NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

7979 GSRI Avenue

Baton Rouge, LA 70820

Report Date 01/03/2011

GCAL Report 210123108

Deliver To	Pastor, Behling, Wheeler 2201 Double Creek Drive Round Rock, TX 78664 512-671-3434
Attn	Eric Pastor

Project Gulfco Marine Maintenance Site

9191499

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 210123108

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

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, samples 21012310802 (N. CONTAINMENT(NW)) and 21012310803 (N. CONTAINMENT(NE)) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

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 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 NELAC standard and 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.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Robyn Migues
Technical Director
GCAL REPORT 210123108

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310801	S. CONTAINMENT	Water	12/30/2010 13:25	12/31/2010 08:50
21012310802	N. CONTAINMENT(NW)	Water	12/30/2010 13:45	12/31/2010 08:50
21012310803	N. CONTAINMENT(NE)	Water	12/30/2010 14:05	12/31/2010 08:50
21012310804	TRIP BLANK	Water	12/30/2010 14:10	12/31/2010 08:50

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310801	**S. CONTAINMENT**	Water	12/30/2010 13:25	12/31/2010 08:50

SW-846 8260B

CAS#	Parameter	Result	RDL	MDL	Units
71-43-2	Benzene	5.66	5	0.054	ug/L
67-66-3	Chloroform	1.54J	5	0.057	ug/L
127-18-4	Tetrachloroethene	10.7	5	0.121	ug/L
79-01-6	Trichloroethene	11.1	5	0.062	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310802	**N. CONTAINMENT(NW)**	Water	12/30/2010 13:45	12/31/2010 08:50

SW-846 8260B

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	7290	250	4.30	ug/L
71-43-2	Benzene	2000	250	2.71	ug/L
67-66-3	Chloroform	5290	250	2.83	ug/L
127-18-4	Tetrachloroethene	252	250	6.05	ug/L
79-01-6	Trichloroethene	1930	250	3.09	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310803	**N. CONTAINMENT(NE)**	Water	12/30/2010 14:05	12/31/2010 08:50

SW-846 8260B

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	580	500	8.60	ug/L
71-43-2	Benzene	137J	500	5.42	ug/L
67-66-3	Chloroform	8660	500	5.65	ug/L
127-18-4	Tetrachloroethene	225J	500	12.1	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310801	**S. CONTAINMENT**	Water	12/30/2010 13:25	12/31/2010 08:50

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/31/2010 19:18	RJU	448261

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	5U	5	0.086	ug/L
71-43-2	**Benzene**	**5.66**	**5**	**0.054**	**ug/L**
67-66-3	**Chloroform**	**1.54J**	**5**	**0.057**	**ug/L**
127-18-4	**Tetrachloroethene**	**10.7**	**5**	**0.121**	**ug/L**
79-01-6	**Trichloroethene**	**11.1**	**5**	**0.062**	**ug/L**
75-01-4	Vinyl chloride	5U	5	0.093	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	50.8	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	50	51.2	ug/L	102	77 - 127
2037-26-5	Toluene d8	50	51.2	ug/L	102	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	51.9	ug/L	104	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310802	**N. CONTAINMENT(NW)**	Water	12/30/2010 13:45	12/31/2010 08:50

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			50	12/31/2010 19:39	RJU	448261

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	**1,2-Dichloroethane**	**7290**	**250**	**4.30**	**ug/L**
71-43-2	**Benzene**	**2000**	**250**	**2.71**	**ug/L**
67-66-3	**Chloroform**	**5290**	**250**	**2.83**	**ug/L**
127-18-4	**Tetrachloroethene**	**252**	**250**	**6.05**	**ug/L**
79-01-6	**Trichloroethene**	**1930**	**250**	**3.09**	**ug/L**
75-01-4	Vinyl chloride	250U	250	4.65	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	2500	2590	ug/L	104	78 - 130
1868-53-7	Dibromofluoromethane	2500	2450	ug/L	98	77 - 127
2037-26-5	Toluene d8	2500	2630	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	2500	2520	ug/L	101	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310803	**N. CONTAINMENT(NE)**	Water	12/30/2010 14:05	12/31/2010 08:50

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			100	12/31/2010 20:00	RJU	448261

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	**1,2-Dichloroethane**	**580**	**500**	**8.60**	**ug/L**
71-43-2	**Benzene**	**137J**	**500**	**5.42**	**ug/L**
67-66-3	**Chloroform**	**8660**	**500**	**5.65**	**ug/L**
127-18-4	**Tetrachloroethene**	**225J**	**500**	**12.1**	**ug/L**
79-01-6	Trichloroethene	500U	500	6.18	ug/L
75-01-4	Vinyl chloride	500U	500	9.30	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	5000	5120	ug/L	102	78 - 130
1868-53-7	Dibromofluoromethane	5000	5250	ug/L	105	77 - 127
2037-26-5	Toluene d8	5000	5180	ug/L	104	76 - 134
17060-07-0	1,2-Dichloroethane-d4	5000	5150	ug/L	103	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21012310804	**TRIP BLANK**	Water	12/30/2010 14:10	12/31/2010 08:50

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/31/2010 18:58	RJU	448261

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	5U	5	0.086	ug/L
71-43-2	Benzene	5U	5	0.054	ug/L
67-66-3	Chloroform	5U	5	0.057	ug/L
127-18-4	Tetrachloroethene	5U	5	0.121	ug/L
79-01-6	Trichloroethene	5U	5	0.062	ug/L
75-01-4	Vinyl chloride	5U	5	0.093	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	47.9	ug/L	96	78 - 130
1868-53-7	Dibromofluoromethane	50	49.1	ug/L	98	77 - 127
2037-26-5	Toluene d8	50	52.7	ug/L	105	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	50.3	ug/L	101	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 448261		**Client ID**	MB448261			LCS448261			LCSD448261		
Prep Batch N/A		**GCAL ID**	909344			909345			909346		
		Sample Type	Method Blank			LCS			LCSD		
		Analytical Date	12/31/2010 17:55			12/31/2010 16:44			12/31/2010 17:05		
		Matrix	Water			Water			Water		
SW-846 8260B		**Units**	**Result**	ug/L **RDL**	**Spike Added**	**Result**	**% R**	**Control Limits % R**	**Result**	**% R**	**RPD**	**RPD Limit**
67-66-3	Chloroform		5U	5	50.0	46.2	92	75 - 122	45.7	91	1	30
107-06-2	1,2-Dichloroethane		5U	5	50.0	45.1	90	71 - 129	44.8	90	0.7	30
127-18-4	Tetrachloroethene		5U	5	50.0	49.6	99	68 - 128	49.4	99	0.4	30
75-01-4	Vinyl chloride		5U	5	50.0	49.1	98	68 - 132	48.9	98	0.4	30
75-35-4	1,1-Dichloroethene		5U	5	50.0	49.0	98	69 - 129	48.3	97	1	20
71-43-2	Benzene		5U	5	50.0	48.5	97	70 - 129	48.2	96	0.6	20
79-01-6	Trichloroethene		5U	5	50.0	47.3	95	76 - 129	47.7	95	0.8	20
108-88-3	Toluene		5U	5	50.0	47.5	95	72 - 120	48.2	96	1	20
108-90-7	Chlorobenzene		5U	5	50.0	47.9	96	74 - 123	47.7	95	0.4	20
Surrogate												
460-00-4	4-Bromofluorobenzene		47.8	96	50	49.7	99	78 - 130	49.4	99		
1868-53-7	Dibromofluoromethane		48.7	97	50	49.3	99	77 - 127	49.3	99		
2037-26-5	Toluene d8		52.5	105	50	49.6	99	76 - 134	50.1	100		
17060-07-0	1,2-Dichloroethane-d4		49.1	98	50	48.9	98	71 - 127	48.9	98		

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
PASTOR, BEHLING, & WHEELER	4482	21012316B	1/04/11

Report to:
Client: Pastor, Behling & Wheeler
Address: 2201 Double Creek Dr, Ste 4004
Round Rock, TX 78664
Contact: Eric Pastor
Phone: (512) 671-3434
Fax: (512) 671-3446

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

P.O. Number: 1597B
Project Name/Number: Gulfco/1597B
Sampled By:

Analytical Requests & Method

Lab use only:
Custody Seal used ☐ yes ☐ no
intact ☐ yes ☐ no
Temperature °C 3.8°C

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Benzene	Chloroform	1,2-dichloroethane	Trichloroethylene	Tetrachloroethylene	Vinyl Chloride	Remarks:	Lab ID
W	12/30/10	1325		X	S. Containment	HCL	3	X	X	X	X	X	X		1
W	↓	1345		X	N. Containment (NW)	HCL	3	X	X	X	X	X	X		2
W	↓	1405		X	N. Containment (NE)	HCL	3	X	X	X	X	X	X		3
W	↓	1410		X	Trip Blank	None	3	X	X	X	X	X	X		4

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	Fedex		
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	[illegible]	12/31/10	08:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:

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

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

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

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

GCAL-06 11/98

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.
7979 GSRI Avenue
Baton Rouge, LA 70820

Report Date 01/18/2011

GCAL Report 211011405

Deliver To	Pastor, Behling, Wheeler 2201 Double Creek Drive Round Rock, TX 78664 512-671-3434
Attn	Eric Pastor

Project GULFCO AST Removal

CASE NARRATIVE

Client: Pastor, Behling, Wheeler **Report:** 211011405

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

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis, samples 21101140501 (T-15-F), 21101140502 (T-15-F MS), 21101140503 (T-15-F MSD), 21101140504 (T-21-F), 21101140505 (NC-0-0.3), 21101140506 (T-2-WEST), 21101140507 (T-6-FLOOR), 21101140508 (T-6-EAST), 21101140509 (T-6-SOUTH), 21101140510 (T-6-NORTH), 21101140511 (BLIND DUP), 21101140512 (SC-W), and 21101140513 (SC-E) had to be diluted to bracket the concentration of target compounds within the calibration range of the instrument. The dilutions are reflected in elevated detection limits.

In the SW-846 8260B analysis for analytical batch 449013, the MS/MSD exhibited recovery and RPD failures. All LCS/LCSD recoveries and RPDs are acceptable.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, sample 21101140504 (T-21-F) had to be diluted to bracket the concentration of a target compound within the calibration range of the instrument. The recoveries for the surrogates are reported as D, diluted out for the diluted run performed on this sample.

In the SW-846 8270C analysis of prep batch 448916, the MS/MSD and LCS/LCSD recoveries are below the lower control limit for Benzaldehyde.. The LCS/LCSD RPD is above the control limit for Aniline. These are poor performing compounds so no corrective action was taken.

In the SW-846 8270C analysis for prep batch 448924, the LCS/LCSD exhibited recoveries above the established control limits for Aniline and Benzaldehyde. These are poor performing compounds that were not detected in the associated samples.

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
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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 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.

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I certify that this data package is in compliance with the NELAC standard and 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.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

Robyn Migues

Robyn Migues
Technical Director
GCAL REPORT 211011405

THIS REPORT CONTAINS 277 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21101140501	T-15-F	Solid	01/13/2011 14:00	01/14/2011 09:15
21101140502	T-15-F MS	Solid	01/13/2011 14:00	01/14/2011 09:15
21101140503	T-15-F MSD	Solid	01/13/2011 14:00	01/14/2011 09:15
21101140504	T-21-F	Solid	01/13/2011 14:45	01/14/2011 09:15
21101140505	NC-0-0.3	Solid	01/13/2011 14:55	01/14/2011 09:15
21101140506	T-2-WEST	Solid	01/13/2011 15:05	01/14/2011 09:15
21101140507	T-6-FLOOR	Solid	01/13/2011 15:35	01/14/2011 09:15
21101140508	T-6-EAST	Solid	01/13/2011 15:55	01/14/2011 09:15
21101140509	T-6-SOUTH	Solid	01/13/2011 16:15	01/14/2011 09:15
21101140510	T-6-NORTH	Solid	01/13/2011 16:25	01/14/2011 09:15
21101140511	BLIND DUP	Solid	01/13/2011 00:00	01/14/2011 09:15
21101140512	SC-W	Solid	01/13/2011 16:45	01/14/2011 09:15
21101140513	SC-E	Solid	01/13/2011 16:55	01/14/2011 09:15
21101140514	EQUIPMENT BLANK	Water	01/13/2011 17:10	01/14/2011 09:15
21101140515	TRIP BLANK 1	Water	01/13/2011 17:15	01/14/2011 09:15
21101140516	TRIP BLANK 2	Water	01/13/2011 17:20	01/14/2011 09:15

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.18 (g/ml) g Lab Sample ID: 21101140501

Level: (low/med) LOW Lab File ID: 2110116/a8965

% Moisture: not dec. 16.2 Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1118

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.241	U	0.00507	0.241
71-55-6	1,1,1-Trichloroethane	0.241	U	0.011	0.241
79-34-5	1,1,2,2-Tetrachloroethane	0.241	U	0.013	0.241
79-00-5	1,1,2-Trichloroethane	0.241	U	0.011	0.241
75-34-3	1,1-Dichloroethane	0.241	U	0.016	0.241
75-35-4	1,1-Dichloroethene	0.241	U	0.032	0.241
563-58-6	1,1-Dichloropropene	0.241	U	0.010	0.241
96-18-4	1,2,3-Trichloropropane	0.097	U	0.017	0.097
120-82-1	1,2,4-Trichlorobenzene	0.241	U	0.015	0.241
95-63-6	1,2,4-Trimethylbenzene	0.241	U	0.014	0.241
96-12-8	1,2-Dibromo-3-chloropropane	0.241	U	0.039	0.241
106-93-4	1,2-Dibromoethane	0.241	U	0.012	0.241
95-50-1	1,2-Dichlorobenzene	0.241	U	0.016	0.241
107-06-2	1,2-Dichloroethane	0.241	U	0.00633	0.241
78-87-5	1,2-Dichloropropane	0.241	U	0.00522	0.241
108-67-8	1,3,5-Trimethylbenzene	0.241	U	0.012	0.241
541-73-1	1,3-Dichlorobenzene	0.241	U	0.015	0.241
142-28-9	1,3-Dichloropropane	0.241	U	0.00865	0.241
106-46-7	1,4-Dichlorobenzene	0.241	U	0.020	0.241
594-20-7	2,2-Dichloropropane	0.241	U	0.056	0.241
78-93-3	2-Butanone	0.241	U	0.029	0.241
110-75-8	2-Chloroethylvinyl ether	0.241	U	0.011	0.241
95-49-8	2-Chlorotoluene	0.241	U	0.013	0.241
591-78-6	2-Hexanone	0.241	U	0.016	0.241
106-43-4	4-Chlorotoluene	0.241	U	0.015	0.241
99-87-6	4-Isopropyltoluene	0.241	U	0.013	0.241
108-10-1	4-Methyl-2-pentanone	0.241	U	0.016	0.241
67-64-1	Acetone	1.21	U	0.051	1.21
107-02-8	Acrolein	1.21	U	0.097	1.21
107-13-1	Acrylonitrile	1.21	U	0.052	1.21
71-43-2	Benzene	0.241	U	0.00662	0.241

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.18 (g/ml) g

Lab Sample ID: 21101140501

Level: (low/med) LOW

Lab File ID: 2110116/a8965

% Moisture: not dec. 16.2

Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1118

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.241	U	0.015	0.241
75-27-4	Bromodichloromethane	0.241	U	0.00724	0.241
75-25-2	Bromoform	0.241	U	0.011	0.241
74-83-9	Bromomethane	0.241	U	0.071	0.241
75-15-0	Carbon disulfide	0.241	U	0.022	0.241
56-23-5	Carbon tetrachloride	0.241	U	0.011	0.241
108-90-7	Chlorobenzene	0.241	U	0.00908	0.241
75-00-3	Chloroethane	0.241	U	0.032	0.241
67-66-3	Chloroform	0.638		0.012	0.241
74-87-3	Chloromethane	0.241	U	0.037	0.241
110-82-7	Cyclohexane	0.241	U	0.00850	0.241
124-48-1	Dibromochloromethane	0.241	U	0.00676	0.241
74-95-3	Dibromomethane	0.241	U	0.015	0.241
75-71-8	Dichlorodifluoromethane	0.241	U	0.00536	0.241
100-41-4	Ethylbenzene	0.241	U	0.00995	0.241
87-68-3	Hexachlorobutadiene	0.241	U	0.011	0.241
98-82-8	Isopropylbenzene (Cumene)	0.241	U	0.00942	0.241
79-20-9	Methyl Acetate	0.241	U	0.017	0.241
74-88-4	Methyl iodide	0.241	U	0.063	0.241
108-87-2	Methylcyclohexane	0.241	U	0.00792	0.241
75-09-2	Methylene chloride	0.483	U	0.017	0.483
91-20-3	Naphthalene	0.241	U	0.040	0.241
100-42-5	Styrene	0.241	U	0.013	0.241
127-18-4	Tetrachloroethene	0.241	U	0.010	0.241
108-88-3	Toluene	0.241	U	0.00966	0.241
79-01-6	Trichloroethene	0.112	J	0.011	0.241
75-69-4	Trichlorofluoromethane	0.241	U	0.00647	0.241
76-13-1	Trichlorotrifluoroethane	0.241	U	0.056	0.241
108-05-4	Vinyl acetate	0.241	U	0.011	0.241
75-01-4	Vinyl chloride	0.241	U	0.00652	0.241
1330-20-7	Xylene (total)	0.483	U	0.033	0.483
156-59-2	cis-1,2-Dichloroethene	0.198	J	0.00831	0.241

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.18 (g/ml) g

Lab Sample ID: 21101140501

Level: (low/med) LOW

Lab File ID: 2110116/a8965

% Moisture: not dec. 16.2

Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1118

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.241	U	0.00700	0.241
136777-61-	m,p-Xylene	0.241	U	0.024	0.241
71-36-3	n-Butyl alcohol	1.21	U	0.884	1.21
104-51-8	n-Butylbenzene	0.241	U	0.017	0.241
103-65-1	n-Propylbenzene	0.241	U	0.013	0.241
95-47-6	o-Xylene	0.241	U	0.00913	0.241
135-98-8	sec-Butylbenzene	0.241	U	0.012	0.241
1634-04-4	tert-Butyl methyl ether (MTBE)	0.241	U	0.00807	0.241
98-06-6	tert-Butylbenzene	0.241	U	0.011	0.241
156-60-5	trans-1,2-Dichloroethene	0.241	U	0.00976	0.241
10061-02-6	trans-1,3-Dichloropropene	0.241	U	0.011	0.241
110-57-6	trans-1,4-Dichloro-2-butene	0.241	U	0.027	0.241

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.91 (g/ml) g Lab Sample ID: 21101140502

Level: (low/med) LOW Lab File ID: 2110116/a8972

% Moisture: not dec. 16.2 Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1401

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	2.97		0.00638	0.304
71-55-6	1,1,1-Trichloroethane	2.93		0.014	0.304
79-34-5	1,1,2,2-Tetrachloroethane	2.77		0.017	0.304
79-00-5	1,1,2-Trichloroethane	2.71		0.014	0.304
75-34-3	1,1-Dichloroethane	2.97		0.020	0.304
75-35-4	1,1-Dichloroethene	2.94		0.041	0.304
563-58-6	1,1-Dichloropropene	2.95		0.013	0.304
96-18-4	1,2,3-Trichloropropane	2.58		0.021	0.122
120-82-1	1,2,4-Trichlorobenzene	2.71		0.019	0.304
95-63-6	1,2,4-Trimethylbenzene	3.01		0.018	0.304
96-12-8	1,2-Dibromo-3-chloropropane	2.53		0.049	0.304
106-93-4	1,2-Dibromoethane	2.75		0.015	0.304
95-50-1	1,2-Dichlorobenzene	2.96		0.020	0.304
107-06-2	1,2-Dichloroethane	2.85		0.00796	0.304
78-87-5	1,2-Dichloropropane	3.00		0.00657	0.304
108-67-8	1,3,5-Trimethylbenzene	3.01		0.015	0.304
541-73-1	1,3-Dichlorobenzene	2.98		0.019	0.304
142-28-9	1,3-Dichloropropane	2.79		0.011	0.304
106-46-7	1,4-Dichlorobenzene	3.00		0.025	0.304
594-20-7	2,2-Dichloropropane	2.91		0.071	0.304
78-93-3	2-Butanone	2.73		0.037	0.304
110-75-8	2-Chloroethylvinyl ether	2.18		0.014	0.304
95-49-8	2-Chlorotoluene	3.01		0.016	0.304
591-78-6	2-Hexanone	2.71		0.021	0.304
106-43-4	4-Chlorotoluene	3.03		0.019	0.304
99-87-6	4-Isopropyltoluene	2.95		0.016	0.304
108-10-1	4-Methyl-2-pentanone	2.57		0.021	0.304
67-64-1	Acetone	2.84		0.064	1.52
107-02-8	Acrolein	1.05	J	0.122	1.52
107-13-1	Acrylonitrile	13.0		0.065	1.52
71-43-2	Benzene	3.10		0.00833	0.304

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

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

Lab Sample ID: 21101140502

Level: (low/med) LOW

Lab File ID: 2110116/a8972

% Moisture: not dec. 16.2

Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1401

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	3.02		0.018	0.304
75-27-4	Bromodichloromethane	2.97		0.00912	0.304
75-25-2	Bromoform	2.77		0.014	0.304
74-83-9	Bromomethane	2.78		0.089	0.304
75-15-0	Carbon disulfide	2.94		0.028	0.304
56-23-5	Carbon tetrachloride	2.90		0.014	0.304
108-90-7	Chlorobenzene	3.01		0.011	0.304
75-00-3	Chloroethane	2.64		0.040	0.304
67-66-3	Chloroform	2.96		0.015	0.304
74-87-3	Chloromethane	2.63		0.046	0.304
110-82-7	Cyclohexane	3.00		0.011	0.304
124-48-1	Dibromochloromethane	2.84		0.00851	0.304
74-95-3	Dibromomethane	2.81		0.019	0.304
75-71-8	Dichlorodifluoromethane	2.75		0.00675	0.304
100-41-4	Ethylbenzene	2.94		0.013	0.304
87-68-3	Hexachlorobutadiene	2.76		0.014	0.304
98-82-8	Isopropylbenzene (Cumene)	2.91		0.012	0.304
79-20-9	Methyl Acetate	2.76		0.021	0.304
74-88-4	Methyl iodide	3.14		0.080	0.304
108-87-2	Methylcyclohexane	2.88		0.00997	0.304
75-09-2	Methylene chloride	2.85		0.021	0.608
91-20-3	Naphthalene	2.42		0.050	0.304
100-42-5	Styrene	3.08		0.016	0.304
127-18-4	Tetrachloroethene	2.89		0.013	0.304
108-88-3	Toluene	3.02		0.012	0.304
79-01-6	Trichloroethene	2.96		0.014	0.304
75-69-4	Trichlorofluoromethane	2.96		0.00815	0.304
76-13-1	Trichlorotrifluoroethane	2.90		0.070	0.304
108-05-4	Vinyl acetate	2.13		0.013	0.304
75-01-4	Vinyl chloride	2.76		0.00821	0.304
1330-20-7	Xylene (total)	8.97		0.042	0.608
156-59-2	cis-1,2-Dichloroethene	2.96		0.010	0.304

