

Quality Review:

Director:

168279

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	4487	206080820 ~~206080434~~ mr	8-11-06
	Client Name	Client #	Workorder #	Due Date

Report to:
Client: PB&W
Address:
Contact: Eric Pastor
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number:
Project Name/Number: Gulfco Marine Maintenance Superfund

Sampled By: Kathy Garcia Benchmark Ecological Services, Inc.

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	VOC	SVOC	Total Metals	Dissolved Metals	Pesticides	PCBs	TSS	Congeners *	Matrix Spike	Matrix Spike Dup.	Remarks:	Lab ID
W	8/2/06	08:45		X	FWPSW01-001	HCl, HNO3, 4°C	12	X	X	X	X	X	X	X	X				1
				X	FWPSW01-001-ms/msd		22	X	X	X	X	X	X		X	X	X	MS/MSD	2, 3
		09:00		X	SW-600		11	X	X	X	X	X	X		X				4
		09:40		X	FWPSW02-002		10	X	X	X	X	X	X	X					
		10:00		X	FWPSW03-003		10	X	X	X	X	X	X	X					
		08:45		X	FWP-02	HCl, 4°C	3	X										Trip Blank	
		10:25		X	SPSW01-001	HCl, HNO3, 4°C	10	X	X	X	X	X	X	X					
		10:45		X	SPSW02-002		10	X	X	X	X	X	X	X					
		11:30		X	SPSW03-003		10	X	X	X	X	X	X	X					
		11:45		X	SP-004-FB		8	X	X	X		X	X						

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kathy M. Garcia		8-3-06	17:30
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Ted		8-4-06	950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: * PCB congeners are in this workorder only.

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

168280

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	2060804134	8-11-06
	Client Name	Client #	Workorder #	Due Date

Report to:
Client: PB & W
Address:
Contact: Eric Pastor
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number:
Project Name/Number: Gulfco Marine Maintenance Superfund Site

Sampled By: Katy Garcia Benchmark Ecological Services, Inc.

Lab use only:
Custody Seal used [x] yes [ ] no
in tact [ ] yes [ ] no
Temperature °C 3

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	VOC	SVOC	Metals	Pesticides	PCBs	TOC	Grain size *	PCB congeners *	% M	Matrix Spike	Matrix Spike Dup.	Remarks:	Lab ID
S	8/2/06	13:50		X	FWPSE01-001-(0-0.5)	4°C	5	X	X	X	X	X	X	X	X	X				5
				X	FWPSE01-001-(0-0.5)-MS/MSD		7	X	X	X	X	X			X	X	X	X	MS/MSD	6,7
		14:05		X	SE-501-(0-0.5)		4	X	X	X	X	X	X		X	X				8
		14:20		X	FWPSE04-004-(0-0.5)		4	X	X	X	X	X	X	X						
		15:00		X	FWPSE02-002-(0-0.5)		4	X	X	X	X	X	X	X						
		15:25		X	FWPSE03-003-(0-0.5)		4	X	X	X	X	X	X	X						
		15:50		X	FWPSE05-005-(0-0.5)		4	X	X	X	X	X	X	X						
W		16:15		X	FWPSE-006-EB	HCl, HNO3, 4°C	8	X	X	X	X	X								
W		13:50		X	FWP-003	HCl, 4°C	3	X											Trip Blank	

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Katy M Garcia 8-3-06 17:30			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		8/4/06	950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: *PCB congeners are in this 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

168281

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206080434	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	45724	**Created:**	8/4/2006 13:56
Client:	4482 - Pastor, Behling, & Wheeler	**QA:**	
Profile:	78418 - GULFCO - Gulfco Marine Maintenance Site	**PO:**	1352

WORKORDER SAMPLES

Container ID	Type	Preservative	pH PRESERVATIVE A	pH PRESERVATIVE U	pH PRESERVATIVE N\A	VOA HEADSPACE A	VOA HEADSPACE U	VOA HEADSPACE N\A	CONTAINER CONDITION
20608043405-1	4	NONE			X			X	OK
20608043406-1	4	NONE			X			X	OK
20608043407-1	4	NONE			X			X	OK
20608043408-1	4	NONE			X			X	OK

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

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

LABEL(S) VERIFIED PBG CUSTODIAN MA

168282

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206080820	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	45832	**Created:**	8/8/2006 11:28
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**
20608043401-1	LA	NONE			X			X	OK
20608043401-2	LA	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043402-1	LA	NONE			X			X	OK
20608043402-2	LA	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043403-1	LA	NONE			X			X	OK
20608043403-2	LA	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608043404-1	LA	NONE			X			X	OK
20608043404-2	LA	NONE			X			X	OK

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

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

LABEL(S) VERIFIED RBG CUSTODIAN

168283

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 08/21/2006

GCAL Report 206080819

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Dr Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Eric Matzner

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080819

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

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

168285

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 206080819

THIS REPORT CONTAINS 13 PAGES.

168286

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20608081901	FWPSE01-001-(0-0.5)	Solid	08/02/2006 13:50	08/04/2006 09:50
20608081902	FWPSE04-004-(0-0.5)	Solid	08/02/2006 14:20	08/04/2006 09:50
20608081903	FWPSE02-002-(0-0.5)	Solid	08/02/2006 15:00	08/04/2006 09:50
20608081904	FWPSE03-003-(0-0.5)	Solid	08/02/2006 15:25	08/04/2006 09:50
20608081905	FWPSE05-005-(0-0.5)	Solid	08/02/2006 15:50	08/04/2006 09:50

206080819

TRANSMITTAL

STE

Soil Testing Engineers, Inc.

To: **Gulf Coast Analytical Laboratories, Inc.**
7979 GSRI Ave.
Baton Rouge, LA 70820

Date: August 15, 2006
Job No.: 06-7075
Project: 206080819

Attention: **Dana Merrill**

From: George L. Perkins, C.E.T.

COPIES	DESCRIPTION
1	Gradation Curves
1	Chain of Custody

THESE ARE TRANSMITTED:

■ **FOR YOUR USE** ☐ **FOR REVIEW & COMMENT** ■ **AS REQUESTED**

☐ **REVISE AS NOTED** ☐ **TO BE DISTRIBUTED**

REMARKS: _____

AASHTO Accredited Laboratory
LELAP Certificate No. 02052

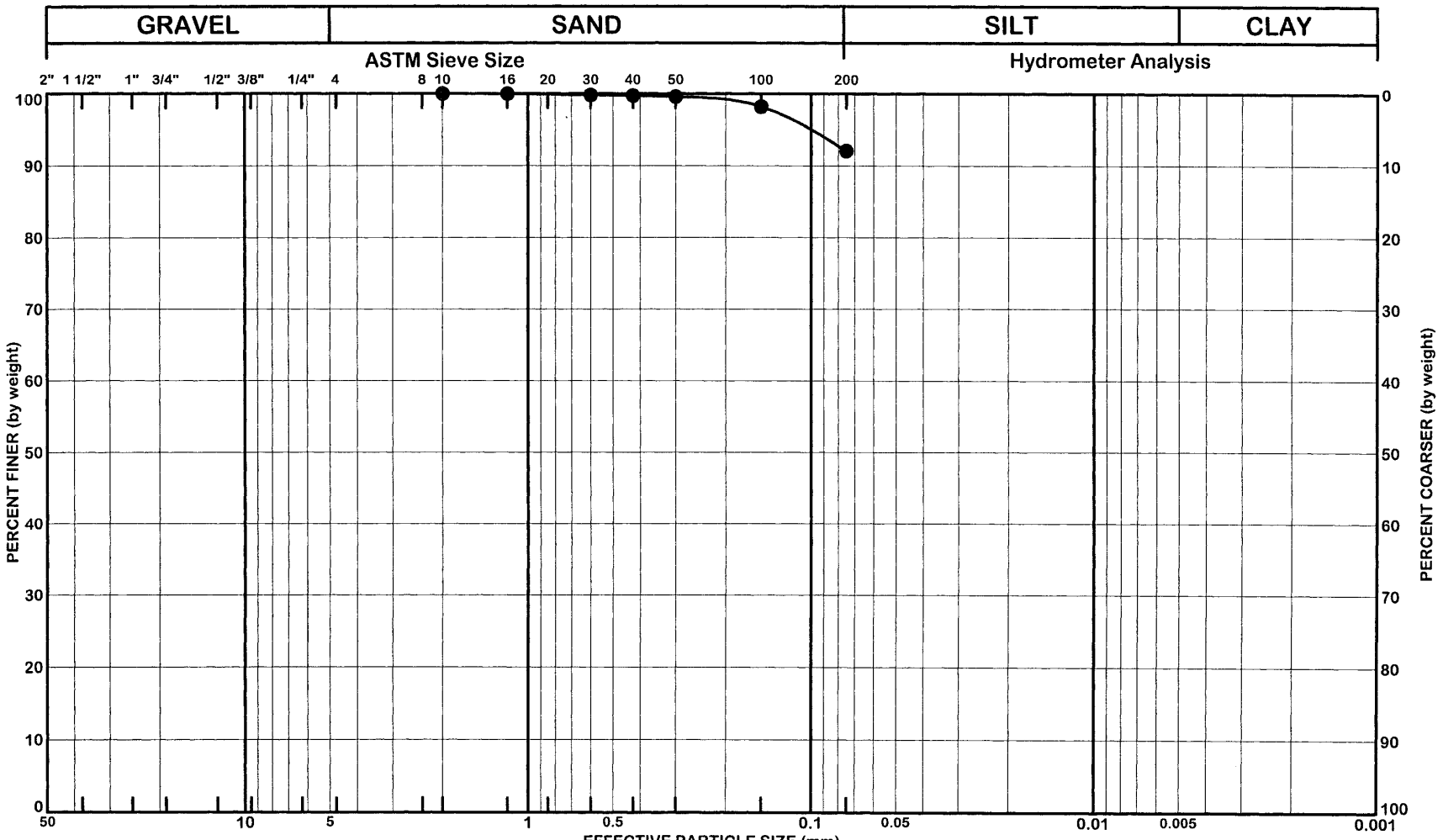
316 HIGHLANDIA DRIVE
BATON ROUGE, LA 70810
(225) 752-4790 FAX: (225) 752-4878

000005

168288

Sample No.	Identification	Gravel (%)	Sand (%)
● 20608081901	FWPSE01-001-(0-0.5)	0.0	7.9

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

Gulf Coast Analytical-206080819
Baton Rouge, LA

STE
Soil Testing Engineers, Inc.

GRAIN SIZE ANALYSIS

File No.: 06-7075
Date: 8/15/2006

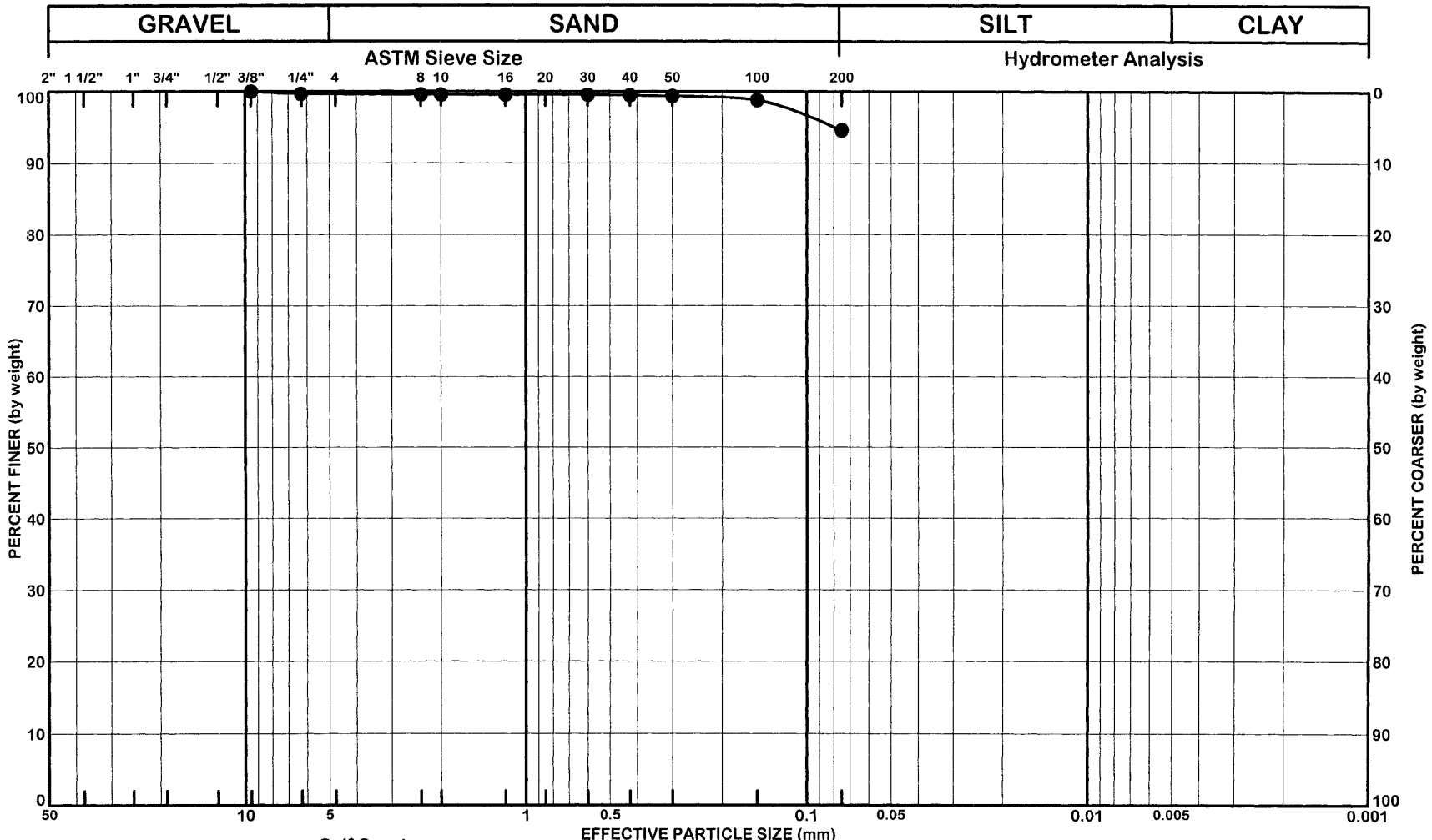
STE_GRAINSZ01 06-7075.GPJ GRAINSZ.GDT 08/15/06

900069

168289

Sample No.	Identification	Gravel (%)	Sand (%)
● 20608081902	FWPSE04-004-(0-0.5)	0.4	5.0
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080819
Baton Rouge, LA

GRAIN SIZE ANALYSIS

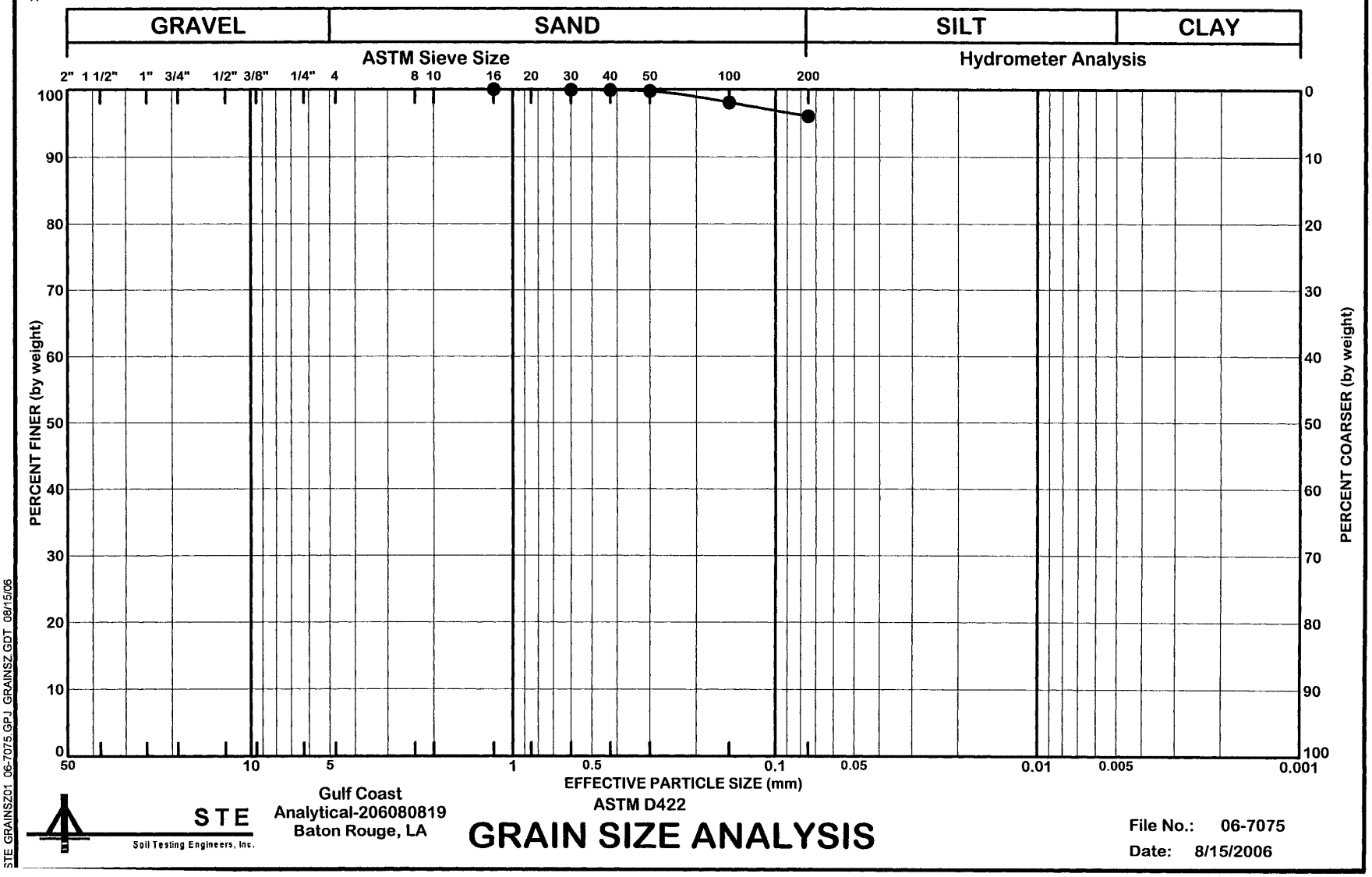
File No.: 06-7075
Date: 8/15/2006

STE_GRAINSZ01 06-7075.GPJ GRAINSZ.GDT 08/15/06

168290

Sample No.	Identification	Gravel (%)	Sand (%)
● 20608081903	FWPSE-02-002-(0-0.5)	0.0	4.0
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080819
Baton Rouge, LA

ASTM D422

GRAIN SIZE ANALYSIS

File No.: 06-7075
Date: 8/15/2006

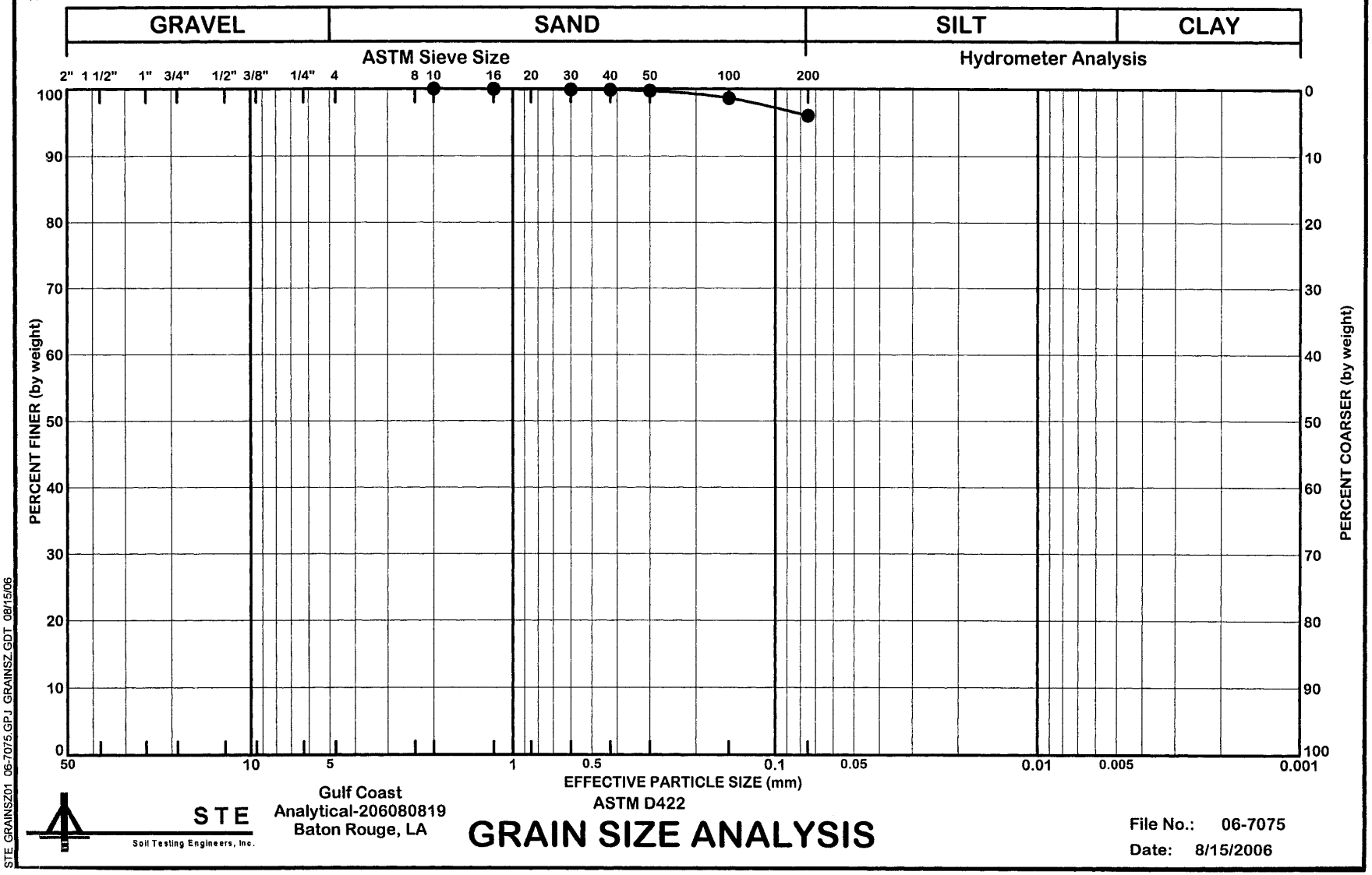
STE GRAINSZ01 06-7075.GPJ GRAINSZ.GDT 08/15/06

800660

168291

Sample No.	Identification	Gravel (%)	Sand (%)
● 20608081904	FWPSE03-003-(0-0.5)	0.0	4.0
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

STE
Soil Testing Engineers, Inc.

Gulf Coast
Analytical-206080819
Baton Rouge, LA

GRAIN SIZE ANALYSIS

File No.: 06-7075
Date: 8/15/2006

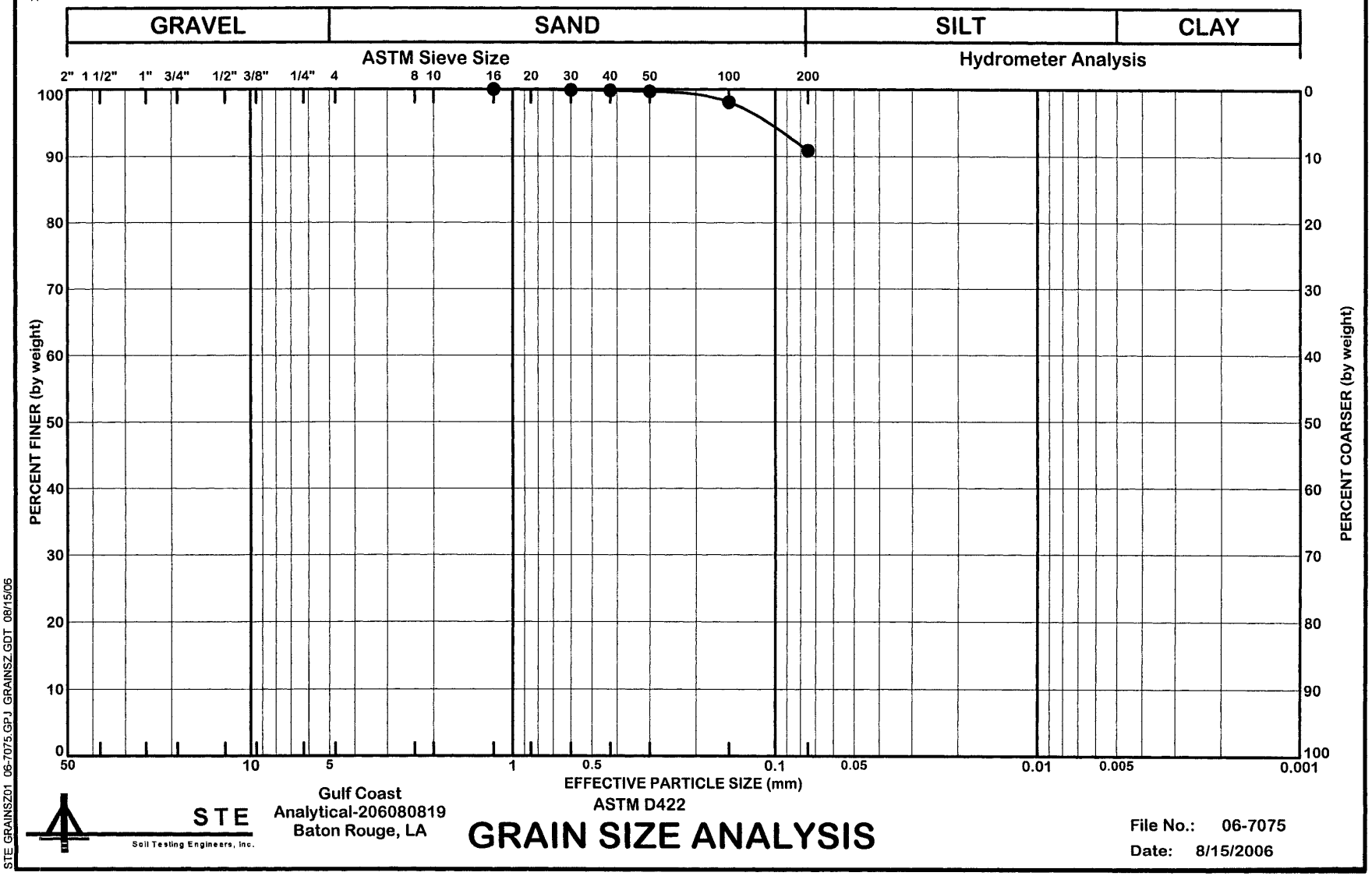
STE GRAINSZ01 06-7075.GPJ GRAINSZ.GDT 08/15/06

600060

168292

Sample No.	Identification	Gravel (%)	Sand (%)
● 20608081905	FWPSE05-005-(0-0.5)	0.0	9.1
⊠			
▲			
★			

AASHTO Accredited Laboratory
LELAP Certificate No. 02052



ASTM D422

Gulf Coast
Analytical-206080819
Baton Rouge, LA

STE
Soil Testing Engineers, Inc.

GRAIN SIZE ANALYSIS

File No.: 06-7075
Date: 8/15/2006

STE GRAINSZ01 06-7075.GPJ GRAINSZ.GDT 08/15/06

070010

168293

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI AVE, BATON ROUGE LA 70820-7402
(225) 769-4900 FAX (225) 767-5717

06-7075

Soil Testing Engineers
316 Highlandia Drive
Baton Rouge, LA 70884

George Perkins
752-4790
GCAL COURIER

Chain of Custody Record

Submitted by	Bill to
Client: Gulf Coast Analytical Labs	Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue	Address: 7979 GSRI Avenue
Baton Rouge, LA 70820	Baton Rouge, LA 70820
Contact: Dana Merrill	Contact: Accounts Payable
Phone: (225)769-4900	Phone: (225)769-4900
Fax: (225)767-5717	Fax: (225)767-5717

* Our P. O. Number must appear on the Invoice.

* Our Project Number must appear on the final report.

P.O. Number: 060968

Project Name/Number: 206080819

Sampled By: 4482

Analysis Requested: GRAIN SIZE ASTM C-136

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	Remarks:	Lab ID
S	8/2/06	1350		X	FWPSE01-001-(0-0.5)	N/A	1	X 20608081901	7075-01
S	8/2/06	1420		X	FWPSE04-004-(0-0.5)	N/A	1	X 20608081902	-02
S	8/2/06	1500		X	FWPSE02-002-(0-0.5)	N/A	1	X 20608081903	-03
S	8/2/06	1525		X	FWPSE03-003-(0-0.5)	N/A	1	X 20608081904	-04
S	8/2/06	1550		X	FWPSE05-005-(0-0.5)	N/A	1	X 20608081905	-05

Turn Around Time: 24 - 48 hrs **3 days** 1 week X standard other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Dan Holland	8-9-06	0800
Dan Holland		8/9/06	8:25 AM
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: Level IV Package

Please fax results to (225)769-4900

PLEASE RETURN ICE CHESTS TO 7979 GSRI AVE.

Matrix: W = water, S=Soil, SD=Solid, L=Liquid, SL=Sludge, O=Oil, CT=Charcoal Tube, OVM=Organic Vapor Monitor, XT=XAD Tube, A=Air Bag, SUM=Summa Canister

00011

168294

GCAL

CHAIN OF CUSTODY RECORD

Client Name: 8BW | Client #: 4482 | Workorder #: 206080819 ~~206080431~~ mn | Due Date: 8-11-06

Report to:
Client: PB & W
Address:
Contact: Eric Paster
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number:
Project Name/Number: Gulfco Marine Maintenance Superfund Site
Sampled By: Katy Garcia Benchmark Ecological Services Inc

Analytical Requests & Method

Lab use only:
Custody Seal: used ☑ yes ☐ no; intact ☑ yes ☐ no
Temperature C: 3

Matrix	Date	Time	Sample Description	Preservative	Cont.	VOC	SVOC	Metals	Pesticides	PCBs	TOC	Grain size *	PCB Congeners *	% M	Matrix Spike	Matrix Spike Dup	Remarks:	Lab ID
S	8/2/06	13:50	X FWPSE01-001-(0-0.5)	4°C	5	X	X	X	X	X	X	X	X	X				1
			X FWPSE01-001-(0-0.5)-MS/MSD		7	X	X	X	X	X			X	X	X	X	MS/MSD	~~1~~ mn
		14:05	X SE-501-(0-0.5)		4	X	X	X	X	X	X		X	X			~~2~~ mn	~~4~~ mn
		14:20	X FWPSE04-004-(0-0.5)		4	X	X	X	X	X	X	X		X			-2	~~5~~ mn
		15:00	X FWPSE02-002-(0-0.5)		4	X	X	X	X	X	X	X		X			-3	~~6~~ mn
		15:25	X FWPSE03-003-(0-0.5)		4	X	X	X	X	X	X	X		X			-4	~~7~~ mn
		15:50	X FWPSE05-005-(0-0.5)		4	X	X	X	X	X	X	X		X			-5	~~8~~ mn
W		16:15	X FWPSE-006-EB	HCl, HNO3, 4°C	8	X	X	X	X	X								~~9~~ mn
W		15:50	X FWP-003	HCl, 4°C	3	X											Trip Blank	~~10~~ mn

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Katy M Garcia 8-3-06 17:30			
Relinquished by: (Signature)	Received by: (Signature)	Date: 8-4-06	Time: 950
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: * Grain size is in this workorder only. ~~* PCB congeners & Grain size are in a separate workorder.~~ mn

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

Matrix: W = water S = soil SD = solid L = liquid SL = sludge [illegible] CT = [illegible] A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5[illegible]

WHITE CLIENT FINAL [illegible]

000012

168295

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206080819	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	45831	**Created:**	8/8/2006 10:44
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**
20608081901-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608081902-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608081903-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608081904-1	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20608081905-1	4	NONE			X			X	OK

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

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

LABEL(S) VERIFIED RBG CUSTODIAN

000013

168296

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 GEL – Charleston, SC	Laboratory Job No.: GCAL - 206080915* GEL - 167394			
Reviewer: (QAA, L.L.C.) DAF	Date Checked: 9/12/06			
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	12.
13. Calibration data acceptable?	X			ecd8a 072506
14. ICV and CCV recoveries within project control limits?		X		14.
15. ICB and CCB results <RL (MQL)?			X	
16. Internal standard areas within project control limits?			X	
Laboratory EDD				
17. Field sample IDs included?		X		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			in ug/kg
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			
40. Completeness percentage within project limits?	X			

168297

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

* set was originally logged in as 206071714 and then changed to 206080915 when separated from surface water samples

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

Two TAs failed CCV acceptance criteria on one column for this SDG.

Elemental mercury and alumina cleanup used for sample extracts

12. GEL laboratory packages do not include quantitation reports, chromatograms, or MDL/DCS documentation. Since all samples are ND and all QC information is available on summary forms, no further action was taken.

14. %D for CCVs outside criteria as follows. No flagging as both TAs are ND in the sample and thus not affected by negative bias (negative %D) on just one column or positive bias (positive %D) on either column.

CCV1	Tetrachlorobiphenyl (77)	-16%
CCV1-End	2,2',5-Trichlorobiphenyl (18)	+18%

17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL). Also, this sample was originally logged in as Lab ID 20607171403 and the ID was not changed when the work order number was changed as noted above.

34. Sample batched with an MS/MSD prepared using a soil boring from the site. Data not used to assess quality for this on-site sediment. LCS/LCSD used to assess accuracy and precision. Note also that an MS/MSD was prepared using an on-site sediment for set 206072604 and the pair passed all QC requirements.

SET SUMMARY
LABORATORY JOB NO.: 206080915

1	Number of Field Samples including Field Duplicates (0)
0	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 for the intended use

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 08/14/2006

GCAL Report 206080915

Deliver To	Pastor, Behling, & Wheeler 2201 Double Creek Dr Suite 4004 Round Rock, TX 78664 512-671-3434
Attn	Eric Matzner

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206080915

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.

See Sub-contract laboratory narrative.

Laboratory Endorsement

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Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
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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
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B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

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

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

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

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206080915

THIS REPORT CONTAINS 70 PAGES.
subcontract report

~~000003~~ DLH 8/21/06

168302

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20607171403	NC1SE09-009-(0-0.5)	Solid	07/14/2006 12:20	07/15/2006 10:20

GULF COAST ANALYTICAL LABORATORIES, INC.
PCB Congener Project
Project No. 206071714
SDG# 167394

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Cooler Receipt Checklist **7**

Data Review Qualifier Flag Definiton Sheet **9**

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Sample Data 23
Standards Data 26
Quality Control Data 64

GENERAL NARRATIVE

168306

CASE NARRATIVE
For
GULF COAST ANALYTICAL LABORATORIES, INC.
Baton Rouge, LA
Project No. 206071714
SDG# 167394

August 3, 2006

Laboratory Identification:

General Engineering Laboratories, LLC

Mailing Address:

P.O. Box 30712
Charleston, South Carolina 29417

Express Mail Delivery and Shipping Address:

2040 Savage Road
Charleston, South Carolina 29407

Telephone Number:

(843) 556-8171

Summary:

Sample receipt

The sample(s) from Gulf Coast Analytical Laboratories, Inc. arrived at General Engineering Laboratories, LLC (GEL) located in Charleston, South Carolina on July 19, 2006 for environmental analyses. The sample containers arrived unbroken without any signs of tampering. The sample containers were delivered with chain of custody documentation and signatures. The shipping container temperature upon receipt was 3°C.