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.91 (g/ml) g Lab Sample ID: 21101140502

Level: (low/med) LOW Lab File ID: 2110116/a8972

% Moisture: not dec. 16.2 Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1401

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	2.96		0.00881	0.304
136777-61-	m,p-Xylene	5.97		0.031	0.304
104-51-8	n-Butylbenzene	2.95		0.021	0.304
103-65-1	n-Propylbenzene	3.01		0.016	0.304
95-47-6	o-Xylene	3.00		0.011	0.304
135-98-8	sec-Butylbenzene	2.97		0.015	0.304
1634-04-4	tert-Butyl methyl ether (MTBE)	2.77		0.010	0.304
98-06-6	tert-Butylbenzene	2.97		0.014	0.304
156-60-5	trans-1,2-Dichloroethene	2.97		0.012	0.304
10061-02-6	trans-1,3-Dichloropropene	2.88		0.013	0.304
110-57-6	trans-1,4-Dichloro-2-butene	2.67		0.035	0.304

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.03 (g/ml) g Lab Sample ID: 21101140503

Level: (low/med) LOW Lab File ID: 2110116/a8973

% Moisture: not dec. 16.2 Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1425

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	2.38		0.00520	0.247
71-55-6	1,1,1-Trichloroethane	2.30		0.011	0.247
79-34-5	1,1,2,2-Tetrachloroethane	2.36		0.014	0.247
79-00-5	1,1,2-Trichloroethane	2.27		0.012	0.247
75-34-3	1,1-Dichloroethane	2.34		0.016	0.247
75-35-4	1,1-Dichloroethene	2.28		0.033	0.247
563-58-6	1,1-Dichloropropene	2.30		0.010	0.247
96-18-4	1,2,3-Trichloropropane	2.21		0.017	0.099
120-82-1	1,2,4-Trichlorobenzene	2.30		0.015	0.247
95-63-6	1,2,4-Trimethylbenzene	2.34		0.015	0.247
96-12-8	1,2-Dibromo-3-chloropropane	2.30		0.040	0.247
106-93-4	1,2-Dibromoethane	2.28		0.012	0.247
95-50-1	1,2-Dichlorobenzene	2.39		0.016	0.247
107-06-2	1,2-Dichloroethane	2.33		0.00648	0.247
78-87-5	1,2-Dichloropropane	2.34		0.00535	0.247
108-67-8	1,3,5-Trimethylbenzene	2.34		0.012	0.247
541-73-1	1,3-Dichlorobenzene	2.35		0.016	0.247
142-28-9	1,3-Dichloropropane	2.30		0.00886	0.247
106-46-7	1,4-Dichlorobenzene	2.36		0.020	0.247
594-20-7	2,2-Dichloropropane	2.24		0.057	0.247
78-93-3	2-Butanone	2.54		0.030	0.247
110-75-8	2-Chloroethylvinyl ether	1.91		0.012	0.247
95-49-8	2-Chlorotoluene	2.36		0.013	0.247
591-78-6	2-Hexanone	2.55		0.017	0.247
106-43-4	4-Chlorotoluene	2.35		0.015	0.247
99-87-6	4-Isopropyltoluene	2.32		0.013	0.247
108-10-1	4-Methyl-2-pentanone	2.39		0.017	0.247
67-64-1	Acetone	2.60		0.052	1.24
107-02-8	Acrolein	2.45		0.099	1.24
107-13-1	Acrylonitrile	11.7		0.053	1.24
71-43-2	Benzene	2.36		0.00678	0.247

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.03 (g/ml) g Lab Sample ID: 21101140503

Level: (low/med) LOW Lab File ID: 2110116/a8973

% Moisture: not dec. 16.2 Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1425

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	2.36		0.015	0.247
75-27-4	Bromodichloromethane	2.35		0.00742	0.247
75-25-2	Bromoform	2.39		0.011	0.247
74-83-9	Bromomethane	2.27		0.072	0.247
75-15-0	Carbon disulfide	2.27		0.023	0.247
56-23-5	Carbon tetrachloride	2.26		0.012	0.247
108-90-7	Chlorobenzene	2.39		0.00931	0.247
75-00-3	Chloroethane	1.72		0.033	0.247
67-66-3	Chloroform	2.38		0.012	0.247
74-87-3	Chloromethane	2.13		0.037	0.247
110-82-7	Cyclohexane	2.36		0.00871	0.247
124-48-1	Dibromochloromethane	2.30		0.00693	0.247
74-95-3	Dibromomethane	2.28		0.016	0.247
75-71-8	Dichlorodifluoromethane	2.13		0.00549	0.247
100-41-4	Ethylbenzene	2.29		0.010	0.247
87-68-3	Hexachlorobutadiene	2.30		0.012	0.247
98-82-8	Isopropylbenzene (Cumene)	2.33		0.00965	0.247
79-20-9	Methyl Acetate	2.48		0.017	0.247
74-88-4	Methyl iodide	2.58		0.065	0.247
108-87-2	Methylcyclohexane	2.26		0.00812	0.247
75-09-2	Methylene chloride	2.22		0.017	0.495
91-20-3	Naphthalene	2.28		0.041	0.247
100-42-5	Styrene	2.47		0.013	0.247
127-18-4	Tetrachloroethene	2.28		0.010	0.247
108-88-3	Toluene	2.39		0.00990	0.247
79-01-6	Trichloroethene	2.34		0.012	0.247
75-69-4	Trichlorofluoromethane	2.27		0.00663	0.247
76-13-1	Trichlorotrifluoroethane	2.27		0.057	0.247
108-05-4	Vinyl acetate	1.78		0.011	0.247
75-01-4	Vinyl chloride	2.18		0.00668	0.247
1330-20-7	Xylene (total)	7.04		0.034	0.495
156-59-2	cis-1,2-Dichloroethene	2.32		0.00851	0.247

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-15-F MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.03 (g/ml) g

Lab Sample ID: 21101140503

Level: (low/med) LOW

Lab File ID: 2110116/a8973

% Moisture: not dec. 16.2

Date Collected: 01/13/11 Time: 1400

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1425

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	2.39		0.00718	0.247
136777-61-	m,p-Xylene	4.69		0.025	0.247
104-51-8	n-Butylbenzene	2.32		0.017	0.247
103-65-1	n-Propylbenzene	2.34		0.013	0.247
95-47-6	o-Xylene	2.35		0.00936	0.247
135-98-8	sec-Butylbenzene	2.32		0.012	0.247
1634-04-4	tert-Butyl methyl ether (MTBE)	2.34		0.00827	0.247
98-06-6	tert-Butylbenzene	2.32		0.012	0.247
156-60-5	trans-1,2-Dichloroethene	2.32		0.010	0.247
10061-02-6	trans-1,3-Dichloropropene	2.38		0.011	0.247
110-57-6	trans-1,4-Dichloro-2-butene	2.40		0.028	0.247

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-21-F

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.81 (g/ml) g Lab Sample ID: 21101140504

Level: (low/med) LOW Lab File ID: 2110116/a8977

% Moisture: not dec. 16.7 Date Collected: 01/13/11 Time: 1445

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1603

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.258	U	0.00542	0.258
71-55-6	1,1,1-Trichloroethane	0.258	U	0.012	0.258
79-34-5	1,1,2,2-Tetrachloroethane	0.258	U	0.014	0.258
79-00-5	1,1,2-Trichloroethane	0.258	U	0.012	0.258
75-34-3	1,1-Dichloroethane	0.258	U	0.017	0.258
75-35-4	1,1-Dichloroethene	0.258	U	0.034	0.258
563-58-6	1,1-Dichloropropene	0.258	U	0.011	0.258
96-18-4	1,2,3-Trichloropropane	0.103	U	0.018	0.103
120-82-1	1,2,4-Trichlorobenzene	0.258	U	0.016	0.258
95-63-6	1,2,4-Trimethylbenzene	0.059	J	0.015	0.258
96-12-8	1,2-Dibromo-3-chloropropane	0.258	U	0.041	0.258
106-93-4	1,2-Dibromoethane	0.258	U	0.012	0.258
95-50-1	1,2-Dichlorobenzene	0.258	U	0.017	0.258
107-06-2	1,2-Dichloroethane	0.258	U	0.00676	0.258
78-87-5	1,2-Dichloropropane	0.258	U	0.00558	0.258
108-67-8	1,3,5-Trimethylbenzene	0.258	U	0.012	0.258
541-73-1	1,3-Dichlorobenzene	0.258	U	0.016	0.258
142-28-9	1,3-Dichloropropane	0.258	U	0.00924	0.258
106-46-7	1,4-Dichlorobenzene	0.258	U	0.021	0.258
594-20-7	2,2-Dichloropropane	0.258	U	0.060	0.258
78-93-3	2-Butanone	0.258	U	0.031	0.258
110-75-8	2-Chloroethylvinyl ether	0.258	U	0.012	0.258
95-49-8	2-Chlorotoluene	0.258	U	0.014	0.258
591-78-6	2-Hexanone	0.258	U	0.018	0.258
106-43-4	4-Chlorotoluene	0.258	U	0.016	0.258
99-87-6	4-Isopropyltoluene	0.258	U	0.014	0.258
108-10-1	4-Methyl-2-pentanone	0.258	U	0.018	0.258
67-64-1	Acetone	1.29	U	0.055	1.29
107-02-8	Acrolein	1.29	U	0.103	1.29
107-13-1	Acrylonitrile	1.29	U	0.055	1.29
71-43-2	Benzene	0.258	U	0.00707	0.258

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-21-F

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.81 (g/ml) g Lab Sample ID: 21101140504

Level: (low/med) LOW Lab File ID: 2110116/a8977

% Moisture: not dec. 16.7 Date Collected: 01/13/11 Time: 1445

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1603

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.258	U	0.016	0.258
75-27-4	Bromodichloromethane	0.258	U	0.00775	0.258
75-25-2	Bromoform	0.258	U	0.012	0.258
74-83-9	Bromomethane	0.258	U	0.075	0.258
75-15-0	Carbon disulfide	0.258	U	0.024	0.258
56-23-5	Carbon tetrachloride	0.258	U	0.012	0.258
108-90-7	Chlorobenzene	0.258	U	0.00971	0.258
75-00-3	Chloroethane	0.258	U	0.034	0.258
67-66-3	Chloroform	0.286		0.013	0.258
74-87-3	Chloromethane	0.258	U	0.039	0.258
110-82-7	Cyclohexane	0.108	J	0.00909	0.258
124-48-1	Dibromochloromethane	0.258	U	0.00723	0.258
74-95-3	Dibromomethane	0.258	U	0.016	0.258
75-71-8	Dichlorodifluoromethane	0.258	U	0.00573	0.258
100-41-4	Ethylbenzene	0.258	U	0.011	0.258
87-68-3	Hexachlorobutadiene	0.179	J	0.012	0.258
98-82-8	Isopropylbenzene (Cumene)	0.236	J	0.010	0.258
79-20-9	Methyl Acetate	0.258	U	0.018	0.258
74-88-4	Methyl iodide	0.258	U	0.068	0.258
108-87-2	Methylcyclohexane	0.258	U	0.00847	0.258
75-09-2	Methylene chloride	0.516	U	0.018	0.516
91-20-3	Naphthalene	0.101	J	0.043	0.258
100-42-5	Styrene	0.258	U	0.014	0.258
127-18-4	Tetrachloroethene	2.50		0.011	0.258
108-88-3	Toluene	0.258	U	0.010	0.258
79-01-6	Trichloroethene	0.118	J	0.012	0.258
75-69-4	Trichlorofluoromethane	0.258	U	0.00692	0.258
76-13-1	Trichlorotrifluoroethane	0.258	U	0.059	0.258
108-05-4	Vinyl acetate	0.258	U	0.011	0.258
75-01-4	Vinyl chloride	0.258	U	0.00697	0.258
1330-20-7	Xylene (total)	0.516	U	0.035	0.516
156-59-2	cis-1,2-Dichloroethene	0.250	J	0.00888	0.258

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-21-F

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.81 (g/ml) g Lab Sample ID: 21101140504

Level: (low/med) LOW Lab File ID: 2110116/a8977

% Moisture: not dec. 16.7 Date Collected: 01/13/11 Time: 1445

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1603

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.258	U	0.00749	0.258
136777-61-	m,p-Xylene	0.258	U	0.026	0.258
71-36-3	n-Butyl alcohol	1.29	U	0.945	1.29
104-51-8	n-Butylbenzene	0.258	U	0.018	0.258
103-65-1	n-Propylbenzene	0.258	U	0.014	0.258
95-47-6	o-Xylene	0.258	U	0.00976	0.258
135-98-8	sec-Butylbenzene	0.258	U	0.013	0.258
1634-04-4	tert-Butyl methyl ether (MTBE)	0.258	U	0.00862	0.258
98-06-6	tert-Butylbenzene	0.258	U	0.012	0.258
156-60-5	trans-1,2-Dichloroethene	0.258	U	0.010	0.258
10061-02-6	trans-1,3-Dichloropropene	0.258	U	0.011	0.258
110-57-6	trans-1,4-Dichloro-2-butene	0.258	U	0.029	0.258

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NC-0-0.3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.71 (g/ml) g

Lab Sample ID: 21101140505

Level: (low/med) LOW

Lab File ID: 2110116/a8978

% Moisture: not dec. 17.1

Date Collected: 01/13/11 Time: 1455

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1627

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.320	U	0.00672	0.320
71-55-6	1,1,1-Trichloroethane	0.213	J	0.015	0.320
79-34-5	1,1,2,2-Tetrachloroethane	0.320	U	0.018	0.320
79-00-5	1,1,2-Trichloroethane	0.320	U	0.015	0.320
75-34-3	1,1-Dichloroethane	0.320	U	0.021	0.320
75-35-4	1,1-Dichloroethene	0.320	U	0.043	0.320
563-58-6	1,1-Dichloropropene	0.320	U	0.013	0.320
96-18-4	1,2,3-Trichloropropane	0.128	U	0.022	0.128
120-82-1	1,2,4-Trichlorobenzene	0.320	U	0.020	0.320
95-63-6	1,2,4-Trimethylbenzene	0.123	J	0.019	0.320
96-12-8	1,2-Dibromo-3-chloropropane	0.320	U	0.051	0.320
106-93-4	1,2-Dibromoethane	0.320	U	0.015	0.320
95-50-1	1,2-Dichlorobenzene	0.320	U	0.021	0.320
107-06-2	1,2-Dichloroethane	0.603		0.00839	0.320
78-87-5	1,2-Dichloropropane	0.320	U	0.00691	0.320
108-67-8	1,3,5-Trimethylbenzene	0.110	J	0.015	0.320
541-73-1	1,3-Dichlorobenzene	0.320	U	0.020	0.320
142-28-9	1,3-Dichloropropane	0.320	U	0.011	0.320
106-46-7	1,4-Dichlorobenzene	0.320	U	0.026	0.320
594-20-7	2,2-Dichloropropane	0.320	U	0.074	0.320
78-93-3	2-Butanone	0.320	U	0.039	0.320
110-75-8	2-Chloroethylvinyl ether	0.320	U	0.015	0.320
95-49-8	2-Chlorotoluene	0.320	U	0.017	0.320
591-78-6	2-Hexanone	0.320	U	0.022	0.320
106-43-4	4-Chlorotoluene	0.320	U	0.020	0.320
99-87-6	4-Isopropyltoluene	0.320	U	0.017	0.320
108-10-1	4-Methyl-2-pentanone	0.320	U	0.022	0.320
67-64-1	Acetone	1.60	U	0.068	1.60
107-02-8	Acrolein	1.60	U	0.128	1.60
107-13-1	Acrylonitrile	1.60	U	0.069	1.60
71-43-2	Benzene	0.217	J	0.00877	0.320

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
NC-0-0.3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.71 (g/ml) g

Lab Sample ID: 21101140505

Level: (low/med) LOW

Lab File ID: 2110116/a8978

% Moisture: not dec. 17.1

Date Collected: 01/13/11 Time: 1455

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1627

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.320	U	0.019	0.320
75-27-4	Bromodichloromethane	0.320	U	0.00960	0.320
75-25-2	Bromoform	0.320	U	0.015	0.320
74-83-9	Bromomethane	0.320	U	0.093	0.320
75-15-0	Carbon disulfide	0.320	U	0.030	0.320
56-23-5	Carbon tetrachloride	0.320	U	0.015	0.320
108-90-7	Chlorobenzene	0.320	U	0.012	0.320
75-00-3	Chloroethane	0.320	U	0.042	0.320
67-66-3	Chloroform	0.545		0.016	0.320
74-87-3	Chloromethane	0.320	U	0.048	0.320
110-82-7	Cyclohexane	0.183	J	0.011	0.320
124-48-1	Dibromochloromethane	0.320	U	0.00896	0.320
74-95-3	Dibromomethane	0.320	U	0.020	0.320
75-71-8	Dichlorodifluoromethane	0.320	U	0.00711	0.320
100-41-4	Ethylbenzene	0.818		0.013	0.320
87-68-3	Hexachlorobutadiene	0.320	U	0.015	0.320
98-82-8	Isopropylbenzene (Cumene)	0.942		0.012	0.320
79-20-9	Methyl Acetate	1.03		0.022	0.320
74-88-4	Methyl iodide	0.320	U	0.084	0.320
108-87-2	Methylcyclohexane	0.320	U	0.010	0.320
75-09-2	Methylene chloride	0.062	J	0.022	0.640
91-20-3	Naphthalene	0.490		0.053	0.320
100-42-5	Styrene	0.320	U	0.017	0.320
127-18-4	Tetrachloroethene	0.835		0.013	0.320
108-88-3	Toluene	0.227	J	0.013	0.320
79-01-6	Trichloroethene	1.02		0.015	0.320
75-69-4	Trichlorofluoromethane	0.320	U	0.00858	0.320
76-13-1	Trichlorotrifluoroethane	0.320	U	0.074	0.320
108-05-4	Vinyl acetate	0.320	U	0.014	0.320
75-01-4	Vinyl chloride	0.320	U	0.00864	0.320
1330-20-7	Xylene (total)	0.298	J	0.044	0.640
156-59-2	cis-1,2-Dichloroethene	0.320	U	0.011	0.320

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

NC-0-0.3

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.71 (g/ml) g Lab Sample ID: 21101140505

Level: (low/med) LOW Lab File ID: 2110116/a8978

% Moisture: not dec. 17.1 Date Collected: 01/13/11 Time: 1455

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1627

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.320	U	0.00928	0.320
136777-61-	m,p-Xylene	0.122	J	0.032	0.320
71-36-3	n-Butyl alcohol	1.60	U	1.17	1.60
104-51-8	n-Butylbenzene	0.320	U	0.022	0.320
103-65-1	n-Propylbenzene	0.320	U	0.017	0.320
95-47-6	o-Xylene	0.176	J	0.012	0.320
135-98-8	sec-Butylbenzene	0.320	U	0.016	0.320
1634-04-4	tert-Butyl methyl ether (MTBE)	0.320	U	0.011	0.320
98-06-6	tert-Butylbenzene	0.320	U	0.015	0.320
156-60-5	trans-1,2-Dichloroethene	0.320	U	0.013	0.320
10061-02-6	trans-1,3-Dichloropropene	0.320	U	0.014	0.320
110-57-6	trans-1,4-Dichloro-2-butene	0.320	U	0.036	0.320

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-2-WEST

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.21 (g/ml) g Lab Sample ID: 21101140506

Level: (low/med) LOW Lab File ID: 2110118p/k9911

% Moisture: not dec. 20.1 Date Collected: 01/13/11 Time: 1505

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV5 Date Analyzed: 01/18/11 Time: 1541

Soil Extract Volume: (µL Dilution Factor: 250 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449157

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	1.26	U	0.026	1.26
71-55-6	1,1,1-Trichloroethane	1.26	U	0.058	1.26
79-34-5	1,1,2,2-Tetrachloroethane	1.26	U	0.069	1.26
79-00-5	1,1,2-Trichloroethane	1.26	U	0.059	1.26
75-34-3	1,1-Dichloroethane	1.26	U	0.084	1.26
75-35-4	1,1-Dichloroethene	1.26	U	0.168	1.26
563-58-6	1,1-Dichloropropene	1.26	U	0.052	1.26
96-18-4	1,2,3-Trichloropropane	0.504	U	0.087	0.504
120-82-1	1,2,4-Trichlorobenzene	1.26	U	0.077	1.26
95-63-6	1,2,4-Trimethylbenzene	1.26	U	0.075	1.26
96-12-8	1,2-Dibromo-3-chloropropane	1.26	U	0.202	1.26
106-93-4	1,2-Dibromoethane	1.26	U	0.060	1.26
95-50-1	1,2-Dichlorobenzene	1.26	U	0.082	1.26
107-06-2	1,2-Dichloroethane	1.26	U	0.033	1.26
78-87-5	1,2-Dichloropropane	1.26	U	0.027	1.26
108-67-8	1,3,5-Trimethylbenzene	1.26	U	0.061	1.26
541-73-1	1,3-Dichlorobenzene	1.26	U	0.080	1.26
142-28-9	1,3-Dichloropropane	1.26	U	0.045	1.26
106-46-7	1,4-Dichlorobenzene	1.26	U	0.103	1.26
594-20-7	2,2-Dichloropropane	1.26	U	0.292	1.26
78-93-3	2-Butanone	1.26	U	0.152	1.26
110-75-8	2-Chloroethylvinyl ether	1.26	U	0.059	1.26
95-49-8	2-Chlorotoluene	1.26	U	0.066	1.26
591-78-6	2-Hexanone	1.26	U	0.085	1.26
106-43-4	4-Chlorotoluene	1.26	U	0.077	1.26
99-87-6	4-Isopropyltoluene	1.26	U	0.067	1.26
108-10-1	4-Methyl-2-pentanone	1.26	U	0.086	1.26
67-64-1	Acetone	6.29	U	0.267	6.29
107-02-8	Acrolein	6.29	U	0.504	6.29
107-13-1	Acrylonitrile	6.29	U	0.269	6.29
71-43-2	Benzene	1.26	U	0.034	1.26