Sample(s) logged by the laboratory:

Laboratory Identification	Sample Description
167394001	20607171403

Case Narrative

Sample analyses were conducted using methodology as outlined in General Engineering Laboratories (GEL). Any technical or administrative problems during analysis, data review, or reductions are listed in the individual analytical case narratives.

Internal Chain of Custody:

Custody was maintained for the sample(s).

Data Package:

The enclosed data package contains the following sections: General Case Narrative, Data Qualifier Flags, Chain of custody, Cooler Receipt Checklist, PCB Congener Analysis.

The following are definitions of reporting limits used at General Engineering Laboratories:

DL — Detection Limit: The minimum level of an analyte that can be determined (identified not quantified) with 99% confidence. The values are normally achieved by preparing and analyzing seven aliquots of laboratory water spiked 1 to 5 times the estimated MDL, taking the standard deviation and multiplying it against the one-tailed t-statistic at 99%. This computed value may then be verified for reasonableness by repeating the study using the concentration found in the initial study, calculating an F-ratio, and computing the final limit. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The detection limit is the minimum concentration of a substance that can be identified, measured, and reported with 99% confidence that the analyte concentration is above zero. It answers the question "Is It Present"

QL — Quantitation Limit: The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The QL is generally 5 to 10 times the MDL.

However, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes the QL analyte concentration is selected as the lowest non-zero standard in the calibration curve.

Sample QL's are highly matrix-dependent. Sample specific preparation and dilution factors are applied to these limits when they are reported.

The QL is always greater than the DL.

This data package, to the best of my knowledge, is in compliance with technical and administrative requirements.

David J. Setzer
Project Manager

CHAIN OF CUSTODY

168310

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI AVE, BATON ROUGE LA 70820-7402
(225) 769-4900 FAX (225) 767-5717

Ship to: General Engineering Labs
2040 Savage Road
Charleston, SC 29407

Attn: Tasha Horton
PH: 843-556-8171
Ship Via: FEDEX

Chain of Custody Record

Submitted by
Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue
Baton Rouge, LA 70820
Contact: Dana Merrill
Phone: (225)769-4900
Fax: (225)767-5717

Bill to
Client: Gulf Coast Analytical Labs
Address: 7979 GSRI Avenue
Baton Rouge, LA 70820
Contact: Accounts Payable
Phone: (225)769-4900
Fax: (225)767-5717

P.O. Number: 060863
Project Name/Number: 206071714
Sampled By: 4482

Analysis Requested

* Our P. O. Number must appear on the Invoice.
* Our Project Number must appear on the final report.

EDD REQUESTED
Report both standard MDLs and PQLs for standard list.

Matrix	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No. Containers	PCB CONGENERS	Remarks:	Lab ID
S	7/14/06	1220			NC1SE09-009-(0-0.5)	NA	1	X	20607171403	167394

Turn Around Time: 24 - 48 hrs | 3 days | 1 week | standard | other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fedex	7-18-06	1700
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		7/19/06	1000
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
Level IV Package , CLP Like deliverable, 21 day TAT

Please fax results to (225)769-4900
PLEASE RETURN ICE CHESTS TO 7979 GSRI AVE.

Matrix: W = water, S=Soil, SD=Solid, L=Liquid, SL=Sludge, O=Oil, CT=Charcoal Tube, OVM=Organic Vapor Monitor, XT=XAD Tube, A=Air Bag, SUM=Summa Canister

168311

COOLER RECEIPT CHECKLIST

168312

CHAIN OF CUSTODY

168313

COOLER
RECEIPT
CHECKLIST

168314

SAMPLE RECEIPT & REVIEW FORM

PM use only

Client: GCAL	SDG/ARCOC/Work Order: 167394
Date Received: 7/19/06	PM(A) Review (ensure non-conforming items are resolved prior to signing): MSW
Received By:	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other (describe)
2	Samples requiring cold preservation within (4 +/- 2 C)? Record preservation method.	✓			Circle Coolant # ice bags blue ice dry ice none other describe) 3°
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Sample ID's, containers affected and observed pH:
6	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
7	Are Encore containers present? (If yes, immediately deliver to VOA laboratory)			✓	
8	Samples received within holding time?	✓			Id's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
12	COC form is properly signed in relinquished/received sections?	✓			
14	Air Bill ,Tracking #'s, & Additional Comments	7180 0049 8917			

	Suspected Hazard Information	Non-Regulated	Regulated	High Level	RSO RAD Receipt # _____ *If > x2 area background is observed on samples identified as "non-regulated/non-radioactive", contact the Radiation Safety group for further investigation.
A	Radiological Classification?	✓			Maximum Counts Observed*: 30 CPM
B	PCB Regulated?	✓			Comments:
C	Shipped as DOT Hazardous Material? If yes, contact Waste Manager or ESH Manager.	✓			Hazard Class Shipped: UN#:

PM (or PMA) review of Hazard classification: MSW Initials 7/20/06 Date:

168315

DATA REVIEW QUALIFIER FLAG DEFINITION SHEET

168316

General Engineering Laboratories, LLC

DATA QUALIFIERS FOR ORGANIC ANALYSES

Data Qualifiers used on Form 1s or Certificates of Analysis (COA) follow the specifications set forth in the technical specifications of the most current CLP Statement of Work and are defined as follows:

Section	Explanation	Location
A	The TIC is suspected aldol-condensation product.	COA, Form 1, and EDD
B	Analyte was detected in the associated method blank as well as in the sample.	COA, Form 1, and EDD
C	Pesticide analyte has been confirmed by GC/MS.	COA, Form 1, and EDD
D	Analyte(s) quantified in an analysis performed at a secondary dilution factor.	COA, Form 1, and EDD
E	Identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.	COA, Form 1, and EDD
J	This flag indicates an estimated value concerning either, (1) estimating a concentration for tentatively identified compounds (TICs), or (2) analyte detected at a level less than the RDL or PQL and greater than or equal to the MDL.	COA, Form 1, and EDD
N	Presumptive evidence based upon a mass spectral library search to make a tentative identification of the analyte.	COA, Form 1, and EDD
NJ	Analyte has been tentatively identified and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard.	COA, Form 1, and EDD
P	- Pesticide/PCB target analyte that is greater than 25% difference for the detected concentrations between the two GC columns. - HPLC target analyte that is greater than 40% difference for the detected concentrations between detectors or columns.	Form 1 and EDD
U	Compound analyzed for but not detected (sample quantitation limit has been adjusted to reflect dilutions and percent moisture).	COA, Form 1, and EDD
X	Other reporting flag as defined in report narrative.	COA, Form 1, and EDD
**	Laboratory Control Sample recovery outside of acceptance limit.	QC Summary Report

All surrogate recoveries and acceptance ranges are reported at the bottom of Form 2 or COA.

168317

GC SEMIVOLATILE PCB ANALYSIS

168318

PCB Case Narrative
Gulf Coast Analytical Labs, LLC (GCAL)
SDG 167394

Method/Analysis Information

Procedure:	**Polychlorinated Biphenyls by ECD**
Analytical Method:	SW846 8082
Prep Method:	SW846 3550B
Analytical Batch Number:	550549
Prep Batch Number:	550548

Sample Analysis

The following samples were analyzed using the analytical protocol as established in SW846 8082:

Sample ID	Client ID
167394001	20607171403
1201141176	Method Blank (MB)
1201141177	Laboratory Control Sample (LCS)
1201142185	Laboratory Control Sample Duplicate (LCSD)
1201141677	167603001(20607200201) Matrix Spike (MS)
1201141678	167603001(20607200201) Matrix Spike Duplicate (MSD)

Preparation/Analytical Method Verification

Procedures for preparation, analysis, and reporting of analytical data are documented by General Engineering Laboratories, LLC. (GEL) as Standard Operating Procedures (SOP).

Raw data reports are processed and reviewed by the analyst using the Target software package. False positives have been removed from the Target quantitation reports per standard operating procedures (SOP) section 23.0.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All calibration verification standards (CVS, ICV, or CCV) requirements have not been met for this SDG.

Tetrachlorobiphenyl (77) and 2,2',5-Trichlorobiphenyl (18) did not meet the acceptance criteria with a negative or positive bias on one analytical column in the standards bracketing the samples in this SDG. Since Tetrachlorobiphenyl (77) and 2,2',5-Trichlorobiphenyl (18) were not detected on either column, this non-compliance had no adverse effects on the data.

168319

Quality Control (QC) Information

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A GCAL sample of similar matrix from another SDG (#167603) was selected for the matrix spike and matrix spike duplicate analysis.

Matrix Spike (MS) Recovery Statement
The MS recoveries for this SDG were not within the acceptance limits due to sample matrix interference.

Matrix Spike Duplicate (MSD) Recovery Statement
The MSD recoveries for this SDG were not within the acceptance limits due to sample matrix interference.

MS/MSD Relative Percent Difference (RPD) Statement
The relative percent differences (RPD) between the MS and MSD were not within the required acceptance limits due to sample matrix interference.

Technical Information

Holding Time Specifications
GEL assigns holding times based on the associated methodology, which assigns the date and time from sample collection of sample receipt. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP. Additionally, elemental mercury was added to all sample extracts to remove sulfur. All sample extracts were cleaned using alumina.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
The re-extraction was not performed for the samples in this SDG.

Miscellaneous Information

Electronic Package Comment

The following package was generated using an electronic data processing program referred to as "virtual packaging". In an effort to increase quality and efficiency, the laboratory is developing systems to eventually generate all data packages electronically. The following change from "traditional" packages should be noted:

Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates

168320

are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative of each electronic package will indicate the analyst, reviewer, and report specialist names associated with the generation of the data and package. The data validator will always sign and date the case narrative. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Nonconformance (NCR) Documentation
Nonconformance Reports (NCRs) are for documentation of any procedural anomalies that may deviate from referenced SOP or contractual document. A NCR was not required for this SDG.

Manual Integration
Certain standards and samples may have required manual integration to correctly position the baseline as set in the calibration standard injections. If manual integration was performed, copies of all manual integration peak profiles are included in the raw data section of this PCB fraction.

Additional Comments
The additional comments field is used to address special issues associated with each analysis, clarify method/contractual issues pertaining to the analysis, and to list any report documents generated as a result of sample analysis or review. The following additional comments were required:

The front column has been chosen as the primary column. The data are reported from the front column for all field samples in this batch.

Aroclors quantitated on the raw data report by the Target data system do not necessarily represent positive Aroclor identification. In order for positive identification to be made, the Aroclor must match in pattern and retention time; as well as quantitate relatively close between the primary and confirmation columns, as specified in SW846 method 8000. When these conditions are not met, the Aroclor is reported as a non-detect on the data report. These situations will be noted on the raw data as DMP, representing does not match pattern, or DNC does not confirm.

Due to software limitation, the Form VIIs will display the results either in the % difference or % drift depending on the type of the calibration curve. If the curve of all analytes is generated using an average response factor (RF), the Form VII will display results using the %difference calculation (RF). If the curve of one or more analytes is generated using a linear curve, the Form VII will display results using the % drift calculation (by concentration) for all analytes.

System Configuration

The Semi-Volatiles-PCB analysis was performed on a HP Gas Chromatograph.

Instrument ID	System Configuration	Column ID	Column Description
ECD8A.I_1	HP6890 Series ECD	Rtx-CLP I	30m x 0.25mm, 0.25um (Rtx-CLPesticide I)
ECD8A.I_2	HP6890 Series ECD	Rtx-CLP II	30m x 0.25mm, 0.20um (Rtx-CLPesticide II)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Review Validation:

GEL requires all analytical data to be verified by a qualified data validator. In addition, all data designated for CLP or CLP-like packaging will receive a third level validation upon completion of the data package.

The following data validator verified the information presented in this case narrative:

Reviewer: Jimi Cao **Date:** 8/17/06

168322

QUALITY CONTROL SUMMARY

168323

Surrogate Recovery Report

SDG Number: 167394

Matrix: SOIL

CAP Column (1) : CLP1 **CAP Column (2) : DB-17MS**

Sample ID	Client ID	4CMX 1 %REC #	4CMX 2 %REC #
1201141176	MB for batch 550548	78	81
1201141177	LCS for batch 550548	70	73
1201142185	LCSD for batch 550549	73	76
167394001	20607171403	69	71

Surrogate	Acceptance Limits
4CMX = 4cmx	(54%-125%)

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

168324

Quality Control Summary
Spike Recovery Report

SDG Number:	167394	**Sample Type:**	Laboratory Control Sample		
Client ID:	LCS for batch 550548	**Matrix:**	SOIL		
Lab Sample ID:	1201141177				
Instrument:	ECD8A.I	**Analysis Date:**	07/25/2006 18:37	**Dilution:**	1
Analyst:	KXY1	**Prep Batch ID:**	550548		
Inj. Vol:	1 uL	**Batch ID:**	550549		

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
39635-31-9	LCS	2,3,3',4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (189)*	3.33	0.0	3.42	103	70-130
2051-24-3	LCS	Decachlorobiphenyl	3.33	0.0	2.86	86	57-116
34883-43-7	LCS	2,4'-Dichlorobiphenyl (8)	3.33	0.0	3.69	111	51-138
37680-65-2	LCS	2,2',5-Trichlorobiphenyl (18)	3.33	0.0	2.97	89	68-103
7012-37-5	LCS	2,4,4'-Trichlorobiphenyl (28)	3.33	0.0	3.16	95	68-122
35693-99-3	LCS	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	3.33	0.0	3.52	106	62-132
41464-40-8	LCS	2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	3.33	0.0	2.72	82	70-109
41464-39-5	LCS	2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	3.33	0.0	3.32	100	67-125
32598-10-0	LCS	2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	3.33	0.0	2.87	86	62-110
37680-73-2	LCS	2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	3.33	0.0	3.46	104	59-144
38380-02-8	LCS	Pentachlorobiphenyl (87)	3.33	0.0	2.74	82	62-105
32598-13-3	LCS	3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	3.33	0.0	3.28	98	69-122
65510-44-3	LCS	2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	3.33	0.0	3.11	93	70-130
31508-00-6	LCS	2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	3.33	0.0	2.86	86	63-104
74472-37-0	LCS	2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	3.33	0.0	2.86	86	70-130
74472-48-3	LCS	2,2',3,4,4',6,6'-Heptachlorobi *Heptachlorobiphenyl (184)*	3.33	0.0	3.09	93	67-112
35065-27-1	LCS	2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	3.33	0.0	3.06	92	66-112
32598-14-4	LCS	2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	3.33	0.0	2.84	85	65-105
35065-28-2	LCS	2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	3.33	0.0	3.17	95	64-116
52663-69-1	LCS	2,2',3,4,4',5',6-Heptachlorobi *Heptachlorobiphenyl (183)*	3.33	0.0	2.75	83	68-117
57465-28-8	LCS	3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	3.33	0.0	3.20	96	63-117
38380-07-3	LCS	2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	3.33	0.0	2.87	86	69-105

168325

Quality Control Summary
Spike Recovery Report

SDG Number:	167394	Sample Type:	Laboratory Control Sample
Client ID:	LCS for batch 550548	Matrix:	SOIL
Lab Sample ID:	1201141177		
Instrument:	ECD8A.I	Analysis Date:	07/25/2006 18:37 Dilution:
Analyst:	KXY1	Prep Batch ID:	
Inj. Vol:	1 uL	Batch ID:	550549

CAS No		Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits
52663-72-6	LCS	2,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (167)*	3.33	0.0	3.04	91	70-130
38380-08-4	LCS	2,3,3',4,4',5-Hexachlorobiphei *Hexachlorobiphenyl (156)*	3.33	0.0	3.20	96	65-125
69782-90-7	LCS	2,3,3',4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (157)*	3.33	0.0	3.29	99	70-130
35065-29-3	LCS	2,2',3,4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (180)*	3.33	0.0	2.70	81	72-105
32774-16-6	LCS	3,3',4,4',5,5'-Hexachlorobiphe *Hexachlorobiphenyl (169)*	3.33	0.0	2.83	85	66-128
35065-30-6	LCS	2,2',3,3',4,4',5-Heptachlorobi *Heptachlorobiphenyl (170)*	3.33	0.0	2.94	88	67-111
52663-68-0	LCS	2,2',3,4',5,5',6-Heptachlorobi *Heptachlorobiphenyl (187)*	3.33	0.0	3.03	91	67-115
52663-78-2	LCS	2,2',3,3',4,4',5,6-Octachlorobi *Octachlorobiphenyl (195)*	3.33	0.0	2.83	85	69-113
40186-72-9	LCS	2,2',3,3',4,4',5,5',6-Nonachlor *Nonachlorobiphenyl (206)*	3.33	0.0	3.16	95	64-133

168326

Quality Control Summary
Spike Recovery Report

SDG Number:	167394	Sample Type:	Laboratory Control Sample Duplicate
Client ID:	LCSD for batch 550549	Matrix:	SOIL
Lab Sample ID:	1201142185		
Instrument:	ECD8A.I	Analysis Date:	07/25/2006 19:03
Analyst:	KXY1	Prep Batch ID:	550548
Inj. Vol:	1 uL	Batch ID:	550549

Dilution: 1

CAS No	Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
39635-31-9	LCSD 2,3,3',4,4',5,5'-Heptachlorobi *Heptachlorobiphenyl (189)*	3.33	0.0	3.74	112	70-130	9	0-25
2051-24-3	LCSD Decachlorobiphenyl	3.33	0.0	3.09	93	57-116	8	0-25
34883-43-7	LCSD 2,4'-Dichlorobiphenyl (8)	3.33	0.0	3.76	113	51-138	2	0-25
37680-65-2	LCSD 2,2',5-Trichlorobiphenyl (18)	3.33	0.0	3.04	91	68-103	3	0-25
7012-37-5	LCSD 2,4,4'-Trichlorobiphenyl (28)	3.33	0.0	3.24	97	68-122	3	0-25
35693-99-3	LCSD 2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	3.33	0.0	3.67	110	62-132	4	0-25
41464-40-8	LCSD 2,2',4,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (49)*	3.33	0.0	2.78	83	70-109	2	0-25
41464-39-5	LCSD 2,2',3,5'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (44)*	3.33	0.0	3.45	104	67-125	4	0-25
32598-10-0	LCSD 2,3'4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (66)*	3.33	0.0	2.99	90	62-110	4	0-25
37680-73-2	LCSD 2,2',4,5,5'-Pentachlorobipheny *Pentachlorobiphenyl (101)*	3.33	0.0	3.58	107	59-144	3	0-25
38380-02-8	LCSD Pentachlorobiphenyl (87)	3.33	0.0	2.86	86	62-105	4	0-25
32598-13-3	LCSD 3,3',4,4'-Tetrachlorobiphenyl (*Tetrachlorobiphenyl (77)*	3.33	0.0	3.42	103	69-122	4	0-25
65510-44-3	LCSD 2',3,4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (123)*	3.33	0.0	3.27	98	70-130	5	0-25
31508-00-6	LCSD 2,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (118)*	3.33	0.0	3.01	90	63-104	5	0-25
74472-37-0	LCSD 2,3,4,4',5-Pentachlorobiphenyl *Pentachlorobiphenyl (114)*	3.33	0.0	3.02	91	70-130	6	0-25
74472-48-3	LCSD 2,2',3,4,4',6,6'-Heptachlorobi *Heptachlorobiphenyl (184)*	3.33	0.0	3.29	99	67-112	6	0-25
35065-27-1	LCSD 2,2',4,4',5,5'-Hexachlorob *Hexachlorobiphenyl (153)*	3.33	0.0	3.23	97	66-112	5	0-25
32598-14-4	LCSD 2,3,3',4,4'-Pentachlorobipheny *Pentachlorobiphenyl (105)*	3.33	0.0	3.07	92	65-105	8	0-25
35065-28-2	LCSD 2,2',3,4,4',5'-Hexachlorobiphe *Hexachlorobiphenyl (138)*	3.33	0.0	3.42	103	64-116	8	0-25
52663-69-1	LCSD 2,2',3,4,4',5',6-Heptachlorobi *Heptachlorobiphenyl (183)*	3.33	0.0	2.98	89	68-117	8	0-25
57465-28-8	LCSD 3,3',4,4',5-Pentachlorobipheny *Pentachlorobiphenyl (126)*	3.33	0.0	3.41	102	63-117	6	0-25
38380-07-3	LCSD 2,2',3,3',4,4'-Hexachlorobiphe *Hexachlorobiphenyl (128)*	3.33	0.0	3.15	95	69-105	9	0-25

168327

Quality Control Summary
Spike Recovery Report

SDG Number:	167394	**Sample Type:**	Laboratory Control Sample Duplicate
Client ID:	LCSD for batch 550549	**Matrix:**	SOIL
Lab Sample ID:	1201142185		
Instrument:	ECD8A.I	**Analysis Date:**	07/25/2006 19:03 **Dilution:**
Analyst:	KXY1	**Prep Batch ID:**	
Inj. Vol:	1 uL	**Batch ID:**	550549

CAS No	Parmname	Amount Added ug/kg	Sample Conc. ug/kg	Spike Conc. ug/kg	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
52663–72–6	LCSD 2,3',4,4',5,5'–Hexachlorobiphe *Hexachlorobiphenyl (167)*	3.33	0.0	3.35	101	70–130	10	0–25
38380–08–4	LCSD 2,3,3',4,4',5–Hexachlorobiphei *Hexachlorobiphenyl (156)*	3.33	0.0	3.53	106	65–125	10	0–25
69782–90–7	LCSD 2,3,3',4,4',5'–Hexachlorobiphe *Hexachlorobiphenyl (157)*	3.33	0.0	3.64	109	70–130	10	0–25
35065–29–3	LCSD 2,2',3,4,4',5,5'–Heptachlorobip *Heptachlorobiphenyl (180)*	3.33	0.0	3.00	90	72–105	11	0–25
32774–16–6	LCSD 3,3',4,4',5,5'–Hexachlorobiphe *Hexachlorobiphenyl (169)*	3.33	0.0	3.07	92	66–128	8	0–25
35065–30–6	LCSD 2,2',3,3',4,4',5–Heptachlorobip *Heptachlorobiphenyl (170)*	3.33	0.0	3.21	96	67–111	9	0–25
52663–68–0	LCSD 2,2',3,4',5,5',6–Heptachlorobip *Heptachlorobiphenyl (187)*	3.33	0.0	3.28	99	67–115	8	0–25
52663–78–2	LCSD 2,2',3,3',4,4',5,6–Octachlorobi *Octachlorobiphenyl (195)*	3.33	0.0	3.10	93	69–113	9	0–25
40186–72–9	LCSD 2,2',3,3',4,4',5,5',6–Nonachlor *Nonachlorobiphenyl (206)*	3.33	0.0	3.43	103	64–133	8	0–25

168328

Method Blank Summary

SDG Number:	167394	Client:	GCAL001	Matrix:	SOIL
Client ID:	MB for batch 550548	Instrument ID:	ECD8A.I_1 ECD8A.I_2	Data File:	009f0901.d 009b0901.d
Lab Sample ID:	1201141176	Prep Date:	07/24/2006 10:00	Analyzed:	07/25/06 18:11

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 550548	1201141177	010b1001.d 010f1001.d	07/25/06	1837
02	LCSD for batch 550549	1201142185	011b1101.d 011f1101.d	07/25/06	1903
03	20607171403	167394001	012b1201.d 012f1201.d	07/25/06	1929

168329

SAMPLE DATA

168330

PCB
Certificate of Analysis
Sample Summary

SDG Number:	167394	**Date Collected:**	07/14/2006 12:20	**Matrix:**	SOIL
Lab Sample ID:	167394001	**Date Received:**	07/19/2006 10:00	**%Moisture:**	27.5
Client Sample:	NC1SE09-009-(0-0.5)	**Client:**	GCAL001	**Project:**	GCAL00106
Client ID:	20607171403	**Method:**	SW846 8082	**SOP Ref:**	GL-OA-E-040
Batch ID:	550549	**Inst:**	ECD8A.I	**Dilution:**	1
Run Date:	07/25/2006 19:29	**Analyst:**	KXY1	**Inj. Vol:**	1 uL
Prep Date:	07/24/2006 10:00	**Aliquot:**	23.5 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	0.587	ug/kg	0.340	0.587
2051-24-3	Decachlorobiphenyl	U	0.587	ug/kg	0.587	0.587
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	0.587	ug/kg	0.411	0.587
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	0.587	ug/kg	0.489	0.587
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	0.587	ug/kg	0.364	0.587
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	0.587	ug/kg	0.330	0.587
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	0.587	ug/kg	0.241	0.587
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	0.587	ug/kg	0.209	0.587
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	0.587	ug/kg	0.259	0.587
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	0.587	ug/kg	0.308	0.587
38380-02-8	Pentachlorobiphenyl (87)	U	0.587	ug/kg	0.389	0.587
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	0.587	ug/kg	0.526	0.587
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	0.587	ug/kg	0.230	0.587
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	0.587	ug/kg	0.467	0.587
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	0.587	ug/kg	0.336	0.587
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	0.587	ug/kg	0.197	0.587
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	0.587	ug/kg	0.206	0.587
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	0.587	ug/kg	0.283	0.587
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	0.587	ug/kg	0.428	0.587
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	0.587	ug/kg	0.218	0.587
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	0.587	ug/kg	0.326	0.587

168331

PCB
Certificate of Analysis
Sample Summary

SDG Number:	167394	Date Collected:	07/14/2006 12:20	Matrix:	SOIL
Lab Sample ID:	167394001	Date Received:	07/19/2006 10:00	%Moisture:	27.5
Client Sample:	NC1SE09-009-(0-0.5)	Client:	GCAL001	Project:	GCAL00106
Client ID:	20607171403	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	550549	Inst:	ECD8A.I	Dilution:	1
Run Date:	07/25/2006 19:29	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	07/24/2006 10:00	Aliquot:	23.5 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (128)*	U	0.587	ug/kg	0.283	0.587
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (167)*	U	0.587	ug/kg	0.205	0.587
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	0.587	ug/kg	0.218	0.587
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (157)*	U	0.587	ug/kg	0.380	0.587
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	0.587	ug/kg	0.191	0.587
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (169)*	U	0.587	ug/kg	0.386	0.587
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	0.587	ug/kg	0.178	0.587
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	0.587	ug/kg	0.169	0.587
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	0.587	ug/kg	0.185	0.587
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	0.587	ug/kg	0.187	0.587

168332

STANDARDS DATA

168333

Report Date: 02-Aug-2006 12:06

Calibration History

Method : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m
Start Cal Date: 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
06-JUL-2006 11:52	AR1660	/chem/ecd8a.i/070606c.b/009f0901.d
25-JUL-2006 15:07	CONG1	/chem/ecd8a.i/072506d.b/002f0201.d
Cal Level: 2 , Cal Amount: 50.00000		
06-JUL-2006 12:18	AR1660	/chem/ecd8a.i/070606c.b/010f1001.d
25-JUL-2006 15:33	CONG1	/chem/ecd8a.i/072506d.b/003f0301.d
Cal Level: 3 , Cal Amount: 100.00000		
06-JUL-2006 12:44	AR1660	/chem/ecd8a.i/070606c.b/011f1101.d
25-JUL-2006 16:00	CONG1	/chem/ecd8a.i/072506d.b/004f0401.d
Cal Level: 4 , Cal Amount: 250.00000		
28-JUN-2006 22:37	AR1221	/chem/ecd8a.i/062806c.b/018f1801.d
28-JUN-2006 22:11	AR1232	/chem/ecd8a.i/062806c.b/017f1701.d
28-JUN-2006 21:45	AR1248	/chem/ecd8a.i/062806c.b/016f1601.d
06-JUL-2006 10:08	AR1242	/chem/ecd8a.i/070606c.b/005f0501.d
06-JUL-2006 09:42	AR1254	/chem/ecd8a.i/070606c.b/004f0401.d
06-JUL-2006 13:10	AR1660	/chem/ecd8a.i/070606c.b/012f1201.d
25-JUL-2006 16:26	CONG1	/chem/ecd8a.i/072506d.b/005f0501.d
Cal Level: 5 , Cal Amount: 500.00000		
06-JUL-2006 13:36	AR1660	/chem/ecd8a.i/070606c.b/013f1301.d
25-JUL-2006 16:52	CONG1	/chem/ecd8a.i/072506d.b/006f0601.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 3 , Ccal Amount: 100		
26-JUL-2006 06:47	CONG1	/chem/ecd8a.i/072506d.b/038f3801.d
Ccal Level: 3 , Ccal Amount: 100		
26-JUL-2006 03:44	CONG1	/chem/ecd8a.i/072506d.b/031f3101.d
Ccal Level: 3 , Ccal Amount: 100		

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25-JUL-2006 22:32	CONG1	/chem/ecd8a.i/072506d.b/019f1901.d
Ccal Level: 3 , Ccal Amount: 100		
25-JUL-2006 17:18	CONG1	/chem/ecd8a.i/072506d.b/007f0701.d
Ccal Level: 3 , Ccal Amount: 100		
25-JUL-2006 16:00	CONG1	/chem/ecd8a.i/072506d.b/004f0401.d

168335

Report Date: 02-Aug-2006 12:06

Calibration History

Method : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m
Start Cal Date: 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 10.00000		
06-JUL-2006 11:52	AR1660	/chem/ecd8a.i/070606c.b/009b0901.d
25-JUL-2006 15:07	CONG1	/chem/ecd8a.i/072506d.b/002b0201.d
Cal Level: 2 , Cal Amount: 50.00000		
06-JUL-2006 12:18	AR1660	/chem/ecd8a.i/070606c.b/010b1001.d
25-JUL-2006 15:33	CONG1	/chem/ecd8a.i/072506d.b/003b0301.d
Cal Level: 3 , Cal Amount: 100.00000		
06-JUL-2006 12:44	AR1660	/chem/ecd8a.i/070606c.b/011b1101.d
25-JUL-2006 16:00	CONG1	/chem/ecd8a.i/072506d.b/004b0401.d
Cal Level: 4 , Cal Amount: 250.00000		
28-JUN-2006 22:37	AR1221	/chem/ecd8a.i/062806c.b/018b1801.d
28-JUN-2006 22:11	AR1232	/chem/ecd8a.i/062806c.b/017b1701.d
28-JUN-2006 21:45	AR1248	/chem/ecd8a.i/062806c.b/016b1601.d
06-JUL-2006 10:08	AR1242	/chem/ecd8a.i/070606c.b/005b0501.d
06-JUL-2006 09:42	AR1254	/chem/ecd8a.i/070606c.b/004b0401.d
06-JUL-2006 13:10	AR1660	/chem/ecd8a.i/070606c.b/012b1201.d
25-JUL-2006 16:26	CONG1	/chem/ecd8a.i/072506d.b/005b0501.d
Cal Level: 5 , Cal Amount: 500.00000		
06-JUL-2006 13:36	AR1660	/chem/ecd8a.i/070606c.b/013b1301.d
25-JUL-2006 16:52	CONG1	/chem/ecd8a.i/072506d.b/006b0601.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

Ccal Level: 3 , Ccal Amount: 100		
26-JUL-2006 06:47	CONG1	/chem/ecd8a.i/072506d.b/038b3801.d
Ccal Level: 3 , Ccal Amount: 100		
26-JUL-2006 03:44	CONG1	/chem/ecd8a.i/072506d.b/031b3101.d
Ccal Level: 3 , Ccal Amount: 100		
25-JUL-2006 22:32	CONG1	/chem/ecd8a.i/072506d.b/019b1901.d
Ccal Level: 3 , Ccal Amount: 100		

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25-JUL-2006 17:18	CONG1	/chem/ecd8a.i/072506d.b/007b0701.d
Ccal Level: 3 , Ccal Amount: 100		
25-JUL-2006 16:00	CONG1	/chem/ecd8a.i/072506d.b/004b0401.d

168337

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m
Quant Method : ESTD Target Version : 3.50
Last Update : 29-Jul-2006 14:31 Number of Cpnds : 42
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	50.000000
Initial:End Threshold	100.000000
Initial:Area Threshold	5000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	8.000000
Initial:Negative Peaks	OFF
Initial:Tension	1.100000

	Compound	RT	RT Window	RF
	2 Aroclor-1221	3.619	3.599-3.639	2.620e+03
		3.853	3.833-3.873	1.328e+03
		3.918	3.898-3.938	6.227e+03
$	10 4cmx	3.318	3.298-3.338	2.811e+05
	3 Aroclor-1232	3.919	3.899-3.939	5.168e+03
		4.508	4.488-4.528	4.116e+03
		5.494	5.474-5.514	3.261e+03
		5.598	5.578-5.618	1.978e+03
		6.898	6.878-6.918	2.202e+03
	66 2,4'-Dichlorobiphenyl (8)	3.927	3.907-3.947	4.914e+04
	67 2,2',5-Trichlorobiphenyl (	4.505	4.485-4.525	5.939e+04
	4 Aroclor-1242	4.508	4.488-4.528	8.295e+03
		5.494	5.474-5.514	6.265e+03
		5.598	5.578-5.618	3.710e+03
		6.750	6.730-6.770	2.584e+03
		6.899	6.879-6.919	4.649e+03
	1 Aroclor-1016	5.494	5.474-5.514	8.471e+03
		5.596	5.576-5.616	4.906e+03
		5.825	5.805-5.845	4.983e+03
		5.859	5.839-5.879	5.041e+03
		6.186	6.166-6.206	6.514e+03
	68 2,4,4'-Trichlorobiphenyl (	5.285	5.265-5.305	1.419e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m