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-2-WEST

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.21 (g/ml) g Lab Sample ID: 21101140506

Level: (low/med) LOW Lab File ID: 2110118p/k9911

% Moisture: not dec. 20.1 Date Collected: 01/13/11 Time: 1505

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV5 Date Analyzed: 01/18/11 Time: 1541

Soil Extract Volume: (µL Dilution Factor: 250 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449157

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	1.26	U	0.076	1.26
75-27-4	Bromodichloromethane	1.26	U	0.038	1.26
75-25-2	Bromoform	1.26	U	0.058	1.26
74-83-9	Bromomethane	1.26	U	0.368	1.26
75-15-0	Carbon disulfide	1.26	U	0.117	1.26
56-23-5	Carbon tetrachloride	1.26	U	0.059	1.26
108-90-7	Chlorobenzene	1.26	U	0.047	1.26
75-00-3	Chloroethane	1.26	U	0.166	1.26
67-66-3	Chloroform	1.26	U	0.062	1.26
74-87-3	Chloromethane	1.26	U	0.191	1.26
110-82-7	Cyclohexane	1.26	U	0.044	1.26
124-48-1	Dibromochloromethane	1.26	U	0.035	1.26
74-95-3	Dibromomethane	1.26	U	0.079	1.26
75-71-8	Dichlorodifluoromethane	1.26	U	0.028	1.26
100-41-4	Ethylbenzene	1.26	U	0.052	1.26
87-68-3	Hexachlorobutadiene	1.26	U	0.059	1.26
98-82-8	Isopropylbenzene (Cumene)	32.6		0.049	1.26
79-20-9	Methyl Acetate	1.26	U	0.086	1.26
74-88-4	Methyl iodide	1.26	U	0.330	1.26
108-87-2	Methylcyclohexane	1.26	U	0.041	1.26
75-09-2	Methylene chloride	2.52	U	0.088	2.52
91-20-3	Naphthalene	1.26	U	0.208	1.26
100-42-5	Styrene	1.26	U	0.066	1.26
127-18-4	Tetrachloroethene	1.26	U	0.052	1.26
108-88-3	Toluene	1.26	U	0.050	1.26
79-01-6	Trichloroethene	1.26	U	0.059	1.26
75-69-4	Trichlorofluoromethane	1.26	U	0.034	1.26
76-13-1	Trichlorotrifluoroethane	1.26	U	0.290	1.26
108-05-4	Vinyl acetate	1.26	U	0.056	1.26
75-01-4	Vinyl chloride	1.26	U	0.034	1.26
1330-20-7	Xylene (total)	2.52	U	0.173	2.52
156-59-2	cis-1,2-Dichloroethene	1.26	U	0.043	1.26

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-2-WEST

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 6.21 (g/ml) g

Lab Sample ID: 21101140506

Level: (low/med) LOW

Lab File ID: 2110118p/k9911

% Moisture: not dec. 20.1

Date Collected: 01/13/11 Time: 1505

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV5

Date Analyzed: 01/18/11 Time: 1541

Soil Extract Volume: (µL

Dilution Factor: 250 Analyst: CLH

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449157

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	1.26	U	0.037	1.26
136777-61-	m,p-Xylene	1.26	U	0.127	1.26
71-36-3	n-Butyl alcohol	6.29	U	4.61	6.29
104-51-8	n-Butylbenzene	1.26	U	0.088	1.26
103-65-1	n-Propylbenzene	1.26	U	0.068	1.26
95-47-6	o-Xylene	1.26	U	0.048	1.26
135-98-8	sec-Butylbenzene	1.26	U	0.063	1.26
1634-04-4	tert-Butyl methyl ether (MTBE)	1.26	U	0.042	1.26
98-06-6	tert-Butylbenzene	1.26	U	0.060	1.26
156-60-5	trans-1,2-Dichloroethene	1.26	U	0.051	1.26
10061-02-6	trans-1,3-Dichloropropene	1.26	U	0.055	1.26
110-57-6	trans-1,4-Dichloro-2-butene	1.26	U	0.143	1.26

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-FLOOR

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.77 (g/ml) g

Lab Sample ID: 21101140507

Level: (low/med) LOW

Lab File ID: 2110116/a8982

% Moisture: not dec. 26.0

Date Collected: 01/13/11 Time: 1535

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1809

Soil Extract Volume: (µL

Dilution Factor: 100 Analyst: CLH

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.709	U	0.015	0.709
71-55-6	1,1,1-Trichloroethane	0.709	U	0.033	0.709
79-34-5	1,1,2,2-Tetrachloroethane	0.709	U	0.039	0.709
79-00-5	1,1,2-Trichloroethane	0.709	U	0.033	0.709
75-34-3	1,1-Dichloroethane	0.709	U	0.047	0.709
75-35-4	1,1-Dichloroethene	0.709	U	0.095	0.709
563-58-6	1,1-Dichloropropene	0.709	U	0.029	0.709
96-18-4	1,2,3-Trichloropropane	0.283	U	0.049	0.283
120-82-1	1,2,4-Trichlorobenzene	0.709	U	0.043	0.709
95-63-6	1,2,4-Trimethylbenzene	0.709	U	0.042	0.709
96-12-8	1,2-Dibromo-3-chloropropane	0.709	U	0.114	0.709
106-93-4	1,2-Dibromoethane	0.709	U	0.034	0.709
95-50-1	1,2-Dichlorobenzene	0.709	U	0.046	0.709
107-06-2	1,2-Dichloroethane	0.709	U	0.019	0.709
78-87-5	1,2-Dichloropropane	0.709	U	0.015	0.709
108-67-8	1,3,5-Trimethylbenzene	0.709	U	0.034	0.709
541-73-1	1,3-Dichlorobenzene	0.709	U	0.045	0.709
142-28-9	1,3-Dichloropropane	0.709	U	0.025	0.709
106-46-7	1,4-Dichlorobenzene	0.709	U	0.058	0.709
594-20-7	2,2-Dichloropropane	0.709	U	0.164	0.709
78-93-3	2-Butanone	0.709	U	0.085	0.709
110-75-8	2-Chloroethylvinyl ether	0.709	U	0.033	0.709
95-49-8	2-Chlorotoluene	0.709	U	0.037	0.709
591-78-6	2-Hexanone	0.709	U	0.048	0.709
106-43-4	4-Chlorotoluene	0.709	U	0.043	0.709
99-87-6	4-Isopropyltoluene	0.709	U	0.038	0.709
108-10-1	4-Methyl-2-pentanone	0.709	U	0.048	0.709
67-64-1	Acetone	3.54	U	0.150	3.54
107-02-8	Acrolein	3.54	U	0.283	3.54
107-13-1	Acrylonitrile	3.54	U	0.152	3.54
71-43-2	Benzene	1.33		0.019	0.709

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-FLOOR

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.77 (g/ml) g Lab Sample ID: 21101140507

Level: (low/med) LOW Lab File ID: 2110116/a8982

% Moisture: not dec. 26.0 Date Collected: 01/13/11 Time: 1535

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1809

Soil Extract Volume: (µL Dilution Factor: 100 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.709	U	0.043	0.709
75-27-4	Bromodichloromethane	0.709	U	0.021	0.709
75-25-2	Bromoform	0.709	U	0.033	0.709
74-83-9	Bromomethane	0.709	U	0.207	0.709
75-15-0	Carbon disulfide	0.709	U	0.066	0.709
56-23-5	Carbon tetrachloride	0.709	U	0.033	0.709
108-90-7	Chlorobenzene	0.709	U	0.027	0.709
75-00-3	Chloroethane	0.709	U	0.093	0.709
67-66-3	Chloroform	0.709	U	0.035	0.709
74-87-3	Chloromethane	0.709	U	0.107	0.709
110-82-7	Cyclohexane	0.709	U	0.025	0.709
124-48-1	Dibromochloromethane	0.709	U	0.020	0.709
74-95-3	Dibromomethane	0.709	U	0.044	0.709
75-71-8	Dichlorodifluoromethane	0.709	U	0.016	0.709
100-41-4	Ethylbenzene	9.44		0.029	0.709
87-68-3	Hexachlorobutadiene	0.709	U	0.033	0.709
98-82-8	Isopropylbenzene (Cumene)	12.6		0.028	0.709
79-20-9	Methyl Acetate	0.709	U	0.048	0.709
74-88-4	Methyl iodide	0.709	U	0.186	0.709
108-87-2	Methylcyclohexane	0.709	U	0.023	0.709
75-09-2	Methylene chloride	1.42	U	0.049	1.42
91-20-3	Naphthalene	0.709	U	0.117	0.709
100-42-5	Styrene	0.709	U	0.037	0.709
127-18-4	Tetrachloroethene	0.709	U	0.029	0.709
108-88-3	Toluene	1.00		0.028	0.709
79-01-6	Trichloroethene	0.709	U	0.033	0.709
75-69-4	Trichlorofluoromethane	0.709	U	0.019	0.709
76-13-1	Trichlorotrifluoroethane	0.709	U	0.163	0.709
108-05-4	Vinyl acetate	0.709	U	0.031	0.709
75-01-4	Vinyl chloride	0.709	U	0.019	0.709
1330-20-7	Xylene (total)	1.95		0.097	1.42
156-59-2	cis-1,2-Dichloroethene	0.709	U	0.024	0.709

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-FLOOR

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.77 (g/ml) g

Lab Sample ID: 21101140507

Level: (low/med) LOW

Lab File ID: 2110116/a8982

% Moisture: not dec. 26.0

Date Collected: 01/13/11 Time: 1535

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1809

Soil Extract Volume: (µL

Dilution Factor: 100 Analyst: CLH

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.709	U	0.021	0.709
136777-61-	m,p-Xylene	0.709	U	0.071	0.709
71-36-3	n-Butyl alcohol	3.54	U	2.59	3.54
104-51-8	n-Butylbenzene	0.709	U	0.049	0.709
103-65-1	n-Propylbenzene	0.709	U	0.038	0.709
95-47-6	o-Xylene	1.95		0.027	0.709
135-98-8	sec-Butylbenzene	0.709	U	0.036	0.709
1634-04-4	tert-Butyl methyl ether (MTBE)	0.234	J	0.024	0.709
98-06-6	tert-Butylbenzene	0.709	U	0.034	0.709
156-60-5	trans-1,2-Dichloroethene	0.709	U	0.029	0.709
10061-02-6	trans-1,3-Dichloropropene	0.709	U	0.031	0.709
110-57-6	trans-1,4-Dichloro-2-butene	0.709	U	0.080	0.709

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-EAST

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.13 (g/ml) g Lab Sample ID: 21101140508

Level: (low/med) LOW Lab File ID: 2110116/a8984

% Moisture: not dec. 26.5 Date Collected: 01/13/11 Time: 1555

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1857

Soil Extract Volume: (µL Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	66.3	U	1.39	66.3
71-55-6	1,1,1-Trichloroethane	66.3	U	3.06	66.3
79-34-5	1,1,2,2-Tetrachloroethane	66.3	U	3.66	66.3
79-00-5	1,1,2-Trichloroethane	66.3	U	3.12	66.3
75-34-3	1,1-Dichloroethane	66.3	U	4.40	66.3
75-35-4	1,1-Dichloroethene	66.3	U	8.84	66.3
563-58-6	1,1-Dichloropropene	66.3	U	2.76	66.3
96-18-4	1,2,3-Trichloropropane	26.5	U	4.60	26.5
120-82-1	1,2,4-Trichlorobenzene	66.3	U	4.04	66.3
95-63-6	1,2,4-Trimethylbenzene	66.3	U	3.95	66.3
96-12-8	1,2-Dibromo-3-chloropropane	66.3	U	10.6	66.3
106-93-4	1,2-Dibromoethane	66.3	U	3.17	66.3
95-50-1	1,2-Dichlorobenzene	66.3	U	4.31	66.3
107-06-2	1,2-Dichloroethane	66.3	U	1.74	66.3
78-87-5	1,2-Dichloropropane	66.3	U	1.43	66.3
108-67-8	1,3,5-Trimethylbenzene	66.3	U	3.20	66.3
541-73-1	1,3-Dichlorobenzene	66.3	U	4.23	66.3
142-28-9	1,3-Dichloropropane	66.3	U	2.37	66.3
106-46-7	1,4-Dichlorobenzene	66.3	U	5.45	66.3
594-20-7	2,2-Dichloropropane	66.3	U	15.4	66.3
78-93-3	2-Butanone	66.3	U	7.99	66.3
110-75-8	2-Chloroethylvinyl ether	66.3	U	3.10	66.3
95-49-8	2-Chlorotoluene	66.3	U	3.50	66.3
591-78-6	2-Hexanone	66.3	U	4.49	66.3
106-43-4	4-Chlorotoluene	66.3	U	4.06	66.3
99-87-6	4-Isopropyltoluene	66.3	U	3.53	66.3
108-10-1	4-Methyl-2-pentanone	66.3	U	4.52	66.3
67-64-1	Acetone	331	U	14.1	331
107-02-8	Acrolein	331	U	26.5	331
107-13-1	Acrylonitrile	331	U	14.2	331
71-43-2	Benzene	18.2	J	1.82	66.3

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-EAST

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.13 (g/ml) g Lab Sample ID: 21101140508

Level: (low/med) LOW Lab File ID: 2110116/a8984

% Moisture: not dec. 26.5 Date Collected: 01/13/11 Time: 1555

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1857

Soil Extract Volume: (µL Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	66.3	U	3.99	66.3
75-27-4	Bromodichloromethane	66.3	U	1.99	66.3
75-25-2	Bromoform	66.3	U	3.06	66.3
74-83-9	Bromomethane	66.3	U	19.4	66.3
75-15-0	Carbon disulfide	66.3	U	6.17	66.3
56-23-5	Carbon tetrachloride	66.3	U	3.13	66.3
108-90-7	Chlorobenzene	66.3	U	2.49	66.3
75-00-3	Chloroethane	66.3	U	8.74	66.3
67-66-3	Chloroform	66.3	U	3.26	66.3
74-87-3	Chloromethane	66.3	U	10.0	66.3
110-82-7	Cyclohexane	66.3	U	2.33	66.3
124-48-1	Dibromochloromethane	66.3	U	1.86	66.3
74-95-3	Dibromomethane	66.3	U	4.16	66.3
75-71-8	Dichlorodifluoromethane	66.3	U	1.47	66.3
100-41-4	Ethylbenzene	272		2.73	66.3
87-68-3	Hexachlorobutadiene	66.3	U	3.09	66.3
98-82-8	Isopropylbenzene (Cumene)	1660		2.59	66.3
79-20-9	Methyl Acetate	66.3	U	4.53	66.3
74-88-4	Methyl iodide	66.3	U	17.4	66.3
108-87-2	Methylcyclohexane	66.3	U	2.17	66.3
75-09-2	Methylene chloride	133	U	4.61	133
91-20-3	Naphthalene	66.3	U	10.9	66.3
100-42-5	Styrene	21.8	J	3.50	66.3
127-18-4	Tetrachloroethene	66.3	U	2.74	66.3
108-88-3	Toluene	37.0	J	2.65	66.3
79-01-6	Trichloroethene	66.3	U	3.10	66.3
75-69-4	Trichlorofluoromethane	66.3	U	1.78	66.3
76-13-1	Trichlorotrifluoroethane	66.3	U	15.2	66.3
108-05-4	Vinyl acetate	66.3	U	2.94	66.3
75-01-4	Vinyl chloride	66.3	U	1.79	66.3
1330-20-7	Xylene (total)	167		9.10	133
156-59-2	cis-1,2-Dichloroethene	66.3	U	2.28	66.3

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-EAST

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.13 (g/ml) g Lab Sample ID: 21101140508

Level: (low/med) LOW Lab File ID: 2110116/a8984

% Moisture: not dec. 26.5 Date Collected: 01/13/11 Time: 1555

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1857

Soil Extract Volume: (µL Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	66.3	U	1.92	66.3
136777-61-	m,p-Xylene	66.3	U	6.67	66.3
71-36-3	n-Butyl alcohol	331	U	243	331
104-51-8	n-Butylbenzene	66.3	U	4.63	66.3
103-65-1	n-Propylbenzene	66.3	U	3.59	66.3
95-47-6	o-Xylene	167		2.51	66.3
135-98-8	sec-Butylbenzene	66.3	U	3.33	66.3
1634-04-4	tert-Butyl methyl ether (MTBE)	66.3	U	2.21	66.3
98-06-6	tert-Butylbenzene	66.3	U	3.14	66.3
156-60-5	trans-1,2-Dichloroethene	66.3	U	2.68	66.3
10061-02-6	trans-1,3-Dichloropropene	66.3	U	2.92	66.3
110-57-6	trans-1,4-Dichloro-2-butene	66.3	U	7.53	66.3

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-SOUTH

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.23 (g/ml) g

Lab Sample ID: 21101140509

Level: (low/med) LOW

Lab File ID: 2110116/a8985

% Moisture: not dec. 26.1

Date Collected: 01/13/11 Time: 1615

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1922

Soil Extract Volume: (µL

Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	64.7	U	1.36	64.7
71-55-6	1,1,1-Trichloroethane	64.7	U	2.99	64.7
79-34-5	1,1,2,2-Tetrachloroethane	64.7	U	3.57	64.7
79-00-5	1,1,2-Trichloroethane	64.7	U	3.04	64.7
75-34-3	1,1-Dichloroethane	64.7	U	4.30	64.7
75-35-4	1,1-Dichloroethene	64.7	U	8.63	64.7
563-58-6	1,1-Dichloropropene	64.7	U	2.69	64.7
96-18-4	1,2,3-Trichloropropane	25.9	U	4.49	25.9
120-82-1	1,2,4-Trichlorobenzene	64.7	U	3.95	64.7
95-63-6	1,2,4-Trimethylbenzene	64.7	U	3.86	64.7
96-12-8	1,2-Dibromo-3-chloropropane	64.7	U	10.4	64.7
106-93-4	1,2-Dibromoethane	64.7	U	3.09	64.7
95-50-1	1,2-Dichlorobenzene	64.7	U	4.21	64.7
107-06-2	1,2-Dichloroethane	64.7	U	1.70	64.7
78-87-5	1,2-Dichloropropane	64.7	U	1.40	64.7
108-67-8	1,3,5-Trimethylbenzene	64.7	U	3.12	64.7
541-73-1	1,3-Dichlorobenzene	64.7	U	4.13	64.7
142-28-9	1,3-Dichloropropane	64.7	U	2.32	64.7
106-46-7	1,4-Dichlorobenzene	64.7	U	5.32	64.7
594-20-7	2,2-Dichloropropane	64.7	U	15.0	64.7
78-93-3	2-Butanone	64.7	U	7.80	64.7
110-75-8	2-Chloroethylvinyl ether	64.7	U	3.03	64.7
95-49-8	2-Chlorotoluene	64.7	U	3.42	64.7
591-78-6	2-Hexanone	64.7	U	4.39	64.7
106-43-4	4-Chlorotoluene	64.7	U	3.96	64.7
99-87-6	4-Isopropyltoluene	64.7	U	3.44	64.7
108-10-1	4-Methyl-2-pentanone	64.7	U	4.41	64.7
67-64-1	Acetone	324	U	13.7	324
107-02-8	Acrolein	324	U	25.9	324
107-13-1	Acrylonitrile	324	U	13.8	324
71-43-2	Benzene	13.8	J	1.77	64.7

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-SOUTH

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.23 (g/ml) g

Lab Sample ID: 21101140509

Level: (low/med) LOW

Lab File ID: 2110116/a8985

% Moisture: not dec. 26.1

Date Collected: 01/13/11 Time: 1615

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1922

Soil Extract Volume: (µL

Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	64.7	U	3.90	64.7
75-27-4	Bromodichloromethane	64.7	U	1.94	64.7
75-25-2	Bromoform	64.7	U	2.99	64.7
74-83-9	Bromomethane	64.7	U	18.9	64.7
75-15-0	Carbon disulfide	64.7	U	6.02	64.7
56-23-5	Carbon tetrachloride	64.7	U	3.05	64.7
108-90-7	Chlorobenzene	64.7	U	2.43	64.7
75-00-3	Chloroethane	64.7	U	8.53	64.7
67-66-3	Chloroform	18.4	J	3.18	64.7
74-87-3	Chloromethane	64.7	U	9.80	64.7
110-82-7	Cyclohexane	64.7	U	2.28	64.7
124-48-1	Dibromochloromethane	64.7	U	1.81	64.7
74-95-3	Dibromomethane	64.7	U	4.06	64.7
75-71-8	Dichlorodifluoromethane	64.7	U	1.44	64.7
100-41-4	Ethylbenzene	321		2.67	64.7
87-68-3	Hexachlorobutadiene	64.7	U	3.02	64.7
98-82-8	Isopropylbenzene (Cumene)	543		2.52	64.7
79-20-9	Methyl Acetate	64.7	U	4.43	64.7
74-88-4	Methyl iodide	64.7	U	17.0	64.7
108-87-2	Methylcyclohexane	64.7	U	2.12	64.7
75-09-2	Methylene chloride	129	U	4.50	129
91-20-3	Naphthalene	16.4	J	10.7	64.7
100-42-5	Styrene	15.2	J	3.42	64.7
127-18-4	Tetrachloroethene	64.7	U	2.68	64.7
108-88-3	Toluene	23.8	J	2.59	64.7
79-01-6	Trichloroethene	64.7	U	3.03	64.7
75-69-4	Trichlorofluoromethane	64.7	U	1.73	64.7
76-13-1	Trichlorotrifluoroethane	64.7	U	14.9	64.7
108-05-4	Vinyl acetate	64.7	U	2.87	64.7
75-01-4	Vinyl chloride	64.7	U	1.75	64.7
1330-20-7	Xylene (total)	68.6	J	8.88	129
156-59-2	cis-1,2-Dichloroethene	64.7	U	2.23	64.7