Compound	RT	RT Window	RF
5 Aroclor-1248	5.824	5.804-5.844	5.501e+03
	6.185	6.165-6.205	6.916e+03
	6.749	6.729-6.769	3.991e+03
	6.897	6.877-6.917	7.852e+03
	7.278	7.258-7.298	6.438e+03
69 Tetrachlorobiphenyl (52)	5.830	5.810-5.850	9.518e+04
70 Tetrachlorobiphenyl (49)	5.864	5.844-5.884	1.387e+05
71 Tetrachlorobiphenyl (44)	6.190	6.170-6.210	1.358e+05
6 Aroclor-1254	6.828	6.808-6.848	8.739e+03
	7.285	7.265-7.305	1.156e+04
	8.050	8.030-8.070	1.468e+04
	8.652	8.632-8.672	1.080e+04
	9.086	9.066-9.106	1.082e+04
72 Tetrachlorobiphenyl (66)	6.945	6.925-6.965	1.510e+05
73 Pentachlorobiphenyl (101)	7.292	7.272-7.312	1.459e+05
74 Pentachlorobiphenyl (87)	7.809	7.789-7.829	1.951e+05
92 Tetrachlorobiphenyl (81)	7.940	7.920-7.960	1.189e+05
75 Tetrachlorobiphenyl (77)	8.240	8.220-8.260	8.483e+04
7 Aroclor-1260	8.450	8.430-8.470	1.336e+04
	10.068	10.048-10.088	1.014e+04
	10.703	10.683-10.723	1.068e+04
	11.596	11.576-11.616	2.289e+04
	12.405	12.385-12.425	1.258e+04
62 Pentachlorobiphenyl (123)	8.581	8.561-8.601	1.617e+05
76 Pentachlorobiphenyl (118)	8.659	8.639-8.679	1.662e+05
61 Pentachlorobiphenyl (114)	8.776	8.756-8.796	2.246e+05
78 Hexachlorobiphenyl (153)	9.100	9.080-9.120	1.715e+05
77 Heptachlorobiphenyl (184)	8.824	8.804-8.844	1.619e+05
79 Pentachlorobiphenyl (105)	9.276	9.256-9.296	2.130e+05
80 Hexachlorobiphenyl (138)	9.762	9.742-9.782	2.083e+05
83 Pentachlorobiphenyl (126)	10.220	10.200-10.240	1.006e+05
81 Heptachlorobiphenyl (187)	10.078	10.058-10.098	1.889e+05
82 Heptachlorobiphenyl (183)	10.197	10.177-10.217	2.321e+05
65 Hexachlorobiphenyl (167)	10.638	10.618-10.658	1.929e+05
84 Hexachlorobiphenyl (128)	10.478	10.458-10.498	2.405e+05
86 Hexachlorobiphenyl (156)	11.188	11.168-11.208	2.465e+05
63 Hexachlorobiphenyl (157)	11.369	11.349-11.389	2.273e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m

Compound	RT	RT Window	RF
8 Aroclor-1262	9.785	9.765-9.805	
	10.773	10.753-10.793	
	11.191	11.171-11.211	
	12.386	12.366-12.406	
	12.496	12.476-12.516	
87 Heptachlorobiphenyl (180)	11.605	11.585-11.625	2.466e+05
89 Hexachlorobiphenyl (169)	12.494	12.474-12.514	1.604e+05
88 Heptachlorobiphenyl (170)	12.414	12.394-12.434	2.493e+05
64 Heptachlorobiphenyl (189)	13.467	13.447-13.487	2.168e+05
90 Octachlorobiphenyl (195)	13.548	13.528-13.568	2.693e+05
91 Nonachlorobiphenyl (206)	15.418	15.398-15.438	2.096e+05
9 Aroclor-1268	12.493	12.473-12.513	
	12.578	12.558-12.598	
	13.034	13.014-13.054	
	13.961	13.941-13.981	
	14.751	14.731-14.771	
11 Decachlorobiphenyl	16.068	16.048-16.088	1.885e+05

168340

General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m
Quant Method : ESTD Target Version : 3.50
Last Update : 29-Jul-2006 14:30 Number of Cpnds : 42
Data Type : GC MULTI COMP

Global Integrator : Falcon

Chromat Events	Values
Initial:Start Threshold	100.000000
Initial:End Threshold	200.000000
Initial:Area Threshold	10000.000000
Initial:P-P Resolution	1.000000
Initial:Bunch Factor	4.000000
Initial:Negative Peaks	OFF
Initial:Tension	1.000000

	Compound	RT	RT Window	RF
	2 Aroclor-1221	5.004	4.984-5.024	1.557e+03
		5.259	5.239-5.279	1.098e+03
		5.368	5.348-5.388	4.164e+03
$	10 4cmx	4.442	4.422-4.462	2.122e+05
	3 Aroclor-1232	6.543	6.523-6.563	1.018e+03
		7.182	7.162-7.202	2.181e+03
		7.374	7.354-7.394	1.317e+03
		7.601	7.581-7.621	1.092e+03
		8.150	8.130-8.170	1.607e+03
	1 Aroclor-1016	7.182	7.162-7.202	6.989e+03
		7.375	7.355-7.395	4.200e+03
		7.601	7.581-7.621	4.282e+03
		7.681	7.661-7.701	4.459e+03
		8.151	8.131-8.171	5.587e+03
	66 2,4'-Dichlorobiphenyl (8)	5.371	5.351-5.391	3.739e+04
	4 Aroclor-1242	6.922	6.902-6.942	5.697e+03
		7.183	7.163-7.203	5.344e+03
		7.374	7.354-7.394	3.326e+03
		7.601	7.581-7.621	3.082e+03
		8.151	8.131-8.171	4.424e+03
	67 2,2',5-Trichlorobiphenyl (	6.113	6.093-6.133	4.636e+04

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m

Compound	RT	RT Window	RF
5 Aroclor-1248	7.600	7.580-7.620	4.126e+03
	8.149	8.129-8.169	5.244e+03
	8.415	8.395-8.435	5.373e+03
	9.039	9.019-9.059	6.020e+03
	9.138	9.118-9.158	6.683e+03
68 2,4,4'-Trichlorobiphenyl (	6.949	6.929-6.969	1.026e+05
69 Tetrachlorobiphenyl (52)	7.603	7.583-7.623	7.036e+04
70 Tetrachlorobiphenyl (49)	7.683	7.663-7.703	8.890e+04
71 Tetrachlorobiphenyl (44)	8.151	8.131-8.171	9.433e+04
72 Tetrachlorobiphenyl (66)	9.145	9.125-9.165	1.115e+05
73 Pentachlorobiphenyl (101)	9.630	9.610-9.650	9.704e+04
6 Aroclor-1254	9.628	9.608-9.648	9.732e+03
	10.512	10.492-10.532	7.064e+03
	10.832	10.812-10.852	1.323e+04
	11.512	11.492-11.532	9.493e+03
	12.067	12.047-12.087	6.155e+03
92 Tetrachlorobiphenyl (81)	10.518	10.498-10.538	1.154e+05
74 Pentachlorobiphenyl (87)	10.517	10.497-10.537	1.154e+05
75 Tetrachlorobiphenyl (77)	10.917	10.897-10.937	6.623e+04
62 Pentachlorobiphenyl (123)	11.435	11.415-11.455	1.173e+05
76 Pentachlorobiphenyl (118)	11.513	11.493-11.533	1.202e+05
7 Aroclor-1260	11.403	11.383-11.423	1.050e+04
	12.067	12.047-12.087	1.256e+04
	13.467	13.447-13.487	8.113e+03
	14.416	14.396-14.436	8.666e+03
	15.336	15.316-15.356	1.818e+04
78 Hexachlorobiphenyl (153)	12.069	12.049-12.089	1.149e+05
77 Heptachlorobiphenyl (184)	11.964	11.944-11.984	1.264e+05
61 Pentachlorobiphenyl (114)	11.875	11.855-11.895	1.766e+05
8 Aroclor-1262	11.232	11.212-11.252	
	11.662	11.642-11.682	
	12.657	12.637-12.677	
	13.377	13.357-13.397	
	15.115	15.095-15.135	
79 Pentachlorobiphenyl (105)	12.533	12.513-12.553	1.573e+05
80 Hexachlorobiphenyl (138)	13.149	13.129-13.169	1.438e+05
81 Heptachlorobiphenyl (187)	13.471	13.451-13.491	1.241e+05
82 Heptachlorobiphenyl (183)	13.643	13.623-13.663	1.505e+05
83 Pentachlorobiphenyl (126)	13.531	13.511-13.551	7.976e+04
65 Hexachlorobiphenyl (167)	14.002	13.982-14.022	1.271e+05

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General Engineering Laboratories, LLC

COMPOUND LISTING

Method file : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m

Compound	RT	RT Window	RF
84 Hexachlorobiphenyl (128)	14.274	14.254-14.294	1.707e+05
86 Hexachlorobiphenyl (156)	14.920	14.900-14.940	1.782e+05
87 Heptachlorobiphenyl (180)	15.338	15.318-15.358	1.621e+05
63 Hexachlorobiphenyl (157)	15.193	15.173-15.213	1.555e+05
89 Hexachlorobiphenyl (169)	16.233	16.213-16.253	1.041e+05
88 Heptachlorobiphenyl (170)	16.594	16.574-16.614	1.756e+05
64 Heptachlorobiphenyl (189)	17.540	17.520-17.560	1.569e+05
9 Aroclor-1268	15.111	15.091-15.131	
	15.240	15.220-15.260	
	15.990	15.970-16.010	
	16.979	16.959-16.999	
	18.051	18.031-18.071	
90 Octachlorobiphenyl (195)	18.083	18.063-18.103	1.648e+05
91 Nonachlorobiphenyl (206)	19.998	19.978-20.018	1.282e+05
11 Decachlorobiphenyl	20.712	20.692-20.732	1.089e+05

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General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:31 kho01178

Calibration File Names:
Level 1: /chem/ecd8a.i/070606c.b/009f0901.d
Level 2: /chem/ecd8a.i/070606c.b/010f1001.d
Level 3: /chem/ecd8a.i/070606c.b/011f1101.d
Level 4: /chem/ecd8a.i/062806c.b/018f1801.d
Level 5: /chem/ecd8a.i/070606c.b/013f1301.d

	Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
2	Aroclor-1221(1)	+++++	+++++	+++++	2620	+++++	AVRG		2620		0.000e+00
	(2)	+++++	+++++	+++++	1328	+++++	AVRG		1328		0.000e+00
	(3)	+++++	+++++	+++++	6227	+++++	AVRG		6227		0.000e+00
3	Aroclor-1232(1)	+++++	+++++	+++++	5168	+++++	AVRG		5168		0.000e+00
	(2)	+++++	+++++	+++++	4116	+++++	AVRG		4116		0.000e+00
	(3)	+++++	+++++	+++++	3261	+++++	AVRG		3261		0.000e+00
	(4)	+++++	+++++	+++++	1978	+++++	AVRG		1978		0.000e+00
	(5)	+++++	+++++	+++++	2202	+++++	AVRG		2202		0.000e+00
66	2,4'-Dichlorobiphenyl (8)	746579	2957103	5854759	13181575	24943637	LINR	-12.05901	49143		0.99900
67	2,2',5-Trichlorobiphenyl (18)	927768	3673521	7205231	15968542	30221826	LINR	-13.30793	59390		0.99890
4	Aroclor-1242(1)	+++++	+++++	+++++	8295	+++++	AVRG		8295		0.000e+00
	(2)	+++++	+++++	+++++	6265	+++++	AVRG		6265		0.000e+00
	(3)	+++++	+++++	+++++	3710	+++++	AVRG		3710		0.000e+00
	(4)	+++++	+++++	+++++	2584	+++++	AVRG		2584		0.000e+00
	(5)	+++++	+++++	+++++	4649	+++++	AVRG		4649		0.000e+00
1	Aroclor-1016(1)	9686	9008	8557	7781	7320	AVRG		8471		11.15898
	(2)	5475	5145	4948	4508	4456	AVRG		4906		8.78635
	(3)	5696	5400	4964	4528	4328	AVRG		4983		11.52121
	(4)	5962	5280	5093	4597	4273	AVRG		5041		12.90991
	(5)	7424	6901	6535	6008	5702	AVRG		6514		10.56285

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:31 kho01178

	Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
68	2,4,4'-Trichlorobiphenyl (28)	167164	141250	142212	131445	127307	AVRG		141876		10.92548
5	Aroclor-1248(1)	+++++	+++++	+++++	5501	+++++	AVRG		5501		0.000e+00
	(2)	+++++	+++++	+++++	6916	+++++	AVRG		6916		0.000e+00
	(3)	+++++	+++++	+++++	3991	+++++	AVRG		3991		0.000e+00
	(4)	+++++	+++++	+++++	7852	+++++	AVRG		7852		0.000e+00
	(5)	+++++	+++++	+++++	6438	+++++	AVRG		6438		0.000e+00
69	Tetrachlorobiphenyl (52)	118433	96308	94391	84947	81832	AVRG		95182		15.09256
70	Tetrachlorobiphenyl (49)	171204	140765	139381	125577	116364	AVRG		138658		15.00846
71	Tetrachlorobiphenyl (44)	168359	136689	135915	122484	115589	AVRG		135807		14.94009
6	Aroclor-1254(1)	+++++	+++++	+++++	8739	+++++	AVRG		8739		0.000e+00
	(2)	+++++	+++++	+++++	11557	+++++	AVRG		11557		0.000e+00
	(3)	+++++	+++++	+++++	14678	+++++	AVRG		14678		0.000e+00
	(4)	+++++	+++++	+++++	10796	+++++	AVRG		10796		0.000e+00
	(5)	+++++	+++++	+++++	10819	+++++	AVRG		10819		0.000e+00
72	Tetrachlorobiphenyl (66)	173249	150219	153572	142802	135338	AVRG		151036		9.44926
73	Pentachlorobiphenyl (101)	181312	146385	145225	131582	125240	AVRG		145949		14.98005
74	Pentachlorobiphenyl (87)	227660	195971	197830	180797	173374	AVRG		195126		10.70402
92	Tetrachlorobiphenyl (81)	135211	119873	119296	112004	108208	AVRG		118938		8.70942
75	Tetrachlorobiphenyl (77)	1120484	4691178	9382556	22057399	42787747	LINR	-6.70158	84832		0.99971
7	Aroclor-1260(1)	15474	14131	13369	12298	11546	AVRG		13363		11.52168
	(2)	11498	10616	10106	9357	9131	AVRG		10142		9.48527
	(3)	11987	11141	10677	9881	9738	AVRG		10685		8.68667
	(4)	25014	23691	23083	21606	21077	AVRG		22894		6.94806
	(5)	13843	13015	12530	11723	11783	AVRG		12579		7.06285

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
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Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:31 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
62 Pentachlorobiphenyl (123)	183356	161610	164454	152481	146680	AVRG		161716		8.67458
76 Pentachlorobiphenyl (118)	194708	166151	167552	154337	148182	AVRG		166186		10.76384
61 Pentachlorobiphenyl (114)	236579	224620	232231	217340	212066	AVRG		224567		4.51678
78 Hexachlorobiphenyl (153)	208139	170599	171593	157039	150304	AVRG		171535		13.04083
77 Heptachlorobiphenyl (184)	2658374	10250529	20049417	44690680	82330939	LINR	-15.64923	161883		0.99802
79 Pentachlorobiphenyl (105)	248418	205747	216278	201055	193751	AVRG		213050		10.04229
80 Hexachlorobiphenyl (138)	242097	208687	211676	193483	185653	AVRG		208319		10.42403
83 Pentachlorobiphenyl (126)	116311	103382	107645	85161	90416	AVRG		100583		12.63720
81 Heptachlorobiphenyl (187)	227750	187895	189940	173139	165873	AVRG		188919		12.66534
82 Heptachlorobiphenyl (183)	267865	229940	233455	222344	206887	AVRG		232098		9.67388
65 Hexachlorobiphenyl (167)	231332	194218	193822	175452	169478	AVRG		192860		12.52118
84 Hexachlorobiphenyl (128)	282886	240449	244037	221964	212920	AVRG		240451		11.22375
86 Hexachlorobiphenyl (156)	269999	244244	253403	236379	228439	AVRG		246493		6.52144
63 Hexachlorobiphenyl (157)	264615	226211	230604	211186	203944	AVRG		227312		10.33978
8 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
87 Heptachlorobiphenyl (180)	300672	247005	245748	223946	215622	AVRG		246599		13.44573
89 Hexachlorobiphenyl (169)	184132	159839	161053	150268	146458	AVRG		160350		9.14938
88 Heptachlorobiphenyl (170)	283194	247816	253554	236273	225802	AVRG		249328		8.72032
64 Heptachlorobiphenyl (189)	227044	212926	222709	213093	208044	AVRG		216763		3.61242
90 Octachlorobiphenyl (195)	325097	269556	268721	247425	235566	AVRG		269273		12.77078

General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52
Quant Method : ESTD
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-F-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:31 kho01178

Compound	10 Level 1	50 Level 2	100 Level 3	250 Level 4	500 Level 5	Curve	Coefficients b	m1	m2	%RSD or R^2
91 Nonachlorobiphenyl (206)	247294	207202	209714	195868	187784	AVRG		209572		10.90997
9 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(2)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(3)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(4)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
(5)	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00
11 Decachlorobiphenyl	227751	186946	187053	174187	166420	AVRG		188472		12.54890
$ 10 4cmx	312972	270984	283110	269865	268512	AVRG		281089		6.67189

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

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General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:30 kho01178
Curve Type : Average

Calibration File Names:
Level 1: /chem/ecd8a.i/070606c.b/009b0901.d
Level 2: /chem/ecd8a.i/070606c.b/010b1001.d
Level 3: /chem/ecd8a.i/070606c.b/011b1101.d
Level 4: /chem/ecd8a.i/062806c.b/018b1801.d
Level 5: /chem/ecd8a.i/070606c.b/013b1301.d

Compound	10.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	RRF	% RSD
2 Aroclor-1221(1)	+++++	+++++	+++++	1557	+++++	1557	0.000
(2)	+++++	+++++	+++++	1098	+++++	1098	0.000
(3)	+++++	+++++	+++++	4164	+++++	4164	0.000
3 Aroclor-1232(1)	+++++	+++++	+++++	1018	+++++	1018	0.000
(2)	+++++	+++++	+++++	2181	+++++	2181	0.000
(3)	+++++	+++++	+++++	1317	+++++	1317	0.000
(4)	+++++	+++++	+++++	1092	+++++	1092	0.000
(5)	+++++	+++++	+++++	1607	+++++	1607	0.000
1 Aroclor-1016(1)	7692	7177	7277	6653	6148	6989	8.564
(2)	4461	4223	4375	4044	3898	4200	5.512
(3)	4735	4376	4459	4056	3782	4282	8.630
(4)	4952	4551	4649	4217	3927	4459	8.893
(5)	6067	5636	5760	5362	5111	5587	6.571
66 2,4'-Dichlorobiphenyl (8)	42728	36327	37283	35355	35268	37392	8.274
4 Aroclor-1242(1)	+++++	+++++	+++++	5697	+++++	5697	0.000
(2)	+++++	+++++	+++++	5344	+++++	5344	0.000
(3)	+++++	+++++	+++++	3326	+++++	3326	0.000
(4)	+++++	+++++	+++++	3082	+++++	3082	0.000
(5)	+++++	+++++	+++++	4424	+++++	4424	0.000
67 2,2',5-Trichlorobiphenyl (18)	52587	45023	46500	43986	43700	46359	7.873
5 Aroclor-1248(1)	+++++	+++++	+++++	4126	+++++	4126	0.000
(2)	+++++	+++++	+++++	5244	+++++	5244	0.000
(3)	+++++	+++++	+++++	5373	+++++	5373	0.000
(4)	+++++	+++++	+++++	6020	+++++	6020	0.000
(5)	+++++	+++++	+++++	6683	+++++	6683	0.000
68 2,4,4'-Trichlorobiphenyl (28)	102866	97274	103925	102726	106179	102594	3.196

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General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:30 kho01178
Curve Type : Average

Compound	10.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	___ RRF	% RSD
69 Tetrachlorobiphenyl (52)	76008	66955	70442	68422	69949	70355	4.894
70 Tetrachlorobiphenyl (49)	97022	84392	89015	86215	87871	88903	5.469
71 Tetrachlorobiphenyl (44)	101154	90025	95015	92008	93448	94330	4.490
72 Tetrachlorobiphenyl (66)	110894	104017	112895	112690	116888	111477	4.226
73 Pentachlorobiphenyl (101)	105417	90429	96897	94628	97852	97045	5.653
6 Aroclor-1254(1)	+++++	+++++	+++++	9732	+++++	9732	0.000
(2)	+++++	+++++	+++++	7064	+++++	7064	0.000
(3)	+++++	+++++	+++++	13227	+++++	13227	0.000
(4)	+++++	+++++	+++++	9493	+++++	9493	0.000
(5)	+++++	+++++	+++++	6155	+++++	6155	0.000
92 Tetrachlorobiphenyl (81)	118000	108548	116653	115172	118555	115385	3.501
74 Pentachlorobiphenyl (87)	118000	108548	116653	115172	118555	115385	3.501
75 Tetrachlorobiphenyl (77)	66055	61454	66853	66976	69790	66226	4.559
62 Pentachlorobiphenyl (123)	116046	109309	118379	118878	123971	117317	4.542
76 Pentachlorobiphenyl (118)	131963	113187	118891	116458	120588	120217	5.932
7 Aroclor-1260(1)	11177	10055	10854	10045	10365	10499	4.778
(2)	12713	12064	13115	12162	12742	12559	3.493
(3)	8331	7785	8440	7854	8157	8113	3.543
(4)	8836	8324	9044	8409	8718	8666	3.450
(5)	17808	17289	18582	17805	19393	18176	4.524
78 Hexachlorobiphenyl (153)	126751	108507	113567	111168	114262	114851	6.117
77 Heptachlorobiphenyl (184)	141172	119760	124923	121514	124712	126416	6.749
61 Pentachlorobiphenyl (114)	167182	163786	179201	182044	190734	176589	6.262
8 Aroclor-1262(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
79 Pentachlorobiphenyl (105)	156188	146435	158059	159405	166407	157299	4.576
80 Hexachlorobiphenyl (138)	149541	134658	143567	142622	148556	143789	4.123
81 Heptachlorobiphenyl (187)	132208	116838	124109	120988	126109	124050	4.634
82 Heptachlorobiphenyl (183)	164178	143043	149115	146096	150238	150534	5.398
83 Pentachlorobiphenyl (126)	74578	73865	80260	83407	86714	79765	6.966

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General Engineering Laboratories, LLC

INITIAL CALIBRATION DATA

Start Cal Date : 28-JUN-2006 15:40
End Cal Date : 25-JUL-2006 16:52
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /chem/ecd8a.i/072506d.b/ECD2-B-8082CONG-072506.m
Cal Date : 29-Jul-2006 14:30 kho01178
Curve Type : Average

Compound	10.000 Level 1	50.000 Level 2	100.000 Level 3	250.000 Level 4	500.000 Level 5	RRF	% RSD
65 Hexachlorobiphenyl (167)	132757	119560	126572	126072	130747	127142	4.000
84 Hexachlorobiphenyl (128)	179829	160349	170099	168695	174746	170743	4.256
86 Hexachlorobiphenyl (156)	174478	165467	179098	181514	190623	178236	5.189
87 Heptachlorobiphenyl (180)	174664	152964	160444	158325	164337	162147	5.004
63 Hexachlorobiphenyl (157)	156136	145738	156051	156436	163262	155525	4.030
89 Hexachlorobiphenyl (169)	107692	97698	103899	103273	107974	104107	4.007
88 Heptachlorobiphenyl (170)	183052	163898	175576	174154	181274	175591	4.288
64 Heptachlorobiphenyl (189)	160333	145704	156855	156912	164915	156944	4.521
9 Aroclor-1268(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
(5)	+++++	+++++	+++++	+++++	+++++	+++++	+++++
90 Octachlorobiphenyl (195)	171326	154124	165177	163057	170301	164797	4.182
91 Nonachlorobiphenyl (206)	136652	121175	127296	125517	130552	128238	4.519
11 Decachlorobiphenyl	117032	102539	107826	106840	110475	108942	4.910
$ 10 4cmx	208355	195642	212351	215223	229257	212165	5.720

168350

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 167394

Instrument ID: ECD8A Calibration Date: 07/25/06 Time: 1718

Lab File ID: 007F0701 Init. Calib. Date(s): 07/25/06 07/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1507 1652

GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Decachlorobiphenyl	98.0	100	AVRG	-2.0	15.0	
Pentachlorobiphenyl (114)	103	100	AVRG	3.0	15.0	
Pentachlorobiphenyl (123)	101	100	AVRG	1.0	15.0	
Hexachlorobiphenyl (157)	100	100	AVRG	0.0	15.0	
Heptachlorobiphenyl (189)	104	100	AVRG	4.0	15.0	
Hexachlorobiphenyl (167)	98.2	100	AVRG	-1.8	15.0	
2,4'-Dichlorobiphenyl (8)	107	100	LINR	7.0	15.0	
2,2',5-Trichlorobiphenyl (18	108	100	LINR	8.0	15.0	
2,4,4'-Trichlorobiphenyl (28	98.1	100	AVRG	-1.9	15.0	
Tetrachlorobiphenyl (52)	92.5	100	AVRG	-7.5	15.0	
Tetrachlorobiphenyl (49)	95.9	100	AVRG	-4.1	15.0	
Tetrachlorobiphenyl (44)	97.7	100	AVRG	-2.3	15.0	
Tetrachlorobiphenyl (66)	99.0	100	AVRG	-1.0	15.0	
Pentachlorobiphenyl (101)	103	100	AVRG	3.0	15.0	
Pentachlorobiphenyl (87)	98.8	100	AVRG	-1.2	15.0	
Tetrachlorobiphenyl (77)	84.1	100	LINR	-15.9	15.0	<-
Pentachlorobiphenyl (118)	103	100	AVRG	3.0	15.0	
Heptachlorobiphenyl (184)	107	100	LINR	7.0	15.0	
Hexachlorobiphenyl (153)	102	100	AVRG	2.0	15.0	
Pentachlorobiphenyl (105)	103	100	AVRG	3.0	15.0	
Hexachlorobiphenyl (138)	101	100	AVRG	1.0	15.0	
Heptachlorobiphenyl (187)	99.9	100	AVRG	-0.1	15.0	
Heptachlorobiphenyl (183)	98.5	100	AVRG	-1.5	15.0	
Pentachlorobiphenyl (126)	110	100	AVRG	10.0	15.0	
Hexachlorobiphenyl (128)	100	100	AVRG	0.0	15.0	
Hexachlorobiphenyl (156)	97.0	100	AVRG	-3.0	15.0	
Heptachlorobiphenyl (180)	100	100	AVRG	0.0	15.0	
Heptachlorobiphenyl (170)	98.3	100	AVRG	-1.7	15.0	
Hexachlorobiphenyl (169)	94.4	100	AVRG	-5.6	15.0	
Octachlorobiphenyl (195)	95.7	100	AVRG	-4.3	15.0	
Nonachlorobiphenyl (206)	103	100	AVRG	3.0	15.0	
Tetrachlorobiphenyl (81)	103	100	AVRG	3.0	15.0	
4cmx	81.1	80.0	AVRG	1.4	30.0	

FORM VII PEST

168351

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 167394

Instrument ID: ECD8A Calibration Date: 07/25/06 Time: 1718

Lab File ID: 007B0701 Init. Calib. Date(s): 07/25/06 07/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1507 1652

GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
Decachlorobiphenyl	108942.47	106204.78	0.01	-2.5	15.0
Pentachlorobiphenyl (114)	176589.28	176280.43	0.01	-0.2	15.0
Pentachlorobiphenyl (123)	117316.65	114227.52	0.01	-2.6	15.0
Hexachlorobiphenyl (157)	155524.57	152144.73	0.01	-2.2	15.0
Heptachlorobiphenyl (189)	156943.70	156747.43	0.01	-0.1	15.0
Hexachlorobiphenyl (167)	127141.66	120559.75	0.01	-5.2	15.0
2,4'-Dichlorobiphenyl (8)	37391.968	37982.980	0.01	1.6	15.0
2,2',5-Trichlorobiphenyl (18	46359.343	45713.570	0.01	-1.4	15.0
2,4,4'-Trichlorobiphenyl (28	102594.03	101762.98	0.01	-0.8	15.0
Tetrachlorobiphenyl (52)	70355.334	64403.660	0.01	-8.4	15.0
Tetrachlorobiphenyl (49)	88902.968	84309.660	0.01	-5.2	15.0
Tetrachlorobiphenyl (44)	94329.863	91843.620	0.01	-2.6	15.0
Tetrachlorobiphenyl (66)	111476.74	102973.02	0.01	-7.6	15.0
Pentachlorobiphenyl (101)	97044.522	95526.100	0.01	-1.6	15.0
Pentachlorobiphenyl (87)	115385.44	111656.49	0.01	-3.2	15.0
Tetrachlorobiphenyl (77)	66225.672	67146.180	0.01	1.4	15.0
Pentachlorobiphenyl (118)	120217.35	116628.80	0.01	-3.0	15.0
Heptachlorobiphenyl (184)	126416.22	119765.31	0.01	-5.3	15.0
Hexachlorobiphenyl (153)	114851.12	111097.99	0.01	-3.3	15.0
Pentachlorobiphenyl (105)	157298.63	150637.40	0.01	-4.2	15.0
Hexachlorobiphenyl (138)	143788.84	139865.81	0.01	-2.7	15.0
Heptachlorobiphenyl (187)	124050.25	121048.21	0.01	-2.4	15.0
Heptachlorobiphenyl (183)	150534.21	145317.23	0.01	-3.5	15.0
Pentachlorobiphenyl (126)	79764.785	89074.070	0.01	11.7	15.0
Hexachlorobiphenyl (128)	170743.46	165542.22	0.01	-3.0	15.0
Hexachlorobiphenyl (156)	178235.70	168123.68	0.01	-5.7	15.0
Heptachlorobiphenyl (180)	162146.58	158667.30	0.01	-2.1	15.0
Heptachlorobiphenyl (170)	175590.69	168653.12	0.01	-4.0	15.0
Hexachlorobiphenyl (169)	104107.23	96804.090	0.01	-7.0	15.0
Octachlorobiphenyl (195)	164797.13	157802.30	0.01	-4.2	15.0
Nonachlorobiphenyl (206)	128238.39	132149.61	0.01	3.0	15.0
Tetrachlorobiphenyl (81)	115385.44	111656.49	0.01	-3.2	15.0
4cmx	212165.46	212350.74	0.01	0.1	30.0

FORM VII PEST

168352

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 167394

Instrument ID: ECD8A Calibration Date: 07/25/06 Time: 2232

Lab File ID: 019F1901 Init. Calib. Date(s): 07/25/06 07/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1507 1652

GC Column: CLP1 ID: 0.25 (mm)

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Decachlorobiphenyl	104	100	AVRG	4.0	15.0	
Pentachlorobiphenyl (114)	111	100	AVRG	11.0	15.0	
Pentachlorobiphenyl (123)	109	100	AVRG	9.0	15.0	
Hexachlorobiphenyl (157)	106	100	AVRG	6.0	15.0	
Heptachlorobiphenyl (189)	109	100	AVRG	9.0	15.0	
Hexachlorobiphenyl (167)	104	100	AVRG	4.0	15.0	
2,4'-Dichlorobiphenyl (8)	113	100	LINR	13.0	15.0	
2,2',5-Trichlorobiphenyl (18	118	100	LINR	18.0	15.0	<-
2,4,4'-Trichlorobiphenyl (28	108	100	AVRG	8.0	15.0	
Tetrachlorobiphenyl (52)	107	100	AVRG	7.0	15.0	
Tetrachlorobiphenyl (49)	104	100	AVRG	4.0	15.0	
Tetrachlorobiphenyl (44)	106	100	AVRG	6.0	15.0	
Tetrachlorobiphenyl (66)	108	100	AVRG	8.0	15.0	
Pentachlorobiphenyl (101)	106	100	AVRG	6.0	15.0	
Pentachlorobiphenyl (87)	108	100	AVRG	8.0	15.0	
Tetrachlorobiphenyl (77)	114	100	LINR	14.0	15.0	
Pentachlorobiphenyl (118)	107	100	AVRG	7.0	15.0	
Heptachlorobiphenyl (184)	113	100	LINR	13.0	15.0	
Hexachlorobiphenyl (153)	106	100	AVRG	6.0	15.0	
Pentachlorobiphenyl (105)	106	100	AVRG	6.0	15.0	
Hexachlorobiphenyl (138)	108	100	AVRG	8.0	15.0	
Heptachlorobiphenyl (187)	105	100	AVRG	5.0	15.0	
Heptachlorobiphenyl (183)	101	100	AVRG	1.0	15.0	
Pentachlorobiphenyl (126)	103	100	AVRG	3.0	15.0	
Hexachlorobiphenyl (128)	106	100	AVRG	6.0	15.0	
Hexachlorobiphenyl (156)	108	100	AVRG	8.0	15.0	
Heptachlorobiphenyl (180)	104	100	AVRG	4.0	15.0	
Heptachlorobiphenyl (170)	107	100	AVRG	7.0	15.0	
Hexachlorobiphenyl (169)	106	100	AVRG	6.0	15.0	
Octachlorobiphenyl (195)	102	100	AVRG	2.0	15.0	
Nonachlorobiphenyl (206)	104	100	AVRG	4.0	15.0	
Tetrachlorobiphenyl (81)	104	100	AVRG	4.0	15.0	
4cmx	85.2	80.0	AVRG	6.5	30.0	

FORM VII PEST

168353

FORM 7
PESTICIDE CONTINUING CALIBRATION CHECK

Lab Name: GEL, LLC. Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 167394

Instrument ID: ECD8A Calibration Date: 07/25/06 Time: 2232

Lab File ID: 019B1901 Init. Calib. Date(s): 07/25/06 07/25/06

Heated Purge: (Y/N) N Init. Calib. Times: 1507 1652

GC Column: DB-17MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF100	MIN RRF	%D	MAX %D
Decachlorobiphenyl	108942.47	109185.01	0.01	0.2	15.0
Pentachlorobiphenyl (114)	176589.28	191784.93	0.01	8.6	15.0
Pentachlorobiphenyl (123)	117316.65	125982.51	0.01	7.4	15.0
Hexachlorobiphenyl (157)	155524.57	166406.68	0.01	7.0	15.0
Heptachlorobiphenyl (189)	156943.70	165337.59	0.01	5.3	15.0
Hexachlorobiphenyl (167)	127141.66	133652.66	0.01	5.1	15.0
2,4'-Dichlorobiphenyl (8)	37391.968	39786.480	0.01	6.4	15.0
2,2',5-Trichlorobiphenyl (18	46359.343	49159.720	0.01	6.0	15.0
2,4,4'-Trichlorobiphenyl (28	102594.03	110761.26	0.01	8.0	15.0
Tetrachlorobiphenyl (52)	70355.334	74680.480	0.01	6.1	15.0
Tetrachlorobiphenyl (49)	88902.968	94173.490	0.01	5.9	15.0
Tetrachlorobiphenyl (44)	94329.863	100662.42	0.01	6.7	15.0
Tetrachlorobiphenyl (66)	111476.74	120869.51	0.01	8.4	15.0
Pentachlorobiphenyl (101)	97044.522	102398.36	0.01	5.5	15.0
Pentachlorobiphenyl (87)	115385.44	123504.99	0.01	7.0	15.0
Tetrachlorobiphenyl (77)	66225.672	71699.030	0.01	8.3	15.0
Pentachlorobiphenyl (118)	120217.35	124607.46	0.01	3.6	15.0
Heptachlorobiphenyl (184)	126416.22	130393.33	0.01	3.1	15.0
Hexachlorobiphenyl (153)	114851.12	118849.08	0.01	3.5	15.0
Pentachlorobiphenyl (105)	157298.63	167517.01	0.01	6.5	15.0
Hexachlorobiphenyl (138)	143788.84	151592.68	0.01	5.4	15.0
Heptachlorobiphenyl (187)	124050.25	129259.39	0.01	4.2	15.0
Heptachlorobiphenyl (183)	150534.21	155510.14	0.01	3.3	15.0
Pentachlorobiphenyl (126)	79764.785	87845.230	0.01	10.1	15.0
Hexachlorobiphenyl (128)	170743.46	180003.78	0.01	5.4	15.0
Hexachlorobiphenyl (156)	178235.70	191183.40	0.01	7.3	15.0
Heptachlorobiphenyl (180)	162146.58	169387.34	0.01	4.5	15.0
Heptachlorobiphenyl (170)	175590.69	183531.93	0.01	4.5	15.0
Hexachlorobiphenyl (169)	104107.23	110140.92	0.01	5.8	15.0
Octachlorobiphenyl (195)	164797.13	171549.98	0.01	4.1	15.0
Nonachlorobiphenyl (206)	128238.39	132292.09	0.01	3.2	15.0
Tetrachlorobiphenyl (81)	115385.44	123504.99	0.01	7.0	15.0
4cmx	212165.46	212350.74	0.01	0.1	30.0