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-SOUTH

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.23 (g/ml) g Lab Sample ID: 21101140509

Level: (low/med) LOW Lab File ID: 2110116/a8985

% Moisture: not dec. 26.1 Date Collected: 01/13/11 Time: 1615

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1922

Soil Extract Volume: (µL Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	64.7	U	1.88	64.7
136777-61-	m,p-Xylene	64.7	U	6.51	64.7
71-36-3	n-Butyl alcohol	324	U	237	324
104-51-8	n-Butylbenzene	64.7	U	4.52	64.7
103-65-1	n-Propylbenzene	64.7	U	3.51	64.7
95-47-6	o-Xylene	68.6		2.45	64.7
135-98-8	sec-Butylbenzene	64.7	U	3.25	64.7
1634-04-4	tert-Butyl methyl ether (MTBE)	64.7	U	2.16	64.7
98-06-6	tert-Butylbenzene	64.7	U	3.07	64.7
156-60-5	trans-1,2-Dichloroethene	64.7	U	2.61	64.7
10061-02-6	trans-1,3-Dichloropropene	64.7	U	2.85	64.7
110-57-6	trans-1,4-Dichloro-2-butene	64.7	U	7.35	64.7

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-NORTH

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.87 (g/ml) g Lab Sample ID: 21101140510

Level: (low/med) LOW Lab File ID: 2110116/a8979

% Moisture: not dec. 22.5 Date Collected: 01/13/11 Time: 1625

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1651

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.275	U	0.00577	0.275
71-55-6	1,1,1-Trichloroethane	0.087	J	0.013	0.275
79-34-5	1,1,2,2-Tetrachloroethane	0.275	U	0.015	0.275
79-00-5	1,1,2-Trichloroethane	0.275	U	0.013	0.275
75-34-3	1,1-Dichloroethane	0.275	U	0.018	0.275
75-35-4	1,1-Dichloroethene	0.275	U	0.037	0.275
563-58-6	1,1-Dichloropropene	0.275	U	0.011	0.275
96-18-4	1,2,3-Trichloropropane	0.110	U	0.019	0.110
120-82-1	1,2,4-Trichlorobenzene	0.275	U	0.017	0.275
95-63-6	1,2,4-Trimethylbenzene	0.230	J	0.016	0.275
96-12-8	1,2-Dibromo-3-chloropropane	0.275	U	0.044	0.275
106-93-4	1,2-Dibromoethane	0.275	U	0.013	0.275
95-50-1	1,2-Dichlorobenzene	0.275	U	0.018	0.275
107-06-2	1,2-Dichloroethane	0.275	U	0.00720	0.275
78-87-5	1,2-Dichloropropane	0.275	U	0.00593	0.275
108-67-8	1,3,5-Trimethylbenzene	0.094	J	0.013	0.275
541-73-1	1,3-Dichlorobenzene	0.275	U	0.018	0.275
142-28-9	1,3-Dichloropropane	0.275	U	0.00983	0.275
106-46-7	1,4-Dichlorobenzene	0.275	U	0.023	0.275
594-20-7	2,2-Dichloropropane	0.275	U	0.064	0.275
78-93-3	2-Butanone	0.275	U	0.033	0.275
110-75-8	2-Chloroethylvinyl ether	0.275	U	0.013	0.275
95-49-8	2-Chlorotoluene	0.275	U	0.015	0.275
591-78-6	2-Hexanone	0.275	U	0.019	0.275
106-43-4	4-Chlorotoluene	0.275	U	0.017	0.275
99-87-6	4-Isopropyltoluene	0.275	U	0.015	0.275
108-10-1	4-Methyl-2-pentanone	0.275	U	0.019	0.275
67-64-1	Acetone	1.37	U	0.058	1.37
107-02-8	Acrolein	1.37	U	0.110	1.37
107-13-1	Acrylonitrile	1.37	U	0.059	1.37
71-43-2	Benzene	2.94		0.00753	0.275

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-NORTH

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.87 (g/ml) g Lab Sample ID: 21101140510

Level: (low/med) LOW Lab File ID: 2110116/a8979

% Moisture: not dec. 22.5 Date Collected: 01/13/11 Time: 1625

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1651

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.275	U	0.017	0.275
75-27-4	Bromodichloromethane	0.275	U	0.00824	0.275
75-25-2	Bromoform	0.275	U	0.013	0.275
74-83-9	Bromomethane	0.275	U	0.080	0.275
75-15-0	Carbon disulfide	0.275	U	0.026	0.275
56-23-5	Carbon tetrachloride	0.275	U	0.013	0.275
108-90-7	Chlorobenzene	0.275	U	0.010	0.275
75-00-3	Chloroethane	0.275	U	0.036	0.275
67-66-3	Chloroform	0.293		0.014	0.275
74-87-3	Chloromethane	0.275	U	0.042	0.275
110-82-7	Cyclohexane	0.063	J	0.00967	0.275
124-48-1	Dibromochloromethane	0.275	U	0.00769	0.275
74-95-3	Dibromomethane	0.275	U	0.017	0.275
75-71-8	Dichlorodifluoromethane	0.275	U	0.00610	0.275
100-41-4	Ethylbenzene	1.83		0.011	0.275
87-68-3	Hexachlorobutadiene	0.275	U	0.013	0.275
98-82-8	Isopropylbenzene (Cumene)	0.221	J	0.011	0.275
79-20-9	Methyl Acetate	0.275	U	0.019	0.275
74-88-4	Methyl iodide	0.275	U	0.072	0.275
108-87-2	Methylcyclohexane	0.275	U	0.00901	0.275
75-09-2	Methylene chloride	0.549	U	0.019	0.549
91-20-3	Naphthalene	0.427		0.045	0.275
100-42-5	Styrene	0.275	U	0.015	0.275
127-18-4	Tetrachloroethene	0.275	U	0.011	0.275
108-88-3	Toluene	0.271	J	0.011	0.275
79-01-6	Trichloroethene	0.174	J	0.013	0.275
75-69-4	Trichlorofluoromethane	0.275	U	0.00736	0.275
76-13-1	Trichlorotrifluoroethane	0.275	U	0.063	0.275
108-05-4	Vinyl acetate	0.275	U	0.012	0.275
75-01-4	Vinyl chloride	0.275	U	0.00742	0.275
1330-20-7	Xylene (total)	1.02		0.038	0.549
156-59-2	cis-1,2-Dichloroethene	0.275	U	0.00945	0.275

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

T-6-NORTH

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.87 (g/ml) g Lab Sample ID: 21101140510

Level: (low/med) LOW Lab File ID: 2110116/a8979

% Moisture: not dec. 22.5 Date Collected: 01/13/11 Time: 1625

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1651

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.275	U	0.00796	0.275
136777-61-	m,p-Xylene	0.664		0.028	0.275
71-36-3	n-Butyl alcohol	1.37	U	1.01	1.37
104-51-8	n-Butylbenzene	0.275	U	0.019	0.275
103-65-1	n-Propylbenzene	0.155	J	0.015	0.275
95-47-6	o-Xylene	0.357		0.010	0.275
135-98-8	sec-Butylbenzene	0.275	U	0.014	0.275
1634-04-4	tert-Butyl methyl ether (MTBE)	0.479		0.00917	0.275
98-06-6	tert-Butylbenzene	0.275	U	0.013	0.275
156-60-5	trans-1,2-Dichloroethene	0.275	U	0.011	0.275
10061-02-6	trans-1,3-Dichloropropene	0.275	U	0.012	0.275
110-57-6	trans-1,4-Dichloro-2-butene	0.275	U	0.031	0.275

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLIND DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.71 (g/ml) g Lab Sample ID: 21101140511

Level: (low/med) LOW Lab File ID: 2110116/a8986

% Moisture: not dec. 24.1 Date Collected: 01/13/11 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1946

Soil Extract Volume: (µL Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	57.7	U	1.21	57.7
71-55-6	1,1,1-Trichloroethane	57.7	U	2.67	57.7
79-34-5	1,1,2,2-Tetrachloroethane	57.7	U	3.19	57.7
79-00-5	1,1,2-Trichloroethane	57.7	U	2.71	57.7
75-34-3	1,1-Dichloroethane	57.7	U	3.83	57.7
75-35-4	1,1-Dichloroethene	57.7	U	7.70	57.7
563-58-6	1,1-Dichloropropene	57.7	U	2.40	57.7
96-18-4	1,2,3-Trichloropropane	23.1	U	4.01	23.1
120-82-1	1,2,4-Trichlorobenzene	57.7	U	3.52	57.7
95-63-6	1,2,4-Trimethylbenzene	57.7	U	3.44	57.7
96-12-8	1,2-Dibromo-3-chloropropane	57.7	U	9.25	57.7
106-93-4	1,2-Dibromoethane	57.7	U	2.76	57.7
95-50-1	1,2-Dichlorobenzene	57.7	U	3.75	57.7
107-06-2	1,2-Dichloroethane	57.7	U	1.51	57.7
78-87-5	1,2-Dichloropropane	57.7	U	1.25	57.7
108-67-8	1,3,5-Trimethylbenzene	57.7	U	2.78	57.7
541-73-1	1,3-Dichlorobenzene	57.7	U	3.68	57.7
142-28-9	1,3-Dichloropropane	57.7	U	2.07	57.7
106-46-7	1,4-Dichlorobenzene	57.7	U	4.74	57.7
594-20-7	2,2-Dichloropropane	57.7	U	13.4	57.7
78-93-3	2-Butanone	57.7	U	6.96	57.7
110-75-8	2-Chloroethylvinyl ether	57.7	U	2.70	57.7
95-49-8	2-Chlorotoluene	57.7	U	3.05	57.7
591-78-6	2-Hexanone	57.7	U	3.91	57.7
106-43-4	4-Chlorotoluene	57.7	U	3.53	57.7
99-87-6	4-Isopropyltoluene	57.7	U	3.07	57.7
108-10-1	4-Methyl-2-pentanone	57.7	U	3.94	57.7
67-64-1	Acetone	289	U	12.2	289
107-02-8	Acrolein	289	U	23.1	289
107-13-1	Acrylonitrile	289	U	12.4	289
71-43-2	Benzene	13.1	J	1.58	57.7

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLIND DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.71 (g/ml) g Lab Sample ID: 21101140511

Level: (low/med) LOW Lab File ID: 2110116/a8986

% Moisture: not dec. 24.1 Date Collected: 01/13/11 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1946

Soil Extract Volume: (µL Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	57.7	U	3.47	57.7
75-27-4	Bromodichloromethane	57.7	U	1.73	57.7
75-25-2	Bromoform	57.7	U	2.67	57.7
74-83-9	Bromomethane	57.7	U	16.9	57.7
75-15-0	Carbon disulfide	57.7	U	5.37	57.7
56-23-5	Carbon tetrachloride	57.7	U	2.72	57.7
108-90-7	Chlorobenzene	57.7	U	2.17	57.7
75-00-3	Chloroethane	57.7	U	7.61	57.7
67-66-3	Chloroform	57.7	U	2.84	57.7
74-87-3	Chloromethane	57.7	U	8.74	57.7
110-82-7	Cyclohexane	57.7	U	2.03	57.7
124-48-1	Dibromochloromethane	57.7	U	1.62	57.7
74-95-3	Dibromomethane	57.7	U	3.62	57.7
75-71-8	Dichlorodifluoromethane	57.7	U	1.28	57.7
100-41-4	Ethylbenzene	156		2.38	57.7
87-68-3	Hexachlorobutadiene	57.7	U	2.69	57.7
98-82-8	Isopropylbenzene (Cumene)	924		2.25	57.7
79-20-9	Methyl Acetate	57.7	U	3.95	57.7
74-88-4	Methyl iodide	57.7	U	15.1	57.7
108-87-2	Methylcyclohexane	57.7	U	1.89	57.7
75-09-2	Methylene chloride	115	U	4.02	115
91-20-3	Naphthalene	15.7	J	9.52	57.7
100-42-5	Styrene	15.2	J	3.05	57.7
127-18-4	Tetrachloroethene	57.7	U	2.39	57.7
108-88-3	Toluene	19.2	J	2.31	57.7
79-01-6	Trichloroethene	57.7	U	2.70	57.7
75-69-4	Trichlorofluoromethane	57.7	U	1.55	57.7
76-13-1	Trichlorotrifluoroethane	57.7	U	13.3	57.7
108-05-4	Vinyl acetate	57.7	U	2.56	57.7
75-01-4	Vinyl chloride	57.7	U	1.56	57.7
1330-20-7	Xylene (total)	98.9	J	7.92	115
156-59-2	cis-1,2-Dichloroethene	57.7	U	1.99	57.7

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

BLIND DUP

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.71 (g/ml) g

Lab Sample ID: 21101140511

Level: (low/med) LOW

Lab File ID: 2110116/a8986

% Moisture: not dec. 24.1

Date Collected: 01/13/11 Time: 0000

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1946

Soil Extract Volume: (µL

Dilution Factor: 10000 Analyst: CLH

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	57.7	U	1.67	57.7
136777-61-	m,p-Xylene	57.7	U	5.81	57.7
71-36-3	n-Butyl alcohol	289	U	211	289
104-51-8	n-Butylbenzene	57.7	U	4.03	57.7
103-65-1	n-Propylbenzene	57.7	U	3.13	57.7
95-47-6	o-Xylene	98.9		2.18	57.7
135-98-8	sec-Butylbenzene	57.7	U	2.90	57.7
1634-04-4	tert-Butyl methyl ether (MTBE)	57.7	U	1.93	57.7
98-06-6	tert-Butylbenzene	57.7	U	2.74	57.7
156-60-5	trans-1,2-Dichloroethene	57.7	U	2.33	57.7
10061-02-6	trans-1,3-Dichloropropene	57.7	U	2.54	57.7
110-57-6	trans-1,4-Dichloro-2-butene	57.7	U	6.56	57.7

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SC-W

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.85 (g/ml) g Lab Sample ID: 21101140512

Level: (low/med) LOW Lab File ID: 2110116/a8980

% Moisture: not dec. 23.5 Date Collected: 01/13/11 Time: 1645

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1715

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.279	U	0.00586	0.279
71-55-6	1,1,1-Trichloroethane	0.279	U	0.013	0.279
79-34-5	1,1,2,2-Tetrachloroethane	0.279	U	0.015	0.279
79-00-5	1,1,2-Trichloroethane	0.279	U	0.013	0.279
75-34-3	1,1-Dichloroethane	0.279	U	0.019	0.279
75-35-4	1,1-Dichloroethene	0.279	U	0.037	0.279
563-58-6	1,1-Dichloropropene	0.279	U	0.012	0.279
96-18-4	1,2,3-Trichloropropane	0.112	U	0.019	0.112
120-82-1	1,2,4-Trichlorobenzene	0.279	U	0.017	0.279
95-63-6	1,2,4-Trimethylbenzene	0.111	J	0.017	0.279
96-12-8	1,2-Dibromo-3-chloropropane	0.279	U	0.045	0.279
106-93-4	1,2-Dibromoethane	0.279	U	0.013	0.279
95-50-1	1,2-Dichlorobenzene	0.279	U	0.018	0.279
107-06-2	1,2-Dichloroethane	0.279	U	0.00731	0.279
78-87-5	1,2-Dichloropropane	0.279	U	0.00603	0.279
108-67-8	1,3,5-Trimethylbenzene	0.057	J	0.013	0.279
541-73-1	1,3-Dichlorobenzene	0.279	U	0.018	0.279
142-28-9	1,3-Dichloropropane	0.279	U	0.00999	0.279
106-46-7	1,4-Dichlorobenzene	0.279	U	0.023	0.279
594-20-7	2,2-Dichloropropane	0.279	U	0.065	0.279
78-93-3	2-Butanone	0.279	U	0.034	0.279
110-75-8	2-Chloroethylvinyl ether	0.279	U	0.013	0.279
95-49-8	2-Chlorotoluene	0.279	U	0.015	0.279
591-78-6	2-Hexanone	0.279	U	0.019	0.279
106-43-4	4-Chlorotoluene	0.279	U	0.017	0.279
99-87-6	4-Isopropyltoluene	0.279	U	0.015	0.279
108-10-1	4-Methyl-2-pentanone	0.279	U	0.019	0.279
67-64-1	Acetone	1.40	U	0.059	1.40
107-02-8	Acrolein	1.40	U	0.112	1.40
107-13-1	Acrylonitrile	1.40	U	0.060	1.40
71-43-2	Benzene	0.102	J	0.00765	0.279

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SC-W

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.85 (g/ml) g

Lab Sample ID: 21101140512

Level: (low/med) LOW

Lab File ID: 2110116/a8980

% Moisture: not dec. 23.5

Date Collected: 01/13/11 Time: 1645

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1715

Soil Extract Volume: (µL

Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.279	U	0.017	0.279
75-27-4	Bromodichloromethane	0.279	U	0.00838	0.279
75-25-2	Bromoform	0.279	U	0.013	0.279
74-83-9	Bromomethane	0.279	U	0.082	0.279
75-15-0	Carbon disulfide	0.279	U	0.026	0.279
56-23-5	Carbon tetrachloride	0.279	U	0.013	0.279
108-90-7	Chlorobenzene	0.279	U	0.010	0.279
75-00-3	Chloroethane	0.279	U	0.037	0.279
67-66-3	Chloroform	0.279	U	0.014	0.279
74-87-3	Chloromethane	0.279	U	0.042	0.279
110-82-7	Cyclohexane	0.208	J	0.00983	0.279
124-48-1	Dibromochloromethane	0.279	U	0.00782	0.279
74-95-3	Dibromomethane	0.279	U	0.018	0.279
75-71-8	Dichlorodifluoromethane	0.279	U	0.00620	0.279
100-41-4	Ethylbenzene	0.144	J	0.012	0.279
87-68-3	Hexachlorobutadiene	0.279	U	0.013	0.279
98-82-8	Isopropylbenzene (Cumene)	0.328		0.011	0.279
79-20-9	Methyl Acetate	0.279	U	0.019	0.279
74-88-4	Methyl iodide	0.279	U	0.073	0.279
108-87-2	Methylcyclohexane	0.279	U	0.00916	0.279
75-09-2	Methylene chloride	0.558	U	0.019	0.558
91-20-3	Naphthalene	0.118	J	0.046	0.279
100-42-5	Styrene	0.279	U	0.015	0.279
127-18-4	Tetrachloroethene	0.279	U	0.012	0.279
108-88-3	Toluene	0.279	U	0.011	0.279
79-01-6	Trichloroethene	0.279	U	0.013	0.279
75-69-4	Trichlorofluoromethane	0.279	U	0.00748	0.279
76-13-1	Trichlorotrifluoroethane	0.279	U	0.064	0.279
108-05-4	Vinyl acetate	0.279	U	0.012	0.279
75-01-4	Vinyl chloride	0.279	U	0.00754	0.279
1330-20-7	Xylene (total)	0.226	J	0.038	0.558
156-59-2	cis-1,2-Dichloroethene	0.279	U	0.00960	0.279

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SC-W

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5.85 (g/ml) g Lab Sample ID: 21101140512

Level: (low/med) LOW Lab File ID: 2110116/a8980

% Moisture: not dec. 23.5 Date Collected: 01/13/11 Time: 1645

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1715

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.279	U	0.00810	0.279
136777-61-	m,p-Xylene	0.117	J	0.028	0.279
71-36-3	n-Butyl alcohol	1.40	U	1.02	1.40
104-51-8	n-Butylbenzene	0.279	U	0.019	0.279
103-65-1	n-Propylbenzene	0.279	U	0.015	0.279
95-47-6	o-Xylene	0.109	J	0.011	0.279
135-98-8	sec-Butylbenzene	0.279	U	0.014	0.279
1634-04-4	tert-Butyl methyl ether (MTBE)	0.279	U	0.00932	0.279
98-06-6	tert-Butylbenzene	0.279	U	0.013	0.279
156-60-5	trans-1,2-Dichloroethene	0.279	U	0.011	0.279
10061-02-6	trans-1,3-Dichloropropene	0.279	U	0.012	0.279
110-57-6	trans-1,4-Dichloro-2-butene	0.279	U	0.032	0.279

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SC-E

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.93 (g/ml) g Lab Sample ID: 21101140513

Level: (low/med) LOW Lab File ID: 2110116/a8981

% Moisture: not dec. 26.3 Date Collected: 01/13/11 Time: 1655

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1739

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.344	U	0.00722	0.344
71-55-6	1,1,1-Trichloroethane	0.344	U	0.016	0.344
79-34-5	1,1,2,2-Tetrachloroethane	0.344	U	0.019	0.344
79-00-5	1,1,2-Trichloroethane	0.344	U	0.016	0.344
75-34-3	1,1-Dichloroethane	0.344	U	0.023	0.344
75-35-4	1,1-Dichloroethene	0.344	U	0.046	0.344
563-58-6	1,1-Dichloropropene	0.344	U	0.014	0.344
96-18-4	1,2,3-Trichloropropane	0.138	U	0.024	0.138
120-82-1	1,2,4-Trichlorobenzene	0.344	U	0.021	0.344
95-63-6	1,2,4-Trimethylbenzene	0.074	J	0.020	0.344
96-12-8	1,2-Dibromo-3-chloropropane	0.344	U	0.055	0.344
106-93-4	1,2-Dibromoethane	0.344	U	0.016	0.344
95-50-1	1,2-Dichlorobenzene	0.344	U	0.022	0.344
107-06-2	1,2-Dichloroethane	0.344	U	0.00901	0.344
78-87-5	1,2-Dichloropropane	0.344	U	0.00743	0.344
108-67-8	1,3,5-Trimethylbenzene	0.344	U	0.017	0.344
541-73-1	1,3-Dichlorobenzene	0.344	U	0.022	0.344
142-28-9	1,3-Dichloropropane	0.344	U	0.012	0.344
106-46-7	1,4-Dichlorobenzene	0.344	U	0.028	0.344
594-20-7	2,2-Dichloropropane	0.344	U	0.080	0.344
78-93-3	2-Butanone	0.344	U	0.041	0.344
110-75-8	2-Chloroethylvinyl ether	0.344	U	0.016	0.344
95-49-8	2-Chlorotoluene	0.344	U	0.018	0.344
591-78-6	2-Hexanone	0.344	U	0.023	0.344
106-43-4	4-Chlorotoluene	0.344	U	0.021	0.344
99-87-6	4-Isopropyltoluene	0.344	U	0.018	0.344
108-10-1	4-Methyl-2-pentanone	0.344	U	0.023	0.344
67-64-1	Acetone	1.72	U	0.073	1.72
107-02-8	Acrolein	1.72	U	0.138	1.72
107-13-1	Acrylonitrile	1.72	U	0.074	1.72
71-43-2	Benzene	0.344	U	0.00942	0.344

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SC-E

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.93 (g/ml) g Lab Sample ID: 21101140513

Level: (low/med) LOW Lab File ID: 2110116/a8981

% Moisture: not dec. 26.3 Date Collected: 01/13/11 Time: 1655

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1739

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.344	U	0.021	0.344
75-27-4	Bromodichloromethane	0.344	U	0.010	0.344
75-25-2	Bromoform	0.344	U	0.016	0.344
74-83-9	Bromomethane	0.344	U	0.100	0.344
75-15-0	Carbon disulfide	0.344	U	0.032	0.344
56-23-5	Carbon tetrachloride	0.344	U	0.016	0.344
108-90-7	Chlorobenzene	0.344	U	0.013	0.344
75-00-3	Chloroethane	0.344	U	0.045	0.344
67-66-3	Chloroform	0.344	U	0.017	0.344
74-87-3	Chloromethane	0.344	U	0.052	0.344
110-82-7	Cyclohexane	0.106	J	0.012	0.344
124-48-1	Dibromochloromethane	0.344	U	0.00963	0.344
74-95-3	Dibromomethane	0.344	U	0.022	0.344
75-71-8	Dichlorodifluoromethane	0.344	U	0.00763	0.344
100-41-4	Ethylbenzene	0.195	J	0.014	0.344
87-68-3	Hexachlorobutadiene	0.344	U	0.016	0.344
98-82-8	Isopropylbenzene (Cumene)	0.427		0.013	0.344
79-20-9	Methyl Acetate	0.344	U	0.024	0.344
74-88-4	Methyl iodide	0.344	U	0.090	0.344
108-87-2	Methylcyclohexane	0.344	U	0.011	0.344
75-09-2	Methylene chloride	0.688	U	0.024	0.688
91-20-3	Naphthalene	0.164	J	0.057	0.344
100-42-5	Styrene	0.344	U	0.018	0.344
127-18-4	Tetrachloroethene	0.344	U	0.014	0.344
108-88-3	Toluene	0.344	U	0.014	0.344
79-01-6	Trichloroethene	0.344	U	0.016	0.344
75-69-4	Trichlorofluoromethane	0.344	U	0.00922	0.344
76-13-1	Trichlorotrifluoroethane	0.344	U	0.079	0.344
108-05-4	Vinyl acetate	0.344	U	0.015	0.344
75-01-4	Vinyl chloride	0.344	U	0.00928	0.344
1330-20-7	Xylene (total)	0.187	J	0.047	0.688
156-59-2	cis-1,2-Dichloroethene	0.344	U	0.012	0.344

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SC-E

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 4.93 (g/ml) g Lab Sample ID: 21101140513

Level: (low/med) LOW Lab File ID: 2110116/a8981

% Moisture: not dec. 26.3 Date Collected: 01/13/11 Time: 1655

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1739

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.344	U	0.00997	0.344
136777-61-	m,p-Xylene	0.100	J	0.035	0.344
71-36-3	n-Butyl alcohol	1.72	U	1.26	1.72
104-51-8	n-Butylbenzene	0.344	U	0.024	0.344
103-65-1	n-Propylbenzene	0.344	U	0.019	0.344
95-47-6	o-Xylene	0.087	J	0.013	0.344
135-98-8	sec-Butylbenzene	0.344	U	0.017	0.344
1634-04-4	tert-Butyl methyl ether (MTBE)	0.344	U	0.011	0.344
98-06-6	tert-Butylbenzene	0.344	U	0.016	0.344
156-60-5	trans-1,2-Dichloroethene	0.344	U	0.014	0.344
10061-02-6	trans-1,3-Dichloropropene	0.344	U	0.015	0.344
110-57-6	trans-1,4-Dichloro-2-butene	0.344	U	0.039	0.344

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 21101140514

Level: (low/med) LOW Lab File ID: 2110116/a8966

% Moisture: not dec. Date Collected: 01/13/11 Time: 1710

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1142

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

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	0.000113	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000106	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000072	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000095	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000030	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000164	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000067	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000100	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000119	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000082	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000046	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000078	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000086	0.00500
78-87-5	1,2-Dichloropropane	0.00500	U	0.000064	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000021	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000098	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000041	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000118	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000117	0.00500
78-93-3	2-Butanone	0.00500	U	0.000093	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000515	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000044	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000503	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000052	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000037	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000065	0.00500
67-64-1	Acetone	0.025	U	0.00115	0.025
107-02-8	Acrolein	0.025	U	0.00169	0.025
107-13-1	Acrylonitrile	0.025	U	0.00100	0.025
71-43-2	Benzene	0.00500	U	0.000054	0.00500

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

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

Lab Sample ID: 21101140514

Level: (low/med) LOW

Lab File ID: 2110116/a8966

% Moisture: not dec.

Date Collected: 01/13/11 Time: 1710

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1142

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00500	U	0.000084	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000053	0.00500
75-25-2	Bromoform	0.00500	U	0.000104	0.00500
74-83-9	Bromomethane	0.00500	U	0.000264	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000143	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000148	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000027	0.00500
75-00-3	Chloroethane	0.00500	U	0.000351	0.00500
67-66-3	Chloroform	0.00500	U	0.000056	0.00500
74-87-3	Chloromethane	0.00500	U	0.000088	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000064	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000040	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000184	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000096	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000062	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000690	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000034	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.00142	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000243	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000072	0.00500
75-09-2	Methylene chloride	0.010	U	0.000327	0.010
91-20-3	Naphthalene	0.00500	U	0.000081	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000121	0.00500
108-88-3	Toluene	0.00500	U	0.000059	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000061	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000123	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000127	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000202	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000093	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000058	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000061	0.00500

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 21101140514

Level: (low/med) LOW Lab File ID: 2110116/a8966

% Moisture: not dec. Date Collected: 01/13/11 Time: 1710

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1142

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000031	0.00500
136777-61-	m,p-Xylene	0.010	U	0.000058	0.010
71-36-3	n-Butyl alcohol	0.025	U	0.000395	0.025
104-51-8	n-Butylbenzene	0.00500	U	0.000036	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000054	0.00500
95-47-6	o-Xylene	0.00500	U	0.000027	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000026	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000051	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000077	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000107	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000054	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000329	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 1

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

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

Lab Sample ID: 21101140515

Level: (low/med) LOW

Lab File ID: 2110116/a8967

% Moisture: not dec.

Date Collected: 01/13/11 Time: 1715

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1205

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449012

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	0.000113	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000106	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000072	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000095	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000030	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000164	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000067	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000100	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000119	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000082	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000046	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000078	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000086	0.00500
78-87-5	1,2-Dichloropropane	0.00500	U	0.000064	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000021	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000098	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000041	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000118	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000117	0.00500
78-93-3	2-Butanone	0.00500	U	0.000093	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000515	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000044	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000503	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000052	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000037	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000065	0.00500
67-64-1	Acetone	0.025	U	0.00115	0.025
107-02-8	Acrolein	0.025	U	0.00169	0.025
107-13-1	Acrylonitrile	0.025	U	0.00100	0.025
71-43-2	Benzene	0.00500	U	0.000054	0.00500

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 1

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 21101140515

Level: (low/med) LOW Lab File ID: 2110116/a8967

% Moisture: not dec. Date Collected: 01/13/11 Time: 1715

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1205

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00500	U	0.000084	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000053	0.00500
75-25-2	Bromoform	0.00500	U	0.000104	0.00500
74-83-9	Bromomethane	0.00500	U	0.000264	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000143	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000148	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000027	0.00500
75-00-3	Chloroethane	0.00500	U	0.000351	0.00500
67-66-3	Chloroform	0.00500	U	0.000056	0.00500
74-87-3	Chloromethane	0.00500	U	0.000088	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000064	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000040	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000184	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000096	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000062	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000690	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000034	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.00142	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000243	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000072	0.00500
75-09-2	Methylene chloride	0.010	U	0.000327	0.010
91-20-3	Naphthalene	0.00500	U	0.000081	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000121	0.00500
108-88-3	Toluene	0.00500	U	0.000059	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000061	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000123	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000127	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000202	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000093	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000058	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000061	0.00500

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 1

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 21101140515

Level: (low/med) LOW Lab File ID: 2110116/a8967

% Moisture: not dec. Date Collected: 01/13/11 Time: 1715

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1205

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000031	0.00500
136777-61-	m,p-Xylene	0.010	U	0.000058	0.010
71-36-3	n-Butyl alcohol	0.025	U	0.000395	0.025
104-51-8	n-Butylbenzene	0.00500	U	0.000036	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000054	0.00500
95-47-6	o-Xylene	0.00500	U	0.000027	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000026	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000051	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000077	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000107	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000054	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000329	0.00500

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 21101140516

Level: (low/med) LOW Lab File ID: 2110116/a8968

% Moisture: not dec. Date Collected: 01/13/11 Time: 1720

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1228

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

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	0.000113	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000106	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000072	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000095	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000030	0.00500
75-35-4	1,1-Dichloroethene	0.00500	U	0.000164	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000067	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000100	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000119	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000082	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000046	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000078	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000086	0.00500
78-87-5	1,2-Dichloropropane	0.00500	U	0.000064	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000021	0.00500
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000098	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000041	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000118	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000117	0.00500
78-93-3	2-Butanone	0.00500	U	0.000093	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000515	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000044	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000503	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000052	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000037	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000065	0.00500
67-64-1	Acetone	0.025	U	0.00115	0.025
107-02-8	Acrolein	0.025	U	0.00169	0.025
107-13-1	Acrylonitrile	0.025	U	0.00100	0.025
71-43-2	Benzene	0.00500	U	0.000054	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

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

Lab Sample ID: 21101140516

Level: (low/med) LOW

Lab File ID: 2110116/a8968

% Moisture: not dec.

Date Collected: 01/13/11 Time: 1720

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received: 01/14/11

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1228

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00500	U	0.000084	0.00500
75-27-4	Bromodichloromethane	0.00500	U	0.000053	0.00500
75-25-2	Bromoform	0.00500	U	0.000104	0.00500
74-83-9	Bromomethane	0.00500	U	0.000264	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000143	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000148	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000027	0.00500
75-00-3	Chloroethane	0.00500	U	0.000351	0.00500
67-66-3	Chloroform	0.00500	U	0.000056	0.00500
74-87-3	Chloromethane	0.00500	U	0.000088	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000064	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000040	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000184	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000096	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000062	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000690	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000034	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.00142	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000243	0.00500
108-87-2	Methylcyclohexane	0.00500	U	0.000072	0.00500
75-09-2	Methylene chloride	0.010	U	0.000327	0.010
91-20-3	Naphthalene	0.00500	U	0.000081	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500
127-18-4	Tetrachloroethene	0.00500	U	0.000121	0.00500
108-88-3	Toluene	0.00500	U	0.000059	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000061	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000123	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000127	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000202	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000093	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000058	0.010
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000061	0.00500

FORM I VOA

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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 2

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 21101140516

Level: (low/med) LOW Lab File ID: 2110116/a8968

% Moisture: not dec. Date Collected: 01/13/11 Time: 1720

GC Column: RTX-VMS-30 ID: .25 (mm Date Received: 01/14/11

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1228

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000031	0.00500
136777-61-	m,p-Xylene	0.010	U	0.000058	0.010
71-36-3	n-Butyl alcohol	0.025	U	0.000395	0.025
104-51-8	n-Butylbenzene	0.00500	U	0.000036	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000054	0.00500
95-47-6	o-Xylene	0.00500	U	0.000027	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000026	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000051	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000077	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000107	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000054	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000329	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913048

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 913048

Level: (low/med) LOW Lab File ID: 2110116/a8963

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1033

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025	U	0.00115	0.025
107-02-8	Acrolein	0.025	U	0.00169	0.025
107-13-1	Acrylonitrile	0.025	U	0.00100	0.025
75-27-4	Bromodichloromethane	0.00500	U	0.000053	0.00500
75-25-2	Bromoform	0.00500	U	0.000104	0.00500
74-83-9	Bromomethane	0.00500	U	0.000264	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000143	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000148	0.00500
75-00-3	Chloroethane	0.00500	U	0.000351	0.00500
136777-61-	m,p-Xylene	0.010	U	0.000058	0.010
67-66-3	Chloroform	0.00500	U	0.000056	0.00500
74-87-3	Chloromethane	0.00500	U	0.000088	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000040	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000184	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000096	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000030	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000086	0.00500
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000061	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000107	0.00500
75-09-2	Methylene chloride	0.010	U	0.000327	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000064	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000031	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000054	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000062	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000503	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000034	0.00500
78-93-3	2-Butanone	0.00500	U	0.000093	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000243	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000065	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000054	0.00500
100-42-5	Styrene	0.00500	U	0.000050	0.00500

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913048

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

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

Lab Sample ID: 913048

Level: (low/med) LOW

Lab File ID: 2110116/a8963

% Moisture: not dec.

Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm

Date Received:

Instrument ID: MSV11

Date Analyzed: 01/16/11 Time: 1033

Soil Extract Volume: (µL

Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL

Prep Batch: Analytical Batch: 449012

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/L

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.00500	U	0.000121	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.00500	U	0.000113	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.00500	U	0.000072	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.00500	U	0.000119	0.00500
71-55-6	1,1,1-Trichloroethane	0.00500	U	0.000106	0.00500
79-00-5	1,1,2-Trichloroethane	0.00500	U	0.000095	0.00500
75-69-4	Trichlorofluoromethane	0.00500	U	0.000123	0.00500
96-18-4	1,2,3-Trichloropropane	0.00500	U	0.000100	0.00500
95-63-6	1,2,4-Trimethylbenzene	0.00500	U	0.000027	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.00500	U	0.000021	0.00500
75-01-4	Vinyl chloride	0.00500	U	0.000093	0.00500
95-47-6	o-Xylene	0.00500	U	0.000027	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.00500	U	0.000082	0.00500
106-93-4	1,2-Dibromoethane	0.00500	U	0.000046	0.00500
108-05-4	Vinyl acetate	0.00500	U	0.000202	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00500	U	0.000051	0.00500
99-87-6	4-Isopropyltoluene	0.00500	U	0.000037	0.00500
1330-20-7	Xylene (total)	0.010	U	0.000058	0.010
108-87-2	Methylcyclohexane	0.00500	U	0.000072	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.00500	U	0.000329	0.00500
110-82-7	Cyclohexane	0.00500	U	0.000064	0.00500
594-20-7	2,2-Dichloropropane	0.00500	U	0.000117	0.00500
79-20-9	Methyl Acetate	0.00500	U	0.00142	0.00500
76-13-1	Trichlorotrifluoroethane	0.00500	U	0.000127	0.00500
563-58-6	1,1-Dichloropropene	0.00500	U	0.000067	0.00500
110-75-8	2-Chloroethylvinyl ether	0.00500	U	0.000515	0.00500
142-28-9	1,3-Dichloropropane	0.00500	U	0.000041	0.00500
108-86-1	Bromobenzene	0.00500	U	0.000084	0.00500
95-49-8	2-Chlorotoluene	0.00500	U	0.000044	0.00500
106-43-4	4-Chlorotoluene	0.00500	U	0.000052	0.00500
98-06-6	tert-Butylbenzene	0.00500	U	0.000077	0.00500
135-98-8	sec-Butylbenzene	0.00500	U	0.000026	0.00500

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913048

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Water

Sample wt/vol: 5 (g/ml) mL Lab Sample ID: 913048

Level: (low/med) LOW Lab File ID: 2110116/a8963

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1033

Soil Extract Volume: (µL Dilution Factor: 1 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449012

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	0.000098	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000118	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000036	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000078	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.000690	0.00500
91-20-3	Naphthalene	0.00500	U	0.000081	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.000395	0.025
75-35-4	1,1-Dichloroethene	0.00500	U	0.000164	0.00500
71-43-2	Benzene	0.00500	U	0.000054	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000061	0.00500
108-88-3	Toluene	0.00500	U	0.000059	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000027	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913051

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 913051

Level: (low/med) LOW Lab File ID: 2110116/a8964

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1055

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	1.25	U	0.053	1.25
107-02-8	Acrolein	1.25	U	0.100	1.25
107-13-1	Acrylonitrile	1.25	U	0.054	1.25
75-27-4	Bromodichloromethane	0.250	U	0.00750	0.250
75-25-2	Bromoform	0.250	U	0.012	0.250
74-83-9	Bromomethane	0.250	U	0.073	0.250
75-15-0	Carbon disulfide	0.250	U	0.023	0.250
56-23-5	Carbon tetrachloride	0.250	U	0.012	0.250
75-00-3	Chloroethane	0.250	U	0.033	0.250
136777-61-	m,p-Xylene	0.250	U	0.025	0.250
67-66-3	Chloroform	0.250	U	0.012	0.250
74-87-3	Chloromethane	0.250	U	0.038	0.250
124-48-1	Dibromochloromethane	0.250	U	0.00700	0.250
74-95-3	Dibromomethane	0.250	U	0.016	0.250
75-71-8	Dichlorodifluoromethane	0.250	U	0.00555	0.250
75-34-3	1,1-Dichloroethane	0.250	U	0.017	0.250
107-06-2	1,2-Dichloroethane	0.250	U	0.00655	0.250
156-59-2	cis-1,2-Dichloroethene	0.250	U	0.00860	0.250
156-60-5	trans-1,2-Dichloroethene	0.250	U	0.010	0.250
75-09-2	Methylene chloride	0.500	U	0.017	0.500
78-87-5	1,2-Dichloropropane	0.250	U	0.00540	0.250
10061-01-5	cis-1,3-Dichloropropene	0.250	U	0.00725	0.250
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.011	0.250
100-41-4	Ethylbenzene	0.250	U	0.010	0.250
591-78-6	2-Hexanone	0.250	U	0.017	0.250
98-82-8	Isopropylbenzene (Cumene)	0.250	U	0.00975	0.250
78-93-3	2-Butanone	0.250	U	0.030	0.250
74-88-4	Methyl iodide	0.250	U	0.066	0.250
108-10-1	4-Methyl-2-pentanone	0.250	U	0.017	0.250
103-65-1	n-Propylbenzene	0.250	U	0.014	0.250
100-42-5	Styrene	0.250	U	0.013	0.250

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913051

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 913051

Level: (low/med) LOW Lab File ID: 2110116/a8964

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1055

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.250	U	0.010	0.250
630-20-6	1,1,1,2-Tetrachloroethane	0.250	U	0.00525	0.250
79-34-5	1,1,2,2-Tetrachloroethane	0.250	U	0.014	0.250
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.015	0.250
71-55-6	1,1,1-Trichloroethane	0.250	U	0.012	0.250
79-00-5	1,1,2-Trichloroethane	0.250	U	0.012	0.250
75-69-4	Trichlorofluoromethane	0.250	U	0.00670	0.250
96-18-4	1,2,3-Trichloropropane	0.100	U	0.017	0.100
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.015	0.250
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.012	0.250
75-01-4	Vinyl chloride	0.250	U	0.00675	0.250
95-47-6	o-Xylene	0.250	U	0.00945	0.250
96-12-8	1,2-Dibromo-3-chloropropane	0.250	U	0.040	0.250
106-93-4	1,2-Dibromoethane	0.250	U	0.012	0.250
108-05-4	Vinyl acetate	0.250	U	0.011	0.250
1634-04-4	tert-Butyl methyl ether (MTBE)	0.250	U	0.00835	0.250
99-87-6	4-Isopropyltoluene	0.250	U	0.013	0.250
1330-20-7	Xylene (total)	0.500	U	0.034	0.500
108-87-2	Methylcyclohexane	0.250	U	0.00820	0.250
110-57-6	trans-1,4-Dichloro-2-butene	0.250	U	0.028	0.250
110-82-7	Cyclohexane	0.250	U	0.00880	0.250
594-20-7	2,2-Dichloropropane	0.250	U	0.058	0.250
79-20-9	Methyl Acetate	0.250	U	0.017	0.250
76-13-1	Trichlorotrifluoroethane	0.250	U	0.058	0.250
563-58-6	1,1-Dichloropropene	0.250	U	0.010	0.250
110-75-8	2-Chloroethylvinyl ether	0.250	U	0.012	0.250
142-28-9	1,3-Dichloropropane	0.250	U	0.00895	0.250
108-86-1	Bromobenzene	0.250	U	0.015	0.250
95-49-8	2-Chlorotoluene	0.250	U	0.013	0.250
106-43-4	4-Chlorotoluene	0.250	U	0.015	0.250
98-06-6	tert-Butylbenzene	0.250	U	0.012	0.250
135-98-8	sec-Butylbenzene	0.250	U	0.013	0.250

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913051

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 913051

Level: (low/med) LOW Lab File ID: 2110116/a8964

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV11 Date Analyzed: 01/16/11 Time: 1055

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: RJU

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449013

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.250	U	0.016	0.250
106-46-7	1,4-Dichlorobenzene	0.250	U	0.021	0.250
104-51-8	n-Butylbenzene	0.250	U	0.017	0.250
95-50-1	1,2-Dichlorobenzene	0.250	U	0.016	0.250
87-68-3	Hexachlorobutadiene	0.250	U	0.012	0.250
91-20-3	Naphthalene	0.250	U	0.041	0.250
71-36-3	n-Butyl alcohol	1.25	U	0.915	1.25
75-35-4	1,1-Dichloroethene	0.250	U	0.033	0.250
71-43-2	Benzene	0.250	U	0.00685	0.250
79-01-6	Trichloroethene	0.250	U	0.012	0.250
108-88-3	Toluene	0.250	U	0.010	0.250
108-90-7	Chlorobenzene	0.250	U	0.00940	0.250

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913705

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 913705

Level: (low/med) LOW Lab File ID: 2110118p/k9909

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV5 Date Analyzed: 01/18/11 Time: 1455