FORM VII PEST

168354

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 167394

GC Column: CLP1 ID: 0.25 (mm) Init. Calib. Date(s): 07/25/06 07/25/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 3.32

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060623-02	07/25/06	1441	3.31	
02	CONSTD01	WAR060725-11	07/25/06	1507	3.32	
03	CONSTD02	WAR060725-12	07/25/06	1533	3.32	
04	CONSTD03	WAR060725-13	07/25/06	1600	3.32	
05	CONSTD04	WAR060725-14	07/25/06	1626	3.31	
06	CONSTD05	IAR060413-50	07/25/06	1652	3.32	
07	CONSTD01	WAR060413-50	07/25/06	1718	3.32	
08	PIBLK02	WAR060623-02	07/25/06	1745	3.32	
09	PBLK01	1201141176	07/25/06	1811	3.32	
10	PBLK01LCS	1201141177	07/25/06	1837	3.32	
11	PBLK01LCSD	1201142185	07/25/06	1903	3.32	
12	206071403	167394001	07/25/06	1929	3.31	
13	ZZZZZ	ZZZZZ	07/25/06	1955	3.32	
14	ZZZZZ	ZZZZZ	07/25/06	2021	3.32	
15	ZZZZZ	ZZZZZ	07/25/06	2048	3.32	
16	ZZZZZ	ZZZZZ	07/25/06	2114	3.32	
17	ZZZZZ	ZZZZZ	07/25/06	2140	3.32	
18	ZZZZZ	ZZZZZ	07/25/06	2206	3.32	
19	CONSTD02	WAR060725-13	07/25/06	2232	3.32	
20	PIBLK03	WAR060623-02	07/25/06	2258	3.32	
21	ZZZZZ	ZZZZZ	07/25/06	2324	3.32	
22	ZZZZZ	ZZZZZ	07/25/06	2350	3.32	
23	ZZZZZ	ZZZZZ	07/26/06	0016	3.32	
24	ZZZZZ	ZZZZZ	07/26/06	0042	3.32	
25	ZZZZZ	ZZZZZ	07/26/06	0108	3.32	
26	ZZZZZ	ZZZZZ	07/26/06	0134	3.32	
27	ZZZZZ	ZZZZZ	07/26/06	0200	3.32	
28	ZZZZZ	ZZZZZ	07/26/06	0226	3.35*	
29	ZZZZZ	ZZZZZ	07/26/06	0252	3.32	
30	ZZZZZ	ZZZZZ	07/26/06	0318	3.32	
31	CONSTD03	WAR060725-13	07/26/06	0344	3.32	
32	PIBLK04	WAR060623-02	07/26/06	0410	3.31	

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

168355

8D
PCB ANALYTICAL SEQUENCE

Lab Name: GENERAL ENGINEERING LAB, Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 167394

GC Column: DB-17MS ID: 0.25 (mm) Init. Calib. Date(s): 07/25/06 07/25/06

Instrument ID: ECD8A

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 4.44

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01	PIBLK01	WAR060623-02	07/25/06	1441	4.44	
02	CONSTD01	WAR060725-11	07/25/06	1507	4.44	
03	CONSTD02	WAR060725-12	07/25/06	1533	4.44	
04	CONSTD03	WAR060725-13	07/25/06	1600	4.44	
05	CONSTD04	WAR060725-14	07/25/06	1626	4.44	
06	CONSTD05	IAR060413-50	07/25/06	1652	4.44	
07	CONSTD01	WAR060413-50	07/25/06	1718	4.44	
08	PIBLK02	WAR060623-02	07/25/06	1745	4.44	
09	PBLK01	1201141176	07/25/06	1811	4.44	
10	PBLK01LCS	1201141177	07/25/06	1837	4.44	
11	PBLK01LCSD	1201142185	07/25/06	1903	4.44	
12	206071403	167394001	07/25/06	1929	4.44	
13	ZZZZZ	ZZZZZ	07/25/06	1955	4.44	
14	ZZZZZ	ZZZZZ	07/25/06	2021	4.44	
15	ZZZZZ	ZZZZZ	07/25/06	2048	4.44	
16	ZZZZZ	ZZZZZ	07/25/06	2114	4.44	
17	ZZZZZ	ZZZZZ	07/25/06	2140	4.44	
18	ZZZZZ	ZZZZZ	07/25/06	2206	4.44	
19	CONSTD02	WAR060725-13	07/25/06	2232	4.44	
20	PIBLK03	WAR060623-02	07/25/06	2258	4.44	
21	ZZZZZ	ZZZZZ	07/25/06	2324	4.44	
22	ZZZZZ	ZZZZZ	07/25/06	2350	4.44	
23	ZZZZZ	ZZZZZ	07/26/06	0016	4.44	
24	ZZZZZ	ZZZZZ	07/26/06	0042	4.44	
25	ZZZZZ	ZZZZZ	07/26/06	0108	4.44	
26	ZZZZZ	ZZZZZ	07/26/06	0134	4.44	
27	ZZZZZ	ZZZZZ	07/26/06	0200	4.44	
28	ZZZZZ	ZZZZZ	07/26/06	0226	4.46*	
29	ZZZZZ	ZZZZZ	07/26/06	0252	4.44	
30	ZZZZZ	ZZZZZ	07/26/06	0318	4.44	
31	CONSTD03	WAR060725-13	07/26/06	0344	4.44	
32	PIBLK04	WAR060623-02	07/26/06	0410	4.44	

S1 = 4cmx

QC LIMITS
(+/- 0.02 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

168356

Identification Summary

SDG Number: 167394 **Client ID:** LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	**Data File:**	010b1001GCAL1.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	25-JUL-06 18:37	**Analyzed:**	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							4.1
Column 1	1	13.5	13.4 – 13.5	3.42		ug/kg	
					3.42		
Column 2	1	17.5	17.5 – 17.6	3.29		ug/kg	
					3.29		
Decachlorobiphenyl							1.27
Column 1	1	16.1	16 – 16.1	2.85		ug/kg	
					2.85		
Column 2	1	20.7	20.7 – 20.7	2.82		ug/kg	
					2.82		
2,4'-Dichlorobiphenyl (8)							21.4
Column 1	1	3.93	3.91 – 3.95	3.69		ug/kg	
					3.69		
Column 2	1	5.37	5.35 – 5.39	2.98		ug/kg	
					2.98		
2,2',5-Trichlorobiphenyl (18)							11.2
Column 1	1	4.51	4.49 – 4.53	2.97		ug/kg	
					2.97		
Column 2	1	6.11	6.09 – 6.13	2.65		ug/kg	
					2.65		
2,4,4'-Trichlorobiphenyl (28)							.762
Column 1	1	5.28	5.27 – 5.31	3.16		ug/kg	
					3.16		
Column 2	1	6.95	6.93 – 6.97	3.19		ug/kg	
					3.19		

168357

Identification Summary

SDG Number: 167394 Client ID: LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	Data File:	010b1001GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 18:37	Analyzed:	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							2.98
Column 1	1	5.83	5.81 – 5.85	3.52		ug/kg	
					3.52		
Column 2	1	7.6	7.58 – 7.62	3.41		ug/kg	
					3.41		
Tetrachlorobiphenyl (49)							1.75
Column 1	1	5.86	5.84 – 5.88	2.72		ug/kg	
					2.72		
Column 2	1	7.68	7.66 – 7.7	2.67		ug/kg	
					2.67		
Tetrachlorobiphenyl (44)							1.61
Column 1	1	6.19	6.17 – 6.21	3.32		ug/kg	
					3.32		
Column 2	1	8.15	8.13 – 8.17	3.27		ug/kg	
					3.27		
Tetrachlorobiphenyl (66)							4.57
Column 1	1	6.95	6.93 – 6.97	2.87		ug/kg	
					2.87		
Column 2	1	9.14	9.13 – 9.17	2.75		ug/kg	
					2.75		
Pentachlorobiphenyl (101)							.546
Column 1	1	7.29	7.27 – 7.31	3.46		ug/kg	
					3.46		
Column 2	1	9.63	9.61 – 9.65	3.48		ug/kg	
					3.48		

168358

Identification Summary

SDG Number: 167394 Client ID: LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	Data File:	010b1001GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 18:37	Analyzed:	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							68.4
Column 1	1	7.81	7.79 – 7.83	2.74		ug/kg	
					2.74		
Column 2	1	10.5	10.5 – 10.5	5.59		ug/kg	
					5.59		
Tetrachlorobiphenyl (77)							5.28
Column 1	1	8.24	8.22 – 8.26	3.28		ug/kg	
					3.28		
Column 2	1	10.9	10.9 – 10.9	3.11		ug/kg	
					3.11		
Pentachlorobiphenyl (123)							2
Column 1	1	8.58	8.56 – 8.6	3.11		ug/kg	
					3.11		
Column 2	1	11.4	11.4 – 11.5	3.05		ug/kg	
					3.05		
Pentachlorobiphenyl (118)							5.26
Column 1	1	8.66	8.64 – 8.68	2.86		ug/kg	
					2.86		
Column 2	1	11.5	11.5 – 11.5	2.72		ug/kg	
					2.72		
Pentachlorobiphenyl (114)							3.96
Column 1	1	8.78	8.76 – 8.8	2.86		ug/kg	
					2.86		
Column 2	1	11.9	11.9 – 11.9	2.75		ug/kg	
					2.75		

168359

Identification Summary

SDG Number: 167394 Client ID: LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	Data File:	010b1001GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 18:37	Analyzed:	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							8.05
Column 1	1	8.82	8.8 – 8.84	3.09		ug/kg	
					3.09		
Column 2	1	12	11.9 – 12	2.85		ug/kg	
					2.85		
Hexachlorobiphenyl (153)							3.09
Column 1	1	9.1	9.08 – 9.12	3.06		ug/kg	
					3.06		
Column 2	1	12.1	12 – 12.1	2.97		ug/kg	
					2.97		
Pentachlorobiphenyl (105)							2.24
Column 1	1	9.28	9.26 – 9.3	2.84		ug/kg	
					2.84		
Column 2	1	12.5	12.5 – 12.6	2.78		ug/kg	
					2.78		
Hexachlorobiphenyl (138)							1.76
Column 1	1	9.76	9.74 – 9.78	3.17		ug/kg	
					3.17		
Column 2	1	13.2	13.1 – 13.2	3.11		ug/kg	
					3.11		
Heptachlorobiphenyl (183)							3.17
Column 1	1	10.2	10.2 – 10.2	2.75		ug/kg	
					2.75		
Column 2	1	13.6	13.6 – 13.7	2.84		ug/kg	
					2.84		

168360

Identification Summary

SDG Number: 167394 Client ID: LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	Data File:	010b1001GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 18:37	Analyzed:	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							6.43
Column 1	1	10.2	10.2 - 10.2	3.2		ug/kg	
					3.2		
Column 2	1	13.5	13.5 - 13.6	3		ug/kg	
					3		
Hexachlorobiphenyl (128)							2.6
Column 1	1	10.5	10.5 - 10.5	2.87		ug/kg	
					2.87		
Column 2	1	14.3	14.3 - 14.3	2.8		ug/kg	
					2.8		
Hexachlorobiphenyl (167)							.248
Column 1	1	10.6	10.6 - 10.7	3.04		ug/kg	
					3.04		
Column 2	1	14	14 - 14	3.05		ug/kg	
					3.05		
Hexachlorobiphenyl (156)							1.98
Column 1	1	11.2	11.2 - 11.2	3.2		ug/kg	
					3.2		
Column 2	1	14.9	14.9 - 14.9	3.14		ug/kg	
					3.14		
Hexachlorobiphenyl (157)							.252
Column 1	1	11.4	11.3 - 11.4	3.29		ug/kg	
					3.29		
Column 2	1	15.2	15.2 - 15.2	3.3		ug/kg	
					3.3		

168361

SDG Number: 167394 **Client ID:** LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	**Data File:**	010b1001GCAL1.d
Inst:	ECD8A.I_1	**Inst:**	ECD8A.I_2
Column:	1	**Column:**	2
Analyzed:	25-JUL-06 18:37	**Analyzed:**	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							.0455
Column 1	1	11.6	11.6 – 11.6	2.7	2.7	ug/kg	
Column 2	1	15.3	15.3 – 15.4	2.7	2.7	ug/kg	
Hexachlorobiphenyl (169)							2.02
Column 1	1	12.5	12.5 – 12.5	2.83	2.83	ug/kg	
Column 2	1	16.2	16.2 – 16.3	2.77	2.77	ug/kg	
Heptachlorobiphenyl (170)							3.49
Column 1	1	12.4	12.4 – 12.4	2.94	2.94	ug/kg	
Column 2	1	16.6	16.6 – 16.6	2.84	2.84	ug/kg	
Heptachlorobiphenyl (187)							2.13
Column 1	1	10.1	10.1 – 10.1	3.03	3.03	ug/kg	
Column 2	1	13.5	13.5 – 13.5	2.96	2.96	ug/kg	
Octachlorobiphenyl (195)							.417
Column 1	1	13.5	13.5 – 13.6	2.83	2.83	ug/kg	
Column 2	1	18.1	18.1 – 18.1	2.82	2.82	ug/kg	

168362

Identification Summary

SDG Number: 167394 Client ID: LCS for batch 550548

Lab Sample ID: 1201141177

Data File:	010f1001GCAL1.d	Data File:	010b1001GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 18:37	Analyzed:	25-JUL-06 18:37

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							1.34
Column 1	1	15.4	15.4 – 15.4	3.16	3.16	ug/kg	
Column 2	1	20	20 – 20	3.12	3.12	ug/kg	

168363

Identification Summary

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (189)							3.49
Column 1	1	13.5	13.4 – 13.5	3.74		ug/kg	
					3.74		
Column 2	1	17.5	17.5 – 17.6	3.61		ug/kg	
					3.61		
Decachlorobiphenyl							.592
Column 1	1	16.1	16 – 16.1	3.09		ug/kg	
					3.09		
Column 2	1	20.7	20.7 – 20.7	3.07		ug/kg	
					3.07		
2,4'-Dichlorobiphenyl (8)							22.3
Column 1	1	3.93	3.91 – 3.95	3.76		ug/kg	
					3.76		
Column 2	1	5.37	5.35 – 5.39	3.01		ug/kg	
					3.01		
2,2',5-Trichlorobiphenyl (18)							11.5
Column 1	1	4.51	4.49 – 4.53	3.04		ug/kg	
					3.04		
Column 2	1	6.11	6.09 – 6.13	2.71		ug/kg	
					2.71		
2,4,4'-Trichlorobiphenyl (28)							.981
Column 1	1	5.28	5.27 – 5.31	3.24		ug/kg	
					3.24		
Column 2	1	6.95	6.93 – 6.97	3.27		ug/kg	
					3.27		

168364

Identification Summary

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Tetrachlorobiphenyl (52)							3.86
Column 1	1	5.83	5.81 – 5.85	3.67		ug/kg	
					3.67		
Column 2	1	7.6	7.58 – 7.62	3.53		ug/kg	
					3.53		
Tetrachlorobiphenyl (49)							.923
Column 1	1	5.86	5.84 – 5.88	2.78		ug/kg	
					2.78		
Column 2	1	7.68	7.66 – 7.7	2.75		ug/kg	
					2.75		
Tetrachlorobiphenyl (44)							1.7
Column 1	1	6.19	6.17 – 6.21	3.45		ug/kg	
					3.45		
Column 2	1	8.15	8.13 – 8.17	3.39		ug/kg	
					3.39		
Tetrachlorobiphenyl (66)							4.24
Column 1	1	6.94	6.93 – 6.97	2.99		ug/kg	
					2.99		
Column 2	1	9.14	9.13 – 9.17	2.87		ug/kg	
					2.87		
Pentachlorobiphenyl (101)							1.53
Column 1	1	7.29	7.27 – 7.31	3.58		ug/kg	
					3.58		
Column 2	1	9.63	9.61 – 9.65	3.63		ug/kg	
					3.63		