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449157

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	1.25	U	0.053	1.25
107-02-8	Acrolein	1.25	U	0.100	1.25
107-13-1	Acrylonitrile	1.25	U	0.054	1.25
75-27-4	Bromodichloromethane	0.250	U	0.00750	0.250
75-25-2	Bromoform	0.250	U	0.012	0.250
74-83-9	Bromomethane	0.250	U	0.073	0.250
75-15-0	Carbon disulfide	0.250	U	0.023	0.250
56-23-5	Carbon tetrachloride	0.250	U	0.012	0.250
75-00-3	Chloroethane	0.250	U	0.033	0.250
136777-61-	m,p-Xylene	0.250	U	0.025	0.250
67-66-3	Chloroform	0.250	U	0.012	0.250
74-87-3	Chloromethane	0.250	U	0.038	0.250
124-48-1	Dibromochloromethane	0.250	U	0.00700	0.250
74-95-3	Dibromomethane	0.250	U	0.016	0.250
75-71-8	Dichlorodifluoromethane	0.250	U	0.00555	0.250
75-34-3	1,1-Dichloroethane	0.250	U	0.017	0.250
107-06-2	1,2-Dichloroethane	0.250	U	0.00655	0.250
156-59-2	cis-1,2-Dichloroethene	0.250	U	0.00860	0.250
156-60-5	trans-1,2-Dichloroethene	0.250	U	0.010	0.250
75-09-2	Methylene chloride	0.500	U	0.017	0.500
78-87-5	1,2-Dichloropropane	0.250	U	0.00540	0.250
10061-01-5	cis-1,3-Dichloropropene	0.250	U	0.00725	0.250
10061-02-6	trans-1,3-Dichloropropene	0.250	U	0.011	0.250
100-41-4	Ethylbenzene	0.250	U	0.010	0.250
591-78-6	2-Hexanone	0.250	U	0.017	0.250
98-82-8	Isopropylbenzene (Cumene)	0.250	U	0.00975	0.250
78-93-3	2-Butanone	0.250	U	0.030	0.250
74-88-4	Methyl iodide	0.250	U	0.066	0.250
108-10-1	4-Methyl-2-pentanone	0.250	U	0.017	0.250
103-65-1	n-Propylbenzene	0.250	U	0.014	0.250
100-42-5	Styrene	0.250	U	0.013	0.250

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913705

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 913705

Level: (low/med) LOW Lab File ID: 2110118p/k9909

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV5 Date Analyzed: 01/18/11 Time: 1455

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449157

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.250	U	0.010	0.250
630-20-6	1,1,1,2-Tetrachloroethane	0.250	U	0.00525	0.250
79-34-5	1,1,2,2-Tetrachloroethane	0.250	U	0.014	0.250
120-82-1	1,2,4-Trichlorobenzene	0.250	U	0.015	0.250
71-55-6	1,1,1-Trichloroethane	0.250	U	0.012	0.250
79-00-5	1,1,2-Trichloroethane	0.250	U	0.012	0.250
75-69-4	Trichlorofluoromethane	0.250	U	0.00670	0.250
96-18-4	1,2,3-Trichloropropane	0.100	U	0.017	0.100
95-63-6	1,2,4-Trimethylbenzene	0.250	U	0.015	0.250
108-67-8	1,3,5-Trimethylbenzene	0.250	U	0.012	0.250
75-01-4	Vinyl chloride	0.250	U	0.00675	0.250
95-47-6	o-Xylene	0.250	U	0.00945	0.250
96-12-8	1,2-Dibromo-3-chloropropane	0.250	U	0.040	0.250
106-93-4	1,2-Dibromoethane	0.250	U	0.012	0.250
108-05-4	Vinyl acetate	0.250	U	0.011	0.250
1634-04-4	tert-Butyl methyl ether (MTBE)	0.250	U	0.00835	0.250
99-87-6	4-Isopropyltoluene	0.250	U	0.013	0.250
1330-20-7	Xylene (total)	0.500	U	0.034	0.500
108-87-2	Methylcyclohexane	0.250	U	0.00820	0.250
110-57-6	trans-1,4-Dichloro-2-butene	0.250	U	0.028	0.250
110-82-7	Cyclohexane	0.250	U	0.00880	0.250
594-20-7	2,2-Dichloropropane	0.250	U	0.058	0.250
79-20-9	Methyl Acetate	0.250	U	0.017	0.250
76-13-1	Trichlorotrifluoroethane	0.250	U	0.058	0.250
563-58-6	1,1-Dichloropropene	0.250	U	0.010	0.250
110-75-8	2-Chloroethylvinyl ether	0.250	U	0.012	0.250
142-28-9	1,3-Dichloropropane	0.250	U	0.00895	0.250
108-86-1	Bromobenzene	0.250	U	0.015	0.250
95-49-8	2-Chlorotoluene	0.250	U	0.013	0.250
106-43-4	4-Chlorotoluene	0.250	U	0.015	0.250
98-06-6	tert-Butylbenzene	0.250	U	0.012	0.250
135-98-8	sec-Butylbenzene	0.250	U	0.013	0.250

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB913705

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Matrix: (soil/water) Solid

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 913705

Level: (low/med) LOW Lab File ID: 2110118p/k9909

% Moisture: not dec. Date Collected: Time:

GC Column: RTX-VMS-30 ID: .25 (mm Date Received:

Instrument ID: MSV5 Date Analyzed: 01/18/11 Time: 1455

Soil Extract Volume: (µL Dilution Factor: 50 Analyst: CLH

Soil Aliquot Volume: (µL Prep Batch: Analytical Batch: 449157

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.250	U	0.016	0.250
106-46-7	1,4-Dichlorobenzene	0.250	U	0.021	0.250
104-51-8	n-Butylbenzene	0.250	U	0.017	0.250
95-50-1	1,2-Dichlorobenzene	0.250	U	0.016	0.250
87-68-3	Hexachlorobutadiene	0.250	U	0.012	0.250
91-20-3	Naphthalene	0.250	U	0.041	0.250
71-36-3	n-Butyl alcohol	1.25	U	0.915	1.25
75-35-4	1,1-Dichloroethene	0.250	U	0.033	0.250
71-43-2	Benzene	0.250	U	0.00685	0.250
79-01-6	Trichloroethene	0.250	U	0.012	0.250
108-88-3	Toluene	0.250	U	0.010	0.250
108-90-7	Chlorobenzene	0.250	U	0.00940	0.250

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1 .	EQUIPMENT BLANK	97		99		102		96		0
2 .	TRIP BLANK 1	96		99		100		94		0
3 .	TRIP BLANK 2	95		98		100		95		0
4 .	LCS913049	102		100		97		96		0
5 .	LCSD913050	102		100		97		97		0
6 .	MB913048	98		100		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.: 211011405

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1 .	T-15-F	106		98		98		93		0
2 .	T-15-F MS	103		100		96		96		0
3 .	T-15-F MSD	101		100		97		99		0
4 .	T-21-F	104		97		98		97		0
5 .	NC-0-0.3	106		95		97		96		0
6 .	T-2-WEST	99		102		99		102		0
7 .	T-6-FLOOR	102		97		99		97		0
8 .	T-6-EAST	104		98		99		98		0
9 .	T-6-SOUTH	100		98		99		96		0
10 .	T-6-NORTH	105		97		96		97		0
11 .	BLIND DUP	103		98		99		97		0
12 .	SC-W	106		96		96		95		0
13 .	SC-E	106		97		97		96		0
14 .	LCS913052	102		100		97		96		0
15 .	LCS913706	103		99		96		101		0
16 .	LCSD913053	102		100		97		97		0
17 .	LCSD913707	104		102		99		100		0
18 .	MB913051	102		96		97		94		0
19 .	MB913705	98		101		99		102		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

FORM II VOA-2

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Analytical Batch: 449012

SAMPLE NO. : 913049

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/L	.05	0	.049	98		75 - 124
1,1,1-Trichloroethane	mg/L	.05	0	.046	93		76 - 126
1,1,2,2-Tetrachloroethane	mg/L	.05	0	.058	116		70 - 122
1,1,2-Trichloroethane	mg/L	.05	0	.047	94		72 - 121
1,1-Dichloroethane	mg/L	.05	0	.047	94		74 - 127
1,1-Dichloroethene	mg/L	.05	0	.046	93		69 - 129
1,1-Dichloropropene	mg/L	.05	0	.047	94		72 - 131
1,2,3-Trichloropropane	mg/L	.05	0	.05	100		70 - 120
1,2,4-Trichlorobenzene	mg/L	.05	0	.05	100		61 - 135
1,2,4-Trimethylbenzene	mg/L	.05	0	.048	97		74 - 125
1,2-Dibromo-3-chloropropane	mg/L	.05	0	.056	112		57 - 121
1,2-Dibromoethane	mg/L	.05	0	.047	94		70 - 124
1,2-Dichlorobenzene	mg/L	.05	0	.05	100		71 - 126
1,2-Dichloroethane	mg/L	.05	0	.047	93		71 - 129
1,2-Dichloropropane	mg/L	.05	0	.047	94		72 - 128
1,3,5-Trimethylbenzene	mg/L	.05	0	.049	97		71 - 132
1,3-Dichlorobenzene	mg/L	.05	0	.049	98		74 - 126
1,3-Dichloropropane	mg/L	.05	0	.047	94		74 - 122
1,4-Dichlorobenzene	mg/L	.05	0	.049	98		72 - 122
2,2-Dichloropropane	mg/L	.05	0	.047	95		77 - 124
2-Butanone	mg/L	.05	0	.056	112		58 - 137
2-Chloroethylvinyl ether	mg/L	.05	0	.042	84		56 - 124
2-Chlorotoluene	mg/L	.05	0	.049	99		72 - 127
2-Hexanone	mg/L	.05	0	.061	121		50 - 135
4-Chlorotoluene	mg/L	.05	0	.049	98		75 - 126
4-Isopropyltoluene	mg/L	.05	0	.048	96		71 - 129
4-Methyl-2-pentanone	mg/L	.05	0	.053	106		57 - 132
Acetone	mg/L	.05	0	.057	114		44 - 156
Acrolein	mg/L	.25	0	.311	124		30 - 160
Acrylonitrile	mg/L	.25	0	.258	103		64 - 137
Benzene	mg/L	.05	0	.047	93		70 - 129
Bromobenzene	mg/L	.05	0	.049	97		71 - 120
Bromodichloromethane	mg/L	.05	0	.047	95		74 - 125
Bromoform	mg/L	.05	0	.054	107		64 - 122
Bromomethane	mg/L	.05	0	.045	91		47 - 138

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: 0 out of 148 outside limits

FORM III VOA-1

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Analytical Batch: 449012

Carbon disulfide	mg/L	.05	0	.045	91		69 - 136
Carbon tetrachloride	mg/L	.05	0	.047	94		76 - 128
Chlorobenzene	mg/L	.05	0	.049	98		74 - 123
Chloroethane	mg/L	.05	0	.047	94		62 - 141
Chloroform	mg/L	.05	0	.047	95		75 - 122
Chloromethane	mg/L	.05	0	.045	89		59 - 132
Cyclohexane	mg/L	.05	0	.048	97		69 - 132
Dibromochloromethane	mg/L	.05	0	.049	97		71 - 123
Dibromomethane	mg/L	.05	0	.047	93		72 - 129
Dichlorodifluoromethane	mg/L	.05	0	.044	88		58 - 140
Ethylbenzene	mg/L	.05	0	.048	95		74 - 126
Hexachlorobutadiene	mg/L	.05	0	.048	96		61 - 144
Isopropylbenzene (Cumene)	mg/L	.05	0	.048	96		71 - 125
Methyl Acetate	mg/L	.05	0	.052	103		57 - 139
Methyl iodide	mg/L	.05	0	.047	94		57 - 141
Methylcyclohexane	mg/L	.05	0	.047	95		67 - 138
Methylene chloride	mg/L	.05	0	.044	88		68 - 132
Naphthalene	mg/L	.05	0	.052	103		57 - 138
Styrene	mg/L	.05	0	.05	101		71 - 127
Tetrachloroethene	mg/L	.05	0	.047	94		68 - 128
Toluene	mg/L	.05	0	.048	97		72 - 120
Trichloroethene	mg/L	.05	0	.046	91		76 - 129
Trichlorofluoromethane	mg/L	.05	0	.046	93		72 - 136
Trichlorotrifluoroethane	mg/L	.05	0	.047	95		72 - 136
Vinyl acetate	mg/L	.05	0	.054	108		54 - 147
Vinyl chloride	mg/L	.05	0	.046	92		68 - 132
Xylene (total)	mg/L	.15	0	.143	95		74 - 127
cis-1,2-Dichloroethene	mg/L	.05	0	.047	93		73 - 130
cis-1,3-Dichloropropene	mg/L	.05	0	.048	96		71 - 132
m,p-Xylene	mg/L	.1	0	.096	96		74 - 126
n-Butylbenzene	mg/L	.05	0	.048	96		69 - 134
n-Propylbenzene	mg/L	.05	0	.049	97		75 - 129
o-Xylene	mg/L	.05	0	.048	95		73 - 130
sec-Butylbenzene	mg/L	.05	0	.049	97		70 - 136
tert-Butyl methyl ether (MTBE)	mg/L	.05	0	.047	95		71 - 125
tert-Butylbenzene	mg/L	.05	0	.048	96		72 - 126
trans-1,2-Dichloroethene	mg/L	.05	0	.046	92		69 - 132
trans-1,3-Dichloropropene	mg/L	.05	0	.048	96		71 - 131
trans-1,4-Dichloro-2-butene	mg/L	.05	0	.055	110		56 - 132

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: 0 out of 148 outside limits

FORM III VOA-1

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Analytical Batch: 449012

SAMPLE NO. : 913050

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1,1,2-Tetrachloroethane	mg/L	.05	.046	92		6		75 - 124	0 - 30
1,1,1-Trichloroethane	mg/L	.05	.045	89		2		76 - 126	0 - 30
1,1,2,2-Tetrachloroethane	mg/L	.05	.049	98		17		70 - 122	0 - 30
1,1,2-Trichloroethane	mg/L	.05	.043	86		9		72 - 121	0 - 30
1,1-Dichloroethane	mg/L	.05	.044	88		7		74 - 127	0 - 30
1,1-Dichloroethene	mg/L	.05	.045	90		2		69 - 129	0 - 20
1,1-Dichloropropene	mg/L	.05	.045	90		4		72 - 131	0 - 30
1,2,3-Trichloropropane	mg/L	.05	.044	88		13		70 - 120	0 - 30
1,2,4-Trichlorobenzene	mg/L	.05	.045	90		11		61 - 135	0 - 30
1,2,4-Trimethylbenzene	mg/L	.05	.046	92		4		74 - 125	0 - 30
1,2-Dibromo-3-chloropropane	mg/L	.05	.046	92		20		57 - 121	0 - 30
1,2-Dibromoethane	mg/L	.05	.043	86		9		70 - 124	0 - 30
1,2-Dichlorobenzene	mg/L	.05	.047	93		6		71 - 126	0 - 30
1,2-Dichloroethane	mg/L	.05	.043	86		9		71 - 129	0 - 30
1,2-Dichloropropane	mg/L	.05	.045	90		4		72 - 128	0 - 30
1,3,5-Trimethylbenzene	mg/L	.05	.046	93		6		71 - 132	0 - 30
1,3-Dichlorobenzene	mg/L	.05	.046	93		6		74 - 126	0 - 30
1,3-Dichloropropane	mg/L	.05	.043	87		9		74 - 122	0 - 30
1,4-Dichlorobenzene	mg/L	.05	.047	94		4		72 - 122	0 - 30
2,2-Dichloropropane	mg/L	.05	.045	90		4		77 - 124	0 - 30
2-Butanone	mg/L	.05	.047	94		17		58 - 137	0 - 30
2-Chloroethylvinyl ether	mg/L	.05	.032	64		27		56 - 124	0 - 30
2-Chlorotoluene	mg/L	.05	.047	93		4		72 - 127	0 - 30
2-Hexanone	mg/L	.05	.049	98		22		50 - 135	0 - 30
4-Chlorotoluene	mg/L	.05	.046	93		6		75 - 126	0 - 30
4-Isopropyltoluene	mg/L	.05	.046	92		4		71 - 129	0 - 30
4-Methyl-2-pentanone	mg/L	.05	.044	89		19		57 - 132	0 - 30
Acetone	mg/L	.05	.05	99		13		44 - 156	0 - 30
Acrolein	mg/L	.25	.287	115		8		30 - 160	0 - 30
Acrylonitrile	mg/L	.25	.235	94		9		64 - 137	0 - 30
Benzene	mg/L	.05	.044	89		7		70 - 129	0 - 20
Bromobenzene	mg/L	.05	.046	93		6		71 - 120	0 - 30
Bromodichloromethane	mg/L	.05	.045	89		4		74 - 125	0 - 30
Bromoform	mg/L	.05	.047	93		14		64 - 122	0 - 30
Bromomethane	mg/L	.05	.043	87		5		47 - 138	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: 0 out of 148 outside limits

FORM III VOA-1

3A

WATER VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Analytical Batch: 449012

Carbon disulfide	mg/L	.05	.044	88		2		69 - 136	0 - 30
Carbon tetrachloride	mg/L	.05	.045	90		4		76 - 128	0 - 30
Chlorobenzene	mg/L	.05	.046	92		6		74 - 123	0 - 20
Chloroethane	mg/L	.05	.044	88		7		62 - 141	0 - 30
Chloroform	mg/L	.05	.045	89		4		75 - 122	0 - 30
Chloromethane	mg/L	.05	.043	86		5		59 - 132	0 - 30
Cyclohexane	mg/L	.05	.046	92		4		69 - 132	0 - 30
Dibromochloromethane	mg/L	.05	.045	89		9		71 - 123	0 - 30
Dibromomethane	mg/L	.05	.043	86		9		72 - 129	0 - 30
Dichlorodifluoromethane	mg/L	.05	.043	85		2		58 - 140	0 - 30
Ethylbenzene	mg/L	.05	.045	91		6		74 - 126	0 - 30
Hexachlorobutadiene	mg/L	.05	.047	93		2		61 - 144	0 - 30
Isopropylbenzene (Cumene)	mg/L	.05	.045	90		6		71 - 125	0 - 30
Methyl Acetate	mg/L	.05	.043	85		19		57 - 139	0 - 30
Methyl iodide	mg/L	.05	.046	92		2		57 - 141	0 - 30
Methylcyclohexane	mg/L	.05	.045	91		4		67 - 138	0 - 30
Methylene chloride	mg/L	.05	.042	84		5		68 - 132	0 - 30
Naphthalene	mg/L	.05	.043	85		19		57 - 138	0 - 35
Styrene	mg/L	.05	.047	94		6		71 - 127	0 - 30
Tetrachloroethene	mg/L	.05	.045	90		4		68 - 128	0 - 30
Toluene	mg/L	.05	.046	92		4		72 - 120	0 - 20
Trichloroethene	mg/L	.05	.044	88		4		76 - 129	0 - 20
Trichlorofluoromethane	mg/L	.05	.045	90		2		72 - 136	0 - 30
Trichlorotrifluoroethane	mg/L	.05	.045	91		4		72 - 136	0 - 30
Vinyl acetate	mg/L	.05	.05	100		8		54 - 147	0 - 30
Vinyl chloride	mg/L	.05	.043	85		7		68 - 132	0 - 30
Xylene (total)	mg/L	.15	.137	91		4		74 - 127	0 - 30
cis-1,2-Dichloroethene	mg/L	.05	.044	88		7		73 - 130	0 - 30
cis-1,3-Dichloropropene	mg/L	.05	.045	90		6		71 - 132	0 - 30
m,p-Xylene	mg/L	.1	.092	92		4		74 - 126	0 - 30
n-Butylbenzene	mg/L	.05	.046	92		4		69 - 134	0 - 30
n-Propylbenzene	mg/L	.05	.047	94		4		75 - 129	0 - 30
o-Xylene	mg/L	.05	.045	90		6		73 - 130	0 - 30
sec-Butylbenzene	mg/L	.05	.046	93		6		70 - 136	0 - 30
tert-Butyl methyl ether (MTBE)	mg/L	.05	.044	87		7		71 - 125	0 - 30
tert-Butylbenzene	mg/L	.05	.047	93		2		72 - 126	0 - 30
trans-1,2-Dichloroethene	mg/L	.05	.044	89		4		69 - 132	0 - 30
trans-1,3-Dichloropropene	mg/L	.05	.045	90		6		71 - 131	0 - 30
trans-1,4-Dichloro-2-butene	mg/L	.05	.047	93		16		56 - 132	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: 0 out of 148 outside limits

FORM III VOA-1

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

SAMPLE NO : 21101140502

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	#	QC. LIMITS
1,1,1,2-Tetrachloroethane	mg/kg	3.04	0	2.97	98		77 - 122
1,1,1-Trichloroethane	mg/kg	3.04	0	2.93	96		70 - 130
1,1,2,2-Tetrachloroethane	mg/kg	3.04	0	2.77	91		66 - 129
1,1,2-Trichloroethane	mg/kg	3.04	0	2.71	89		74 - 120
1,1-Dichloroethane	mg/kg	3.04	0	2.97	98		71 - 126
1,1-Dichloroethene	mg/kg	3.04	0	2.94	97		68 - 129
1,1-Dichloropropene	mg/kg	3.04	0	2.95	97		70 - 138
1,2,3-Trichloropropane	mg/kg	3.04	0	2.58	85		63 - 132
1,2,4-Trichlorobenzene	mg/kg	3.04	0	2.71	89		64 - 135
1,2,4-Trimethylbenzene	mg/kg	3.04	0	3.01	99		75 - 130
1,2-Dibromo-3-chloropropane	mg/kg	3.04	0	2.53	83		60 - 123
1,2-Dibromoethane	mg/kg	3.04	0	2.75	90		74 - 122
1,2-Dichlorobenzene	mg/kg	3.04	0	2.96	97		76 - 125
1,2-Dichloroethane	mg/kg	3.04	0	2.85	94		68 - 126
1,2-Dichloropropane	mg/kg	3.04	0	3	99		72 - 129
1,3,5-Trimethylbenzene	mg/kg	3.04	0	3.01	99		74 - 136
1,3-Dichlorobenzene	mg/kg	3.04	0	2.98	98		77 - 127
1,3-Dichloropropane	mg/kg	3.04	0	2.79	92		77 - 121
1,4-Dichlorobenzene	mg/kg	3.04	0	3	99		74 - 123
2,2-Dichloropropane	mg/kg	3.04	0	2.91	96		74 - 129
2-Butanone	mg/kg	3.04	0	2.73	90		47 - 142
2-Chloroethylvinyl ether	mg/kg	3.04	0	2.18	72		42 - 134
2-Chlorotoluene	mg/kg	3.04	0	3.01	99		75 - 132
2-Hexanone	mg/kg	3.04	0	2.71	89		47 - 137
4-Chlorotoluene	mg/kg	3.04	0	3.03	100		74 - 133
4-Isopropyltoluene	mg/kg	3.04	0	2.95	97		71 - 136
4-Methyl-2-pentanone	mg/kg	3.04	0	2.57	84		52 - 136
Acetone	mg/kg	3.04	0	2.84	93		38 - 152
Acrolein	mg/kg	15.2	0	1.05	7	*	34 - 158
Acrylonitrile	mg/kg	15.2	0	13	86		49 - 142
Benzene	mg/kg	3.04	0	3.1	102		73 - 128
Bromobenzene	mg/kg	3.04	0	3.02	99		73 - 124
Bromodichloromethane	mg/kg	3.04	0	2.97	98		74 - 126
Bromoform	mg/kg	3.04	0	2.77	91		67 - 122
Bromomethane	mg/kg	3.04	0	2.78	92		48 - 139
Carbon disulfide	mg/kg	3.04	0	2.94	97		68 - 133