168365

Identification Summary

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (87)							69.8
Column 1	1	7.81	7.79 – 7.83	2.86		ug/kg	
					2.86		
Column 2	1	10.5	10.5 – 10.5	5.93		ug/kg	
					5.93		
Tetrachlorobiphenyl (77)							2.47
Column 1	1	8.24	8.22 – 8.26	3.42		ug/kg	
					3.42		
Column 2	1	10.9	10.9 – 10.9	3.33		ug/kg	
					3.33		
Pentachlorobiphenyl (123)							.117
Column 1	1	8.58	8.56 – 8.6	3.27		ug/kg	
					3.27		
Column 2	1	11.4	11.4 – 11.5	3.28		ug/kg	
					3.28		
Pentachlorobiphenyl (118)							3.43
Column 1	1	8.66	8.64 – 8.68	3.01		ug/kg	
					3.01		
Column 2	1	11.5	11.5 – 11.5	2.91		ug/kg	
					2.91		
Pentachlorobiphenyl (114)							2.66
Column 1	1	8.77	8.76 – 8.8	3.02		ug/kg	
					3.02		
Column 2	1	11.9	11.9 – 11.9	2.94		ug/kg	
					2.94		

168366

Identification Summary

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (184)							7.34
Column 1	1	8.82	8.8 – 8.84	3.29		ug/kg	
					3.29		
Column 2	1	12	11.9 – 12	3.06		ug/kg	
					3.06		
Hexachlorobiphenyl (153)							1.07
Column 1	1	9.1	9.08 – 9.12	3.23		ug/kg	
					3.23		
Column 2	1	12.1	12 – 12.1	3.19		ug/kg	
					3.19		
Pentachlorobiphenyl (105)							1.11
Column 1	1	9.27	9.26 – 9.3	3.07		ug/kg	
					3.07		
Column 2	1	12.5	12.5 – 12.6	3.04		ug/kg	
					3.04		
Hexachlorobiphenyl (138)							.669
Column 1	1	9.76	9.74 – 9.78	3.42		ug/kg	
					3.42		
Column 2	1	13.1	13.1 – 13.2	3.4		ug/kg	
					3.4		
Heptachlorobiphenyl (183)							4.62
Column 1	1	10.2	10.2 – 10.2	2.98		ug/kg	
					2.98		
Column 2	1	13.6	13.6 – 13.7	3.12		ug/kg	
					3.12		

168367

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Pentachlorobiphenyl (126)							3.49
Column 1	1	10.2	10.2 – 10.2	3.41		ug/kg	
					3.41		
Column 2	1	13.5	13.5 – 13.6	3.3		ug/kg	
					3.3		
Hexachlorobiphenyl (128)							2.07
Column 1	1	10.5	10.5 – 10.5	3.15		ug/kg	
					3.15		
Column 2	1	14.3	14.3 – 14.3	3.09		ug/kg	
					3.09		
Hexachlorobiphenyl (167)							.124
Column 1	1	10.6	10.6 – 10.7	3.35		ug/kg	
					3.35		
Column 2	1	14	14 – 14	3.36		ug/kg	
					3.36		
Hexachlorobiphenyl (156)							1.43
Column 1	1	11.2	11.2 – 11.2	3.53		ug/kg	
					3.53		
Column 2	1	14.9	14.9 – 14.9	3.48		ug/kg	
					3.48		
Hexachlorobiphenyl (157)							.476
Column 1	1	11.4	11.3 – 11.4	3.64		ug/kg	
					3.64		
Column 2	1	15.2	15.2 – 15.2	3.65		ug/kg	
					3.65		

168368

Identification Summary

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Heptachlorobiphenyl (180)							.685
Column 1	1	11.6	11.6 – 11.6	3	3	ug/kg	
Column 2	1	15.3	15.3 – 15.4	2.98	2.98	ug/kg	
Hexachlorobiphenyl (169)							.792
Column 1	1	12.5	12.5 – 12.5	3.07	3.07	ug/kg	
Column 2	1	16.2	16.2 – 16.3	3.04	3.04	ug/kg	
Heptachlorobiphenyl (170)							2.69
Column 1	1	12.4	12.4 – 12.4	3.21	3.21	ug/kg	
Column 2	1	16.6	16.6 – 16.6	3.13	3.13	ug/kg	
Heptachlorobiphenyl (187)							.677
Column 1	1	10.1	10.1 – 10.1	3.28	3.28	ug/kg	
Column 2	1	13.5	13.5 – 13.5	3.26	3.26	ug/kg	
Octachlorobiphenyl (195)							.153
Column 1	1	13.5	13.5 – 13.6	3.1	3.1	ug/kg	
Column 2	1	18.1	18.1 – 18.1	3.11	3.11	ug/kg	

168369

Identification Summary

SDG Number: 167394 Client ID: LCSD for batch 550548

Lab Sample ID: 1201142185

Data File:	011f1101GCAL1.d	Data File:	011b1101GCAL1.d
Inst:	ECD8A.I_1	Inst:	ECD8A.I_2
Column:	1	Column:	2
Analyzed:	25-JUL-06 19:03	Analyzed:	25-JUL-06 19:03

Analyte	Peak	RT	RT Window	Conc.	Ave Conc.	Units	RPD
Nonachlorobiphenyl (206)							1.04
Column 1	1	15.4	15.4 - 15.4	3.42	3.42	ug/kg	
Column 2	1	20	20 - 20	3.39	3.39	ug/kg	

168370

QUALITY CONTROL DATA

168371

PCB
Certificate of Analysis
Sample Summary

SDG Number:	167394			Matrix:	SOIL
Lab Sample ID:	1201141176				
Client Sample:	QC for batch 550548	Client:	GCAL001	Project:	QC
Client ID:	MB for batch 550548	Method:	SW846 8082	SOP Ref:	GL-OA-E-040
Batch ID:	550549	Inst:	ECD8A.I	Dilution:	1
Run Date:	07/25/2006 18:11	Analyst:	KXY1	Inj. Vol:	1 uL
Prep Date:	07/24/2006 10:00	Aliquot:	30 g	Final Volume:	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*	U	0.333	ug/kg	0.193	0.333
2051-24-3	Decachlorobiphenyl	U	0.333	ug/kg	0.333	0.333
34883-43-7	2,4'-Dichlorobiphenyl (8)	U	0.333	ug/kg	0.233	0.333
37680-65-2	2,2',5-Trichlorobiphenyl (18)	U	0.333	ug/kg	0.278	0.333
7012-37-5	2,4,4'-Trichlorobiphenyl (28)	U	0.333	ug/kg	0.207	0.333
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*	U	0.333	ug/kg	0.187	0.333
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*	U	0.333	ug/kg	0.137	0.333
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*	U	0.333	ug/kg	0.119	0.333
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*	U	0.333	ug/kg	0.147	0.333
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*	U	0.333	ug/kg	0.175	0.333
38380-02-8	Pentachlorobiphenyl (87)	U	0.333	ug/kg	0.221	0.333
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*	U	0.333	ug/kg	0.299	0.333
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*	U	0.333	ug/kg	0.131	0.333
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*	U	0.333	ug/kg	0.265	0.333
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*	U	0.333	ug/kg	0.191	0.333
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*	U	0.333	ug/kg	0.112	0.333
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*	U	0.333	ug/kg	0.117	0.333
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*	U	0.333	ug/kg	0.161	0.333
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*	U	0.333	ug/kg	0.243	0.333
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*	U	0.333	ug/kg	0.124	0.333
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*	U	0.333	ug/kg	0.185	0.333

168372

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**167394**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201141176**				
Client Sample:	**QC for batch 550548**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**MB for batch 550548**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**550549**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**07/25/2006 18:11**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**07/24/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*	U	0.333	ug/kg	0.161	0.333
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*	U	0.333	ug/kg	0.116	0.333
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*	U	0.333	ug/kg	0.124	0.333
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*	U	0.333	ug/kg	0.216	0.333
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*	U	0.333	ug/kg	0.108	0.333
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*	U	0.333	ug/kg	0.219	0.333
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*	U	0.333	ug/kg	0.101	0.333
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*	U	0.333	ug/kg	0.096	0.333
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*	U	0.333	ug/kg	0.105	0.333
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*	U	0.333	ug/kg	0.106	0.333

168373

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**167394**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201141177**				
Client Sample:	**QC for batch 550548**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**LCS for batch 550548**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**550549**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**07/25/2006 18:37**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**07/24/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		3.42	ug/kg	0.193	0.333
2051-24-3	Decachlorobiphenyl		2.86	ug/kg	0.333	0.333
34883-43-7	2,4'-Dichlorobiphenyl (8)		3.69	ug/kg	0.233	0.333
37680-65-2	2,2',5-Trichlorobiphenyl (18)		2.97	ug/kg	0.278	0.333
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		3.16	ug/kg	0.207	0.333
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		3.52	ug/kg	0.187	0.333
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		2.72	ug/kg	0.137	0.333
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		3.32	ug/kg	0.119	0.333
32598-10-0	2,3'4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		2.87	ug/kg	0.147	0.333
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		3.46	ug/kg	0.175	0.333
38380-02-8	Pentachlorobiphenyl (87)	P	2.74	ug/kg	0.221	0.333
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		3.28	ug/kg	0.299	0.333
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		3.11	ug/kg	0.131	0.333
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		2.86	ug/kg	0.265	0.333
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		2.86	ug/kg	0.191	0.333
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		3.09	ug/kg	0.112	0.333
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		3.06	ug/kg	0.117	0.333
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		2.84	ug/kg	0.161	0.333
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		3.17	ug/kg	0.243	0.333
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		2.75	ug/kg	0.124	0.333
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		3.20	ug/kg	0.185	0.333

168374

PCB
Certificate of Analysis
Sample Summary

SDG Number:	**167394**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201141177**				
Client Sample:	**QC for batch 550548**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**LCS for batch 550548**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**550549**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**07/25/2006 18:37**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**07/24/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (128)*		2.87	ug/kg	0.161	0.333
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (167)*		3.04	ug/kg	0.116	0.333
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1. *Hexachlorobiphenyl (156)*		3.20	ug/kg	0.124	0.333
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (157)*		3.29	ug/kg	0.216	0.333
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		2.70	ug/kg	0.108	0.333
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (: *Hexachlorobiphenyl (169)*		2.83	ug/kg	0.219	0.333
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		2.94	ug/kg	0.101	0.333
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		3.03	ug/kg	0.096	0.333
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		2.83	ug/kg	0.105	0.333
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		3.16	ug/kg	0.106	0.333

168375

PCB
Certificate of Analysis
Sample Summary

SDG Number:	167394			**Matrix:**	SOIL
Lab Sample ID:	1201142185				
Client Sample:	QC for batch 550548	**Client:**	GCAL001	**Project:**	QC
Client ID:	LCSD for batch 550548	**Method:**	SW846 8082	**SOP Ref:**	GL-OA-E-040
Batch ID:	550549	**Inst:**	ECD8A.I	**Dilution:**	1
Run Date:	07/25/2006 19:03	**Analyst:**	KXY1	**Inj. Vol:**	1 uL
Prep Date:	07/24/2006 10:00	**Aliquot:**	30 g	**Final Volume:**	1 mL

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
39635-31-9	2,3,3',4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (189)*		3.74	ug/kg	0.193	0.333
2051-24-3	Decachlorobiphenyl		3.09	ug/kg	0.333	0.333
34883-43-7	2,4'-Dichlorobiphenyl (8)		3.76	ug/kg	0.233	0.333
37680-65-2	2,2',5-Trichlorobiphenyl (18)		3.04	ug/kg	0.278	0.333
7012-37-5	2,4,4'-Trichlorobiphenyl (28)		3.24	ug/kg	0.207	0.333
35693-99-3	2,2',5,5'-Tetrachlorobiphenyl *Tetrachlorobiphenyl (52)*		3.67	ug/kg	0.187	0.333
41464-40-8	2,2',4,5'-Tetrachlorobiphenyl (49) *Tetrachlorobiphenyl (49)*		2.78	ug/kg	0.137	0.333
41464-39-5	2,2',3,5'-Tetrachlorobiphenyl (44) *Tetrachlorobiphenyl (44)*		3.45	ug/kg	0.119	0.333
32598-10-0	2,3',4,4'-Tetrachlorobiphenyl (66) *Tetrachlorobiphenyl (66)*		2.99	ug/kg	0.147	0.333
37680-73-2	2,2',4,5,5'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (101)*		3.58	ug/kg	0.175	0.333
38380-02-8	Pentachlorobiphenyl (87)	P	2.86	ug/kg	0.221	0.333
32598-13-3	3,3',4,4'-Tetrachlorobiphenyl (77) *Tetrachlorobiphenyl (77)*		3.42	ug/kg	0.299	0.333
65510-44-3	2',3,4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (123)*		3.27	ug/kg	0.131	0.333
31508-00-6	2,3',4,4',5-Pentachlorobiphenyl (11 *Pentachlorobiphenyl (118)*		3.01	ug/kg	0.265	0.333
74472-37-0	2,3,4,4',5-Pentachlorobiphenyl (114 *Pentachlorobiphenyl (114)*		3.02	ug/kg	0.191	0.333
74472-48-3	2,2',3,4,4',6,6'-Heptachlorobipheny *Heptachlorobiphenyl (184)*		3.29	ug/kg	0.112	0.333
35065-27-1	2,2',4,4',5,5'-Hexachlorobipher *Hexachlorobiphenyl (153)*		3.23	ug/kg	0.117	0.333
32598-14-4	2,3,3',4,4'-Pentachlorobiphenyl (10 *Pentachlorobiphenyl (105)*		3.07	ug/kg	0.161	0.333
35065-28-2	2,2',3,4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (138)*		3.42	ug/kg	0.243	0.333
52663-69-1	2,2',3,4,4',5',6-Heptachlorobipheny *Heptachlorobiphenyl (183)*		2.98	ug/kg	0.124	0.333
57465-28-8	3,3',4,4',5-Pentachlorobiphenyl (12 *Pentachlorobiphenyl (126)*		3.41	ug/kg	0.185	0.333

168376

PCB

Certificate of Analysis
Sample Summary

SDG Number:	**167394**			**Matrix:**	**SOIL**
Lab Sample ID:	**1201142185**				
Client Sample:	**QC for batch 550548**	**Client:**	**GCAL001**	**Project:**	**QC**
Client ID:	**LCSD for batch 550548**	**Method:**	**SW846 8082**	**SOP Ref:**	**GL-OA-E-040**
Batch ID:	**550549**	**Inst:**	**ECD8A.I**	**Dilution:**	**1**
Run Date:	**07/25/2006 19:03**	**Analyst:**	**KXY1**	**Inj. Vol:**	**1 uL**
Prep Date:	**07/24/2006 10:00**	**Aliquot:**	**30 g**	**Final Volume:**	**1 mL**

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
38380-07-3	2,2',3,3',4,4'-Hexachlorobiphenyl (*Hexachlorobiphenyl (128)*		3.15	ug/kg	0.161	0.333
52663-72-6	2,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (167)*		3.35	ug/kg	0.116	0.333
38380-08-4	2,3,3',4,4',5-Hexachlorobiphenyl (1 *Hexachlorobiphenyl (156)*		3.53	ug/kg	0.124	0.333
69782-90-7	2,3,3',4,4',5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (157)*		3.64	ug/kg	0.216	0.333
35065-29-3	2,2',3,4,4',5,5'-Heptachlorobipheny *Heptachlorobiphenyl (180)*		3.00	ug/kg	0.108	0.333
32774-16-6	3,3',4,4',5,5'-Hexachlorobiphenyl (*Hexachlorobiphenyl (169)*		3.07	ug/kg	0.219	0.333
35065-30-6	2,2',3,3',4,4',5-Heptachlorobipheny *Heptachlorobiphenyl (170)*		3.21	ug/kg	0.101	0.333
52663-68-0	2,2',3,4',5,5',6-Heptachlorobipheny *Heptachlorobiphenyl (187)*		3.28	ug/kg	0.096	0.333
52663-78-2	2,2',3,3',4,4',5,6-Octachlorobipheny *Octachlorobiphenyl (195)*		3.10	ug/kg	0.105	0.333
40186-72-9	2,2',3,3',4,4',5,5',6-Nonachlorobiph *Nonachlorobiphenyl (206)*		3.43	ug/kg	0.106	0.333

168377

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

206080915
~~206071714~~ mn

Lab use only			
PBW	4482	~~206071515~~	7/21/06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: PBW
Address:
Contact: Eric Matzner
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number:
Project Name/Number: Gulfco Marine Maintenance Superfund site

Sampled By: David Marhofer Benchmark Ecological Services, Inc.

Analytical Requests & Method

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

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	VOCs	Congeners *	SVOCs	Metals	PCBs	Pesticides	TOC	Grain Size *	Remarks:	Lab ID
SD	7-14-06	1405		✓	NA1SE01-001-(0-0.5)	HNO3 4°C	4	X	~~X~~ 7-14-06	X	X	X	X	X	X	Do not analyze congeners	7/15 ~~16m~~
		1415		✓	NB1SE05-005-(0-0.5)		4	X		X	X	X	X	X	X		~~17m~~
		1355		✓	NB2SE06-006-(0-0.5)		4	X		X	X	X	X	X	X		~~18m~~
		1220		✓	NC1SE09-009-(0-0.5)		5	X	X	X	X	X	X	X	X	2060717140-3	~~19m~~
		1430		✓	NC2SE10-010-(0-0.5)		4	X		X	X	X	X	X	X		~~20m~~
		1215		✓	NC3SE11-011-(0-0.5)		4	X		X	X	X	X	X	X		~~21m~~

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]		7-14-06	1630
Fed Ex	[signature]	7/15/06	1020

Note:
* ~~SK's are in a separate~~ WO mn
PCB congeners are in this workorder only.

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

168378

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206080915	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	45885	**Created:**	8/9/2006 10:07
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**
20607171403-1	4	NONE			X			X	OK

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

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

LABEL(S) VERIFIED RBG CUSTODIAN

168379