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

* Values outside of QC limits

RPD : 6 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

Carbon tetrachloride	mg/kg	3.04	0	2.9	95		71 - 133
Chlorobenzene	mg/kg	3.04	0	3.01	99		75 - 121
Chloroethane	mg/kg	3.04	0	2.64	87		57 - 144
Chloroform	mg/kg	3.04	.638	2.96	76		74 - 124
Chloromethane	mg/kg	3.04	0	2.63	86		61 - 130
Cyclohexane	mg/kg	3.04	0	3	99		70 - 136
Dibromochloromethane	mg/kg	3.04	0	2.84	93		74 - 122
Dibromomethane	mg/kg	3.04	0	2.81	92		72 - 125
Dichlorodifluoromethane	mg/kg	3.04	0	2.75	90		59 - 138
Ethylbenzene	mg/kg	3.04	0	2.94	97		74 - 130
Hexachlorobutadiene	mg/kg	3.04	0	2.76	91		71 - 140
Isopropylbenzene (Cumene)	mg/kg	3.04	0	2.91	96		74 - 125
Methyl Acetate	mg/kg	3.04	0	2.76	91		49 - 138
Methyl iodide	mg/kg	3.04	0	3.14	103		54 - 140
Methylcyclohexane	mg/kg	3.04	0	2.88	95		70 - 142
Methylene chloride	mg/kg	3.04	0	2.85	94		66 - 130
Naphthalene	mg/kg	3.04	0	2.42	80		54 - 132
Styrene	mg/kg	3.04	0	3.08	101		72 - 128
Tetrachloroethene	mg/kg	3.04	0	2.89	95		70 - 127
Toluene	mg/kg	3.04	0	3.02	99		74 - 121
Trichloroethene	mg/kg	3.04	.112	2.96	94		78 - 127
Trichlorofluoromethane	mg/kg	3.04	0	2.96	97		64 - 141
Trichlorotrifluoroethane	mg/kg	3.04	0	2.9	95		66 - 139
Vinyl acetate	mg/kg	3.04	0	2.13	70		53 - 140
Vinyl chloride	mg/kg	3.04	0	2.76	91		67 - 131
Xylene (total)	mg/kg	9.12	0	8.97	98		71 - 129
cis-1,2-Dichloroethene	mg/kg	3.04	.198	2.96	91		72 - 130
cis-1,3-Dichloropropene	mg/kg	3.04	0	2.96	97		72 - 129
m,p-Xylene	mg/kg	6.08	0	5.97	98		72 - 128
n-Butylbenzene	mg/kg	3.04	0	2.95	97		68 - 144
n-Propylbenzene	mg/kg	3.04	0	3.01	99		73 - 137
o-Xylene	mg/kg	3.04	0	3	99		69 - 133
sec-Butylbenzene	mg/kg	3.04	0	2.97	98		72 - 141
tert-Butyl methyl ether (MTBE)	mg/kg	3.04	0	2.77	91		69 - 126
tert-Butylbenzene	mg/kg	3.04	0	2.97	98		72 - 136
trans-1,2-Dichloroethene	mg/kg	3.04	0	2.97	98		67 - 134
trans-1,3-Dichloropropene	mg/kg	3.04	0	2.88	95		72 - 126
trans-1,4-Dichloro-2-butene	mg/kg	3.04	0	2.67	88		44 - 146

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

* Values outside of QC limits

RPD : 6 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

SAMPLE NO : ***21101140503***

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1,1,2-Tetrachloroethane	mg/kg	2.47	2.38	96		22		77 - 122	0 - 30
1,1,1-Trichloroethane	mg/kg	2.47	2.3	93		24		70 - 130	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	2.47	2.36	96		16		66 - 129	0 - 30
1,1,2-Trichloroethane	mg/kg	2.47	2.27	92		18		74 - 120	0 - 30
1,1-Dichloroethane	mg/kg	2.47	2.34	95		24		71 - 126	0 - 30
1,1-Dichloroethene	mg/kg	2.47	2.28	92		25	*	68 - 129	0 - 22
1,1-Dichloropropene	mg/kg	2.47	2.3	93		25		70 - 138	0 - 30
1,2,3-Trichloropropane	mg/kg	2.47	2.21	89		15		63 - 132	0 - 30
1,2,4-Trichlorobenzene	mg/kg	2.47	2.3	93		16		64 - 135	0 - 30
1,2,4-Trimethylbenzene	mg/kg	2.47	2.34	95		25		75 - 130	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	2.47	2.3	93		9		60 - 123	0 - 30
1,2-Dibromoethane	mg/kg	2.47	2.28	92		19		74 - 122	0 - 30
1,2-Dichlorobenzene	mg/kg	2.47	2.39	96		21		76 - 125	0 - 30
1,2-Dichloroethane	mg/kg	2.47	2.33	94		20		68 - 126	0 - 30
1,2-Dichloropropane	mg/kg	2.47	2.34	95		25		72 - 129	0 - 30
1,3,5-Trimethylbenzene	mg/kg	2.47	2.34	95		25		74 - 136	0 - 30
1,3-Dichlorobenzene	mg/kg	2.47	2.35	95		24		77 - 127	0 - 30
1,3-Dichloropropane	mg/kg	2.47	2.3	93		19		77 - 121	0 - 30
1,4-Dichlorobenzene	mg/kg	2.47	2.36	96		24		74 - 123	0 - 30
2,2-Dichloropropane	mg/kg	2.47	2.24	91		26		74 - 129	0 - 30
2-Butanone	mg/kg	2.47	2.54	103		7		47 - 142	0 - 30
2-Chloroethylvinyl ether	mg/kg	2.47	1.91	77		13		42 - 134	0 - 30
2-Chlorotoluene	mg/kg	2.47	2.36	96		24		75 - 132	0 - 30
2-Hexanone	mg/kg	2.47	2.55	103		6		47 - 137	0 - 30
4-Chlorotoluene	mg/kg	2.47	2.35	95		25		74 - 133	0 - 30
4-Isopropyltoluene	mg/kg	2.47	2.32	94		24		71 - 136	0 - 30
4-Methyl-2-pentanone	mg/kg	2.47	2.39	96		7		52 - 136	0 - 30
Acetone	mg/kg	2.47	2.6	105		9		38 - 152	0 - 30
Acrolein	mg/kg	12.4	2.45	20	*	80	*	34 - 158	0 - 30
Acrylonitrile	mg/kg	12.4	11.7	95		11		49 - 142	0 - 30
Benzene	mg/kg	2.47	2.36	96		27	*	73 - 128	0 - 21
Bromobenzene	mg/kg	2.47	2.36	96		24		73 - 124	0 - 30
Bromodichloromethane	mg/kg	2.47	2.35	95		23		74 - 126	0 - 30
Bromoform	mg/kg	2.47	2.39	96		15		67 - 122	0 - 30
Bromomethane	mg/kg	2.47	2.27	92		20		48 - 139	0 - 30
Carbon disulfide	mg/kg	2.47	2.27	92		26		68 - 133	0 - 30

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

* Values outside of QC limits

RPD : 6 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

3B
SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

Carbon tetrachloride	mg/kg	2.47	2.26	91		25		71 - 133	0 - 30
Chlorobenzene	mg/kg	2.47	2.39	96		23	*	75 - 121	0 - 21
Chloroethane	mg/kg	2.47	1.72	69		42	*	57 - 144	0 - 30
Chloroform	mg/kg	2.47	2.38	70	*	22		74 - 124	0 - 30
Chloromethane	mg/kg	2.47	2.13	86		21		61 - 130	0 - 30
Cyclohexane	mg/kg	2.47	2.36	96		24		70 - 136	0 - 30
Dibromochloromethane	mg/kg	2.47	2.3	93		21		74 - 122	0 - 30
Dibromomethane	mg/kg	2.47	2.28	92		21		72 - 125	0 - 30
Dichlorodifluoromethane	mg/kg	2.47	2.13	86		25		59 - 138	0 - 30
Ethylbenzene	mg/kg	2.47	2.29	93		25		74 - 130	0 - 30
Hexachlorobutadiene	mg/kg	2.47	2.3	93		18		71 - 140	0 - 30
Isopropylbenzene (Cumene)	mg/kg	2.47	2.33	94		22		74 - 125	0 - 30
Methyl Acetate	mg/kg	2.47	2.48	100		10		49 - 138	0 - 30
Methyl iodide	mg/kg	2.47	2.58	104		20		54 - 140	0 - 30
Methylcyclohexane	mg/kg	2.47	2.26	91		24		70 - 142	0 - 30
Methylene chloride	mg/kg	2.47	2.22	90		25		66 - 130	0 - 30
Naphthalene	mg/kg	2.47	2.28	92		6		54 - 132	0 - 30
Styrene	mg/kg	2.47	2.47	100		22		72 - 128	0 - 30
Tetrachloroethene	mg/kg	2.47	2.28	92		24		70 - 127	0 - 30
Toluene	mg/kg	2.47	2.39	96		23	*	74 - 121	0 - 21
Trichloroethene	mg/kg	2.47	2.34	90		23		78 - 127	0 - 24
Trichlorofluoromethane	mg/kg	2.47	2.27	92		26		64 - 141	0 - 30
Trichlorotrifluoroethane	mg/kg	2.47	2.27	92		24		66 - 139	0 - 30
Vinyl acetate	mg/kg	2.47	1.78	72		18		53 - 140	0 - 30
Vinyl chloride	mg/kg	2.47	2.18	88		23		67 - 131	0 - 30
Xylene (total)	mg/kg	7.43	7.04	95		24		71 - 129	0 - 30
cis-1,2-Dichloroethene	mg/kg	2.47	2.32	86		24		72 - 130	0 - 30
cis-1,3-Dichloropropene	mg/kg	2.47	2.39	96		21		72 - 129	0 - 30
m,p-Xylene	mg/kg	4.95	4.69	95		24		72 - 128	0 - 30
n-Butylbenzene	mg/kg	2.47	2.32	94		24		68 - 144	0 - 30
n-Propylbenzene	mg/kg	2.47	2.34	95		25		73 - 137	0 - 30
o-Xylene	mg/kg	2.47	2.35	95		24		69 - 133	0 - 30
sec-Butylbenzene	mg/kg	2.47	2.32	94		25		72 - 141	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	2.47	2.34	95		17		69 - 126	0 - 30
tert-Butylbenzene	mg/kg	2.47	2.32	94		25		72 - 136	0 - 30
trans-1,2-Dichloroethene	mg/kg	2.47	2.32	94		25		67 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	2.47	2.38	96		19		72 - 126	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	2.47	2.4	97		11		44 - 146	0 - 30

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD : 6 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

SAMPLE NO : 913052

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	2.5	0	2.45	98		77 - 122
1,1,1-Trichloroethane	mg/kg	2.5	0	2.32	93		70 - 130
1,1,2,2-Tetrachloroethane	mg/kg	2.5	0	2.9	116		66 - 129
1,1,2-Trichloroethane	mg/kg	2.5	0	2.34	94		74 - 120
1,1-Dichloroethane	mg/kg	2.5	0	2.36	94		71 - 126
1,1-Dichloroethene	mg/kg	2.5	0	2.32	93		68 - 129
1,1-Dichloropropene	mg/kg	2.5	0	2.35	94		70 - 138
1,2,3-Trichloropropane	mg/kg	2.5	0	2.5	100		63 - 132
1,2,4-Trichlorobenzene	mg/kg	2.5	0	2.51	100		64 - 135
1,2,4-Trimethylbenzene	mg/kg	2.5	0	2.42	97		75 - 130
1,2-Dibromo-3-chloropropane	mg/kg	2.5	0	2.8	112		60 - 123
1,2-Dibromoethane	mg/kg	2.5	0	2.34	94		74 - 122
1,2-Dichlorobenzene	mg/kg	2.5	0	2.49	100		76 - 125
1,2-Dichloroethane	mg/kg	2.5	0	2.33	93		68 - 126
1,2-Dichloropropane	mg/kg	2.5	0	2.35	94		72 - 129
1,3,5-Trimethylbenzene	mg/kg	2.5	0	2.42	97		74 - 136
1,3-Dichlorobenzene	mg/kg	2.5	0	2.45	98		77 - 127
1,3-Dichloropropane	mg/kg	2.5	0	2.34	94		77 - 121
1,4-Dichlorobenzene	mg/kg	2.5	0	2.46	98		74 - 123
2,2-Dichloropropane	mg/kg	2.5	0	2.37	95		74 - 129
2-Butanone	mg/kg	2.5	0	2.8	112		47 - 142
2-Chloroethylvinyl ether	mg/kg	2.5	0	2.11	84		42 - 134
2-Chlorotoluene	mg/kg	2.5	0	2.46	98		75 - 132
2-Hexanone	mg/kg	2.5	0	3.03	121		47 - 137
4-Chlorotoluene	mg/kg	2.5	0	2.44	98		74 - 133
4-Isopropyltoluene	mg/kg	2.5	0	2.4	96		71 - 136
4-Methyl-2-pentanone	mg/kg	2.5	0	2.64	106		52 - 136
Acetone	mg/kg	2.5	0	2.84	114		38 - 152
Acrolein	mg/kg	12.5	0	15.5	124		34 - 158
Acrylonitrile	mg/kg	12.5	0	12.9	103		49 - 142
Benzene	mg/kg	2.5	0	2.33	93		73 - 128
Bromobenzene	mg/kg	2.5	0	2.43	97		73 - 124
Bromodichloromethane	mg/kg	2.5	0	2.37	95		74 - 126
Bromoform	mg/kg	2.5	0	2.68	107		67 - 122
Bromomethane	mg/kg	2.5	0	2.27	91		48 - 139
Carbon disulfide	mg/kg	2.5	0	2.27	91		68 - 133

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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

Carbon tetrachloride	mg/kg	2.5	0	2.35	94		71 - 133
Chlorobenzene	mg/kg	2.5	0	2.44	98		75 - 121
Chloroethane	mg/kg	2.5	0	2.34	94		57 - 144
Chloroform	mg/kg	2.5	0	2.37	95		74 - 124
Chloromethane	mg/kg	2.5	0	2.23	89		61 - 130
Cyclohexane	mg/kg	2.5	0	2.42	97		70 - 136
Dibromochloromethane	mg/kg	2.5	0	2.44	98		74 - 122
Dibromomethane	mg/kg	2.5	0	2.32	93		72 - 125
Dichlorodifluoromethane	mg/kg	2.5	0	2.21	88		59 - 138
Ethylbenzene	mg/kg	2.5	0	2.37	95		74 - 130
Hexachlorobutadiene	mg/kg	2.5	0	2.39	96		71 - 140
Isopropylbenzene (Cumene)	mg/kg	2.5	0	2.39	96		74 - 125
Methyl Acetate	mg/kg	2.5	0	2.58	103		49 - 138
Methyl iodide	mg/kg	2.5	0	2.35	94		54 - 140
Methylcyclohexane	mg/kg	2.5	0	2.37	95		70 - 142
Methylene chloride	mg/kg	2.5	0	2.21	88		66 - 130
Naphthalene	mg/kg	2.5	0	2.58	103		54 - 132
Styrene	mg/kg	2.5	0	2.51	100		72 - 128
Tetrachloroethene	mg/kg	2.5	0	2.35	94		70 - 127
Toluene	mg/kg	2.5	0	2.42	97		74 - 121
Trichloroethene	mg/kg	2.5	0	2.28	91		78 - 127
Trichlorofluoromethane	mg/kg	2.5	0	2.32	93		64 - 141
Trichlorotrifluoroethane	mg/kg	2.5	0	2.36	94		66 - 139
Vinyl acetate	mg/kg	2.5	0	2.69	108		53 - 140
Vinyl chloride	mg/kg	2.5	0	2.29	92		67 - 131
Xylene (total)	mg/kg	7.5	0	7.17	96		71 - 129
cis-1,2-Dichloroethene	mg/kg	2.5	0	2.33	93		72 - 130
cis-1,3-Dichloropropene	mg/kg	2.5	0	2.39	96		72 - 129
m,p-Xylene	mg/kg	5	0	4.79	96		72 - 128
n-Butylbenzene	mg/kg	2.5	0	2.41	96		68 - 144
n-Propylbenzene	mg/kg	2.5	0	2.43	97		73 - 137
o-Xylene	mg/kg	2.5	0	2.38	95		69 - 133
sec-Butylbenzene	mg/kg	2.5	0	2.43	97		72 - 141
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	0	2.37	95		69 - 126
tert-Butylbenzene	mg/kg	2.5	0	2.39	96		72 - 136
trans-1,2-Dichloroethene	mg/kg	2.5	0	2.29	92		67 - 134
trans-1,3-Dichloropropene	mg/kg	2.5	0	2.41	96		72 - 126
trans-1,4-Dichloro-2-butene	mg/kg	2.5	0	2.76	110		44 - 146

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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

SAMPLE NO : 913053

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1,1,2-Tetrachloroethane	mg/kg	2.5	2.29	92		7		77 - 122	0 - 30
1,1,1-Trichloroethane	mg/kg	2.5	2.22	89		4		70 - 130	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.45	98		17		66 - 129	0 - 30
1,1,2-Trichloroethane	mg/kg	2.5	2.15	86		8		74 - 120	0 - 30
1,1-Dichloroethane	mg/kg	2.5	2.21	88		7		71 - 126	0 - 30
1,1-Dichloroethene	mg/kg	2.5	2.24	90		4		68 - 129	0 - 30
1,1-Dichloropropene	mg/kg	2.5	2.24	90		5		70 - 138	0 - 30
1,2,3-Trichloropropane	mg/kg	2.5	2.19	88		13		63 - 132	0 - 30
1,2,4-Trichlorobenzene	mg/kg	2.5	2.25	90		11		64 - 135	0 - 30
1,2,4-Trimethylbenzene	mg/kg	2.5	2.31	92		5		75 - 130	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.31	92		19		60 - 123	0 - 30
1,2-Dibromoethane	mg/kg	2.5	2.14	86		9		74 - 122	0 - 30
1,2-Dichlorobenzene	mg/kg	2.5	2.33	93		7		76 - 125	0 - 30
1,2-Dichloroethane	mg/kg	2.5	2.16	86		8		68 - 126	0 - 30
1,2-Dichloropropane	mg/kg	2.5	2.25	90		4		72 - 129	0 - 30
1,3,5-Trimethylbenzene	mg/kg	2.5	2.32	93		4		74 - 136	0 - 30
1,3-Dichlorobenzene	mg/kg	2.5	2.32	93		5		77 - 127	0 - 30
1,3-Dichloropropane	mg/kg	2.5	2.17	87		8		77 - 121	0 - 30
1,4-Dichlorobenzene	mg/kg	2.5	2.34	94		5		74 - 123	0 - 30
2,2-Dichloropropane	mg/kg	2.5	2.25	90		5		74 - 129	0 - 30
2-Butanone	mg/kg	2.5	2.34	94		18		47 - 142	0 - 30
2-Chloroethylvinyl ether	mg/kg	2.5	1.61	64		27		42 - 134	0 - 30
2-Chlorotoluene	mg/kg	2.5	2.33	93		5		75 - 132	0 - 30
2-Hexanone	mg/kg	2.5	2.44	98		22		47 - 137	0 - 30
4-Chlorotoluene	mg/kg	2.5	2.32	93		5		74 - 133	0 - 30
4-Isopropyltoluene	mg/kg	2.5	2.3	92		4		71 - 136	0 - 30
4-Methyl-2-pentanone	mg/kg	2.5	2.21	88		18		52 - 136	0 - 30
Acetone	mg/kg	2.5	2.49	100		13		38 - 152	0 - 30
Acrolein	mg/kg	12.5	14.3	114		8		34 - 158	0 - 30
Acrylonitrile	mg/kg	12.5	11.7	94		10		49 - 142	0 - 30
Benzene	mg/kg	2.5	2.22	89		5		73 - 128	0 - 30
Bromobenzene	mg/kg	2.5	2.32	93		5		73 - 124	0 - 30
Bromodichloromethane	mg/kg	2.5	2.23	89		6		74 - 126	0 - 30
Bromoform	mg/kg	2.5	2.33	93		14		67 - 122	0 - 30
Bromomethane	mg/kg	2.5	2.17	87		5		48 - 139	0 - 30
Carbon disulfide	mg/kg	2.5	2.21	88		3		68 - 133	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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449013

Carbon tetrachloride	mg/kg	2.5	2.24	90		5		71 - 133	0 - 30
Chlorobenzene	mg/kg	2.5	2.31	92		5		75 - 121	0 - 30
Chloroethane	mg/kg	2.5	2.21	88		6		57 - 144	0 - 30
Chloroform	mg/kg	2.5	2.23	89		6		74 - 124	0 - 30
Chloromethane	mg/kg	2.5	2.14	86		4		61 - 130	0 - 30
Cyclohexane	mg/kg	2.5	2.3	92		5		70 - 136	0 - 30
Dibromochloromethane	mg/kg	2.5	2.22	89		9		74 - 122	0 - 30
Dibromomethane	mg/kg	2.5	2.14	86		8		72 - 125	0 - 30
Dichlorodifluoromethane	mg/kg	2.5	2.13	85		4		59 - 138	0 - 30
Ethylbenzene	mg/kg	2.5	2.26	90		5		74 - 130	0 - 30
Hexachlorobutadiene	mg/kg	2.5	2.33	93		3		71 - 140	0 - 30
Isopropylbenzene (Cumene)	mg/kg	2.5	2.26	90		6		74 - 125	0 - 30
Methyl Acetate	mg/kg	2.5	2.13	85		19		49 - 138	0 - 30
Methyl iodide	mg/kg	2.5	2.29	92		3		54 - 140	0 - 30
Methylcyclohexane	mg/kg	2.5	2.26	90		5		70 - 142	0 - 30
Methylene chloride	mg/kg	2.5	2.1	84		5		66 - 130	0 - 30
Naphthalene	mg/kg	2.5	2.13	85		19		54 - 132	0 - 30
Styrene	mg/kg	2.5	2.35	94		7		72 - 128	0 - 30
Tetrachloroethene	mg/kg	2.5	2.24	90		5		70 - 127	0 - 30
Toluene	mg/kg	2.5	2.31	92		5		74 - 121	0 - 30
Trichloroethene	mg/kg	2.5	2.2	88		4		78 - 127	0 - 30
Trichlorofluoromethane	mg/kg	2.5	2.25	90		3		64 - 141	0 - 30
Trichlorotrifluoroethane	mg/kg	2.5	2.27	91		4		66 - 139	0 - 30
Vinyl acetate	mg/kg	2.5	2.49	100		8		53 - 140	0 - 30
Vinyl chloride	mg/kg	2.5	2.13	85		7		67 - 131	0 - 30
Xylene (total)	mg/kg	7.5	6.84	91		5		71 - 129	0 - 30
cis-1,2-Dichloroethene	mg/kg	2.5	2.2	88		6		72 - 130	0 - 30
cis-1,3-Dichloropropene	mg/kg	2.5	2.25	90		6		72 - 129	0 - 30
m,p-Xylene	mg/kg	5	4.59	92		4		72 - 128	0 - 30
n-Butylbenzene	mg/kg	2.5	2.31	92		4		68 - 144	0 - 30
n-Propylbenzene	mg/kg	2.5	2.34	94		4		73 - 137	0 - 30
o-Xylene	mg/kg	2.5	2.25	90		6		69 - 133	0 - 30
sec-Butylbenzene	mg/kg	2.5	2.32	93		5		72 - 141	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	2.17	87		9		69 - 126	0 - 30
tert-Butylbenzene	mg/kg	2.5	2.32	93		3		72 - 136	0 - 30
trans-1,2-Dichloroethene	mg/kg	2.5	2.22	89		3		67 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	2.5	2.25	90		7		72 - 126	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	2.5	2.33	93		17		44 - 146	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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449157

SAMPLE NO : 913706

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	2.5	0	2.44	98		77 - 122
1,1,1-Trichloroethane	mg/kg	2.5	0	2.62	105		70 - 130
1,1,2,2-Tetrachloroethane	mg/kg	2.5	0	2.54	102		66 - 129
1,1,2-Trichloroethane	mg/kg	2.5	0	2.6	104		74 - 120
1,1-Dichloroethane	mg/kg	2.5	0	2.74	110		71 - 126
1,1-Dichloroethene	mg/kg	2.5	0	2.67	107		68 - 129
1,1-Dichloropropene	mg/kg	2.5	0	2.65	106		70 - 138
1,2,3-Trichloropropane	mg/kg	2.5	0	2.58	103		63 - 132
1,2,4-Trichlorobenzene	mg/kg	2.5	0	2.8	112		64 - 135
1,2,4-Trimethylbenzene	mg/kg	2.5	0	2.65	106		75 - 130
1,2-Dibromo-3-chloropropane	mg/kg	2.5	0	2.73	109		60 - 123
1,2-Dibromoethane	mg/kg	2.5	0	2.68	107		74 - 122
1,2-Dichlorobenzene	mg/kg	2.5	0	2.61	104		76 - 125
1,2-Dichloroethane	mg/kg	2.5	0	2.66	106		68 - 126
1,2-Dichloropropane	mg/kg	2.5	0	2.72	109		72 - 129
1,3,5-Trimethylbenzene	mg/kg	2.5	0	2.7	108		74 - 136
1,3-Dichlorobenzene	mg/kg	2.5	0	2.57	103		77 - 127
1,3-Dichloropropane	mg/kg	2.5	0	2.56	102		77 - 121
1,4-Dichlorobenzene	mg/kg	2.5	0	2.53	101		74 - 123
2,2-Dichloropropane	mg/kg	2.5	0	2.67	107		74 - 129
2-Butanone	mg/kg	2.5	0	2.8	112		47 - 142
2-Chloroethylvinyl ether	mg/kg	2.5	0	2.47	99		42 - 134
2-Chlorotoluene	mg/kg	2.5	0	2.55	102		75 - 132
2-Hexanone	mg/kg	2.5	0	2.75	110		47 - 137
4-Chlorotoluene	mg/kg	2.5	0	2.61	104		74 - 133
4-Isopropyltoluene	mg/kg	2.5	0	2.76	110		71 - 136
4-Methyl-2-pentanone	mg/kg	2.5	0	2.82	113		52 - 136
Acetone	mg/kg	2.5	0	2.58	103		38 - 152
Acrolein	mg/kg	12.5	0	11.6	93		34 - 158
Acrylonitrile	mg/kg	12.5	0	12.8	102		49 - 142
Benzene	mg/kg	2.5	0	2.56	102		73 - 128
Bromobenzene	mg/kg	2.5	0	2.41	96		73 - 124
Bromodichloromethane	mg/kg	2.5	0	2.71	108		74 - 126
Bromoform	mg/kg	2.5	0	2.75	110		67 - 122
Bromomethane	mg/kg	2.5	0	2.53	101		48 - 139
Carbon disulfide	mg/kg	2.5	0	2.85	114		68 - 133

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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449157

Carbon tetrachloride	mg/kg	2.5	0	2.83	113		71 - 133
Chlorobenzene	mg/kg	2.5	0	2.5	100		75 - 121
Chloroethane	mg/kg	2.5	0	2.83	113		57 - 144
Chloroform	mg/kg	2.5	0	2.67	107		74 - 124
Chloromethane	mg/kg	2.5	0	2.66	106		61 - 130
Cyclohexane	mg/kg	2.5	0	2.74	110		70 - 136
Dibromochloromethane	mg/kg	2.5	0	2.65	106		74 - 122
Dibromomethane	mg/kg	2.5	0	2.69	108		72 - 125
Dichlorodifluoromethane	mg/kg	2.5	0	2.83	113		59 - 138
Ethylbenzene	mg/kg	2.5	0	2.47	99		74 - 130
Hexachlorobutadiene	mg/kg	2.5	0	2.89	116		71 - 140
Isopropylbenzene (Cumene)	mg/kg	2.5	0	2.72	109		74 - 125
Methyl Acetate	mg/kg	2.5	0	2.78	111		49 - 138
Methyl iodide	mg/kg	2.5	0	2.18	87		54 - 140
Methylcyclohexane	mg/kg	2.5	0	2.91	116		70 - 142
Methylene chloride	mg/kg	2.5	0	2.57	103		66 - 130
Naphthalene	mg/kg	2.5	0	2.9	116		54 - 132
Styrene	mg/kg	2.5	0	2.65	106		72 - 128
Tetrachloroethene	mg/kg	2.5	0	2.61	104		70 - 127
Toluene	mg/kg	2.5	0	2.48	99		74 - 121
Trichloroethene	mg/kg	2.5	0	2.59	104		78 - 127
Trichlorofluoromethane	mg/kg	2.5	0	2.73	109		64 - 141
Trichlorotrifluoroethane	mg/kg	2.5	0	2.79	112		66 - 139
Vinyl acetate	mg/kg	2.5	0	1.84	74		53 - 140
Vinyl chloride	mg/kg	2.5	0	2.67	107		67 - 131
Xylene (total)	mg/kg	7.5	0	7.71	103		71 - 129
cis-1,2-Dichloroethene	mg/kg	2.5	0	2.7	108		72 - 130
cis-1,3-Dichloropropene	mg/kg	2.5	0	2.81	112		72 - 129
m,p-Xylene	mg/kg	5	0	5.11	102		72 - 128
n-Butylbenzene	mg/kg	2.5	0	2.88	115		68 - 144
n-Propylbenzene	mg/kg	2.5	0	2.6	104		73 - 137
o-Xylene	mg/kg	2.5	0	2.6	104		69 - 133
sec-Butylbenzene	mg/kg	2.5	0	2.73	109		72 - 141
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	0	2.66	106		69 - 126
tert-Butylbenzene	mg/kg	2.5	0	2.63	105		72 - 136
trans-1,2-Dichloroethene	mg/kg	2.5	0	2.65	106		67 - 134
trans-1,3-Dichloropropene	mg/kg	2.5	0	2.75	110		72 - 126
trans-1,4-Dichloro-2-butene	mg/kg	2.5	0	2.58	103		44 - 146

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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449157

SAMPLE NO : 913707

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	#	% RPD	#	QC. LIMITS REC	QC. LIMITS RPD
1,1,1,2-Tetrachloroethane	mg/kg	2.5	2.33	93		5		77 - 122	0 - 30
1,1,1-Trichloroethane	mg/kg	2.5	2.62	105		0		70 - 130	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.37	95		7		66 - 129	0 - 30
1,1,2-Trichloroethane	mg/kg	2.5	2.49	100		4		74 - 120	0 - 30
1,1-Dichloroethane	mg/kg	2.5	2.65	106		3		71 - 126	0 - 30
1,1-Dichloroethene	mg/kg	2.5	2.6	104		3		68 - 129	0 - 30
1,1-Dichloropropene	mg/kg	2.5	2.54	102		4		70 - 138	0 - 30
1,2,3-Trichloropropane	mg/kg	2.5	2.35	94		9		63 - 132	0 - 30
1,2,4-Trichlorobenzene	mg/kg	2.5	2.52	101		11		64 - 135	0 - 30
1,2,4-Trimethylbenzene	mg/kg	2.5	2.41	96		9		75 - 130	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.54	102		7		60 - 123	0 - 30
1,2-Dibromoethane	mg/kg	2.5	2.53	101		6		74 - 122	0 - 30
1,2-Dichlorobenzene	mg/kg	2.5	2.36	94		10		76 - 125	0 - 30
1,2-Dichloroethane	mg/kg	2.5	2.49	100		7		68 - 126	0 - 30
1,2-Dichloropropane	mg/kg	2.5	2.64	106		3		72 - 129	0 - 30
1,3,5-Trimethylbenzene	mg/kg	2.5	2.45	98		10		74 - 136	0 - 30
1,3-Dichlorobenzene	mg/kg	2.5	2.35	94		9		77 - 127	0 - 30
1,3-Dichloropropane	mg/kg	2.5	2.45	98		4		77 - 121	0 - 30
1,4-Dichlorobenzene	mg/kg	2.5	2.33	93		8		74 - 123	0 - 30
2,2-Dichloropropane	mg/kg	2.5	2.65	106		.8		74 - 129	0 - 30
2-Butanone	mg/kg	2.5	2.53	101		10		47 - 142	0 - 30
2-Chloroethylvinyl ether	mg/kg	2.5	2.81	112		13		42 - 134	0 - 30
2-Chlorotoluene	mg/kg	2.5	2.37	95		7		75 - 132	0 - 30
2-Hexanone	mg/kg	2.5	2.67	107		3		47 - 137	0 - 30
4-Chlorotoluene	mg/kg	2.5	2.38	95		9		74 - 133	0 - 30
4-Isopropyltoluene	mg/kg	2.5	2.44	98		12		71 - 136	0 - 30
4-Methyl-2-pentanone	mg/kg	2.5	2.77	111		2		52 - 136	0 - 30
Acetone	mg/kg	2.5	2.67	107		3		38 - 152	0 - 30
Acrolein	mg/kg	12.5	11.6	93		0		34 - 158	0 - 30
Acrylonitrile	mg/kg	12.5	12.7	102		.8		49 - 142	0 - 30
Benzene	mg/kg	2.5	2.52	101		2		73 - 128	0 - 30
Bromobenzene	mg/kg	2.5	2.23	89		8		73 - 124	0 - 30
Bromodichloromethane	mg/kg	2.5	2.68	107		1		74 - 126	0 - 30
Bromoform	mg/kg	2.5	2.6	104		6		67 - 122	0 - 30
Bromomethane	mg/kg	2.5	2.51	100		.8		48 - 139	0 - 30
Carbon disulfide	mg/kg	2.5	2.75	110		4		68 - 133	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: 0 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8260

Analytical Batch: 449157

Carbon tetrachloride	mg/kg	2.5	2.74	110		3		71 - 133	0 - 30
Chlorobenzene	mg/kg	2.5	2.45	98		2		75 - 121	0 - 30
Chloroethane	mg/kg	2.5	2.8	112		1		57 - 144	0 - 30
Chloroform	mg/kg	2.5	2.62	105		2		74 - 124	0 - 30
Chloromethane	mg/kg	2.5	2.88	115		8		61 - 130	0 - 30
Cyclohexane	mg/kg	2.5	2.54	102		8		70 - 136	0 - 30
Dibromochloromethane	mg/kg	2.5	2.65	106		0		74 - 122	0 - 30
Dibromomethane	mg/kg	2.5	2.51	100		7		72 - 125	0 - 30
Dichlorodifluoromethane	mg/kg	2.5	3.04	122		7		59 - 138	0 - 30
Ethylbenzene	mg/kg	2.5	2.43	97		2		74 - 130	0 - 30
Hexachlorobutadiene	mg/kg	2.5	2.42	97		18		71 - 140	0 - 30
Isopropylbenzene (Cumene)	mg/kg	2.5	2.59	104		5		74 - 125	0 - 30
Methyl Acetate	mg/kg	2.5	2.89	116		4		49 - 138	0 - 30
Methyl iodide	mg/kg	2.5	2.18	87		0		54 - 140	0 - 30
Methylcyclohexane	mg/kg	2.5	2.76	110		5		70 - 142	0 - 30
Methylene chloride	mg/kg	2.5	2.48	99		4		66 - 130	0 - 30
Naphthalene	mg/kg	2.5	2.73	109		6		54 - 132	0 - 30
Styrene	mg/kg	2.5	2.65	106		0		72 - 128	0 - 30
Tetrachloroethene	mg/kg	2.5	2.48	99		5		70 - 127	0 - 30
Toluene	mg/kg	2.5	2.47	99		.4		74 - 121	0 - 30
Trichloroethene	mg/kg	2.5	2.59	104		0		78 - 127	0 - 30
Trichlorofluoromethane	mg/kg	2.5	2.7	108		1		64 - 141	0 - 30
Trichlorotrifluoroethane	mg/kg	2.5	2.67	107		4		66 - 139	0 - 30
Vinyl acetate	mg/kg	2.5	1.61	64		13		53 - 140	0 - 30
Vinyl chloride	mg/kg	2.5	2.89	116		8		67 - 131	0 - 30
Xylene (total)	mg/kg	7.5	7.6	101		1		71 - 129	0 - 30
cis-1,2-Dichloroethene	mg/kg	2.5	2.58	103		5		72 - 130	0 - 30
cis-1,3-Dichloropropene	mg/kg	2.5	2.63	105		7		72 - 129	0 - 30
m,p-Xylene	mg/kg	5	5.1	102		.2		72 - 128	0 - 30
n-Butylbenzene	mg/kg	2.5	2.55	102		12		68 - 144	0 - 30
n-Propylbenzene	mg/kg	2.5	2.34	94		11		73 - 137	0 - 30
o-Xylene	mg/kg	2.5	2.5	100		4		69 - 133	0 - 30
sec-Butylbenzene	mg/kg	2.5	2.39	96		13		72 - 141	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	2.5	2.61	104		2		69 - 126	0 - 30
tert-Butylbenzene	mg/kg	2.5	2.36	94		11		72 - 136	0 - 30
trans-1,2-Dichloroethene	mg/kg	2.5	2.64	106		.4		67 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	2.5	2.5	100		10		72 - 126	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	2.5	2.21	88		15		44 - 146	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: 0 out of 148 outside limits

FORM III VOA-2

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB913048

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110116/a8963

Lab Sample ID: 913048 Date Extracted:

GC Column: RTX-VMS-30 ID: .25 (mm

Date Analyzed: 01/16/11 Time: 1033

Instrument ID: MSV11 Matrix: Water

Heated Purge: N

Level: LOW

Prep Batch: Analytical Batch: 449012

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS913049	913049	2110116/a8960L	01/16/11	0923
2.	LCSD913050	913050	2110116/a8961	01/16/11	0946
3.	EQUIPMENT BLANK	21101140514	2110116/a8966	01/16/11	1142
4.	TRIP BLANK 1	21101140515	2110116/a8967	01/16/11	1205
5.	TRIP BLANK 2	21101140516	2110116/a8968	01/16/11	1228

FORM IV VOA

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB913051

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110116/a8964

Lab Sample ID: 913051 Date Extracted:

GC Column: RTX-VMS-30 ID: .25 (mm

Date Analyzed: 01/16/11 Time: 1055

Instrument ID: MSV11 Matrix: Solid

Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 449013

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS913052	913052	2110116/a8960s	01/16/11	0923
2.	LCSD913053	913053	2110116/a8961s	01/16/11	0946
3.	T-15-F	21101140501	2110116/a8965	01/16/11	1118
4.	T-15-F MS	21101140502	2110116/a8972	01/16/11	1401
5.	T-15-F MSD	21101140503	2110116/a8973	01/16/11	1425
6.	T-21-F	21101140504	2110116/a8977	01/16/11	1603
7.	NC-0-0.3	21101140505	2110116/a8978	01/16/11	1627
8.	T-6-NORTH	21101140510	2110116/a8979	01/16/11	1651
9.	SC-W	21101140512	2110116/a8980	01/16/11	1715
10.	SC-E	21101140513	2110116/a8981	01/16/11	1739
11.	T-6-FLOOR	21101140507	2110116/a8982	01/16/11	1809
12.	T-6-EAST	21101140508	2110116/a8984	01/16/11	1857
13.	T-6-SOUTH	21101140509	2110116/a8985	01/16/11	1922
14.	BLIND DUP	21101140511	2110116/a8986	01/16/11	1946

FORM IV VOA

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB913705

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110118p/k9909

Lab Sample ID: 913705 Date Extracted:

GC Column: RTX-VMS-30 ID: .25 (mm

Date Analyzed: 01/18/11 Time: 1455

Instrument ID: MSV5 Matrix: Solid

Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 449157

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS913706	913706	2110118p/k9905	01/18/11	1319
2.	LCSD913707	913707	2110118p/k9906	01/18/11	1342
3.	T-2-WEST	21101140506	2110118p/k9911	01/18/11	1541

FORM IV VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110114/a8912B

BFB Injection Date: 01/14/11

Instrument ID: MSV11

BFB Injection Time: 0948

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 448996

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	19.72	(	)	
75	30.0 - 60.0% of mass 95	48.91	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.73	(	)	
173	Less than 2.0% of mass 174	.24	(.29	)	1
174	50.0 - 120.0% of mass 95	85.86	(	)	
175	5.0 - 9.0% of mass 174	6.7	(7.81	)	1
176	95.0 - 101.0% of mass 174	82.19	(95.73	)	1
177	5.0 - 9.0% of mass 176	5.39	(6.56	)	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.	V11STD001PPB	1208	2110114/a8914	01/14/11	1109
2.	V11STD005PPB	1201	2110114/a8915	01/14/11	1141
3.	V11STD010PPB	1206	2110114/a8916	01/14/11	1209
4.	V11STD020PPB	1202	2110114/a8917	01/14/11	1241
5.	V11STD050PPB	1203	2110114/a8918	01/14/11	1315
6.	V11STD100PPB	1204	2110114/a8919	01/14/11	1348
7.	V11STD200PPB	1205	2110114/a8920	01/14/11	1428
8.	V11ICV	1600	2110114/a8922	01/14/11	1530

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110115/a8930B

BFB Injection Date: 01/15/11

Instrument ID: MSV11

BFB Injection Time: 0816

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 449014

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	21.8	(	)	
75	30.0 - 60.0% of mass 95	48.58	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.81	(	)	
173	Less than 2.0% of mass 174	.49	(.56	)	1
174	50.0 - 120.0% of mass 95	88.74	(	)	
175	5.0 - 9.0% of mass 174	6.88	(7.76	)	1
176	95.0 - 101.0% of mass 174	86.84	(97.86	)	1
177	5.0 - 9.0% of mass 176	5.34	(6.16	)	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.	V11STD005PPB	1201	2110115/a8933	01/15/11	0957
2.	V11STD010PPB	1206	2110115/a8934	01/15/11	1021
3.	V11STD020PPB	1202	2110115/a8935	01/15/11	1045
4.	V11STD050PPB	1203	2110115/a8936	01/15/11	1109
5.	V11STD100PPB	1204	2110115/a8937	01/15/11	1132
6.	V11STD200PPB	1205	2110115/a8938	01/15/11	1155
7.	V11STD001PPB	1208	2110115/a8941	01/15/11	1306
8.	V11ICV	1600	2110115/a8944	01/15/11	1459

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110116/a8958

BFB Injection Date: 01/16/11

Instrument ID: MSV11

BFB Injection Time: 0811

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 449012

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*				
50	15.0 - 40.0% of mass 95	19.89	(		)	
75	30.0 - 60.0% of mass 95	50.58	(		)	
95	Base Peak, 100% relative abundance	100	(		)	
96	5.0 -9.0% of mass 95	6.63	(		)	
173	Less than 2.0% of mass 174	0	(	0	)	1
174	50.0 - 120.0% of mass 95	88.66	(		)	
175	5.0 - 9.0% of mass 174	7.54	(	8.51	)	1
176	95.0 - 101.0% of mass 174	87.03	(	98.17	)	1
177	5.0 - 9.0% of mass 176	5.51	(	6.34	)	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.	V11STD050APP9	1400	2110116/a8959	01/16/11	0859
2.	V11STD050	1400	2110116/a8960	01/16/11	0923
3.	LCS913049	913049	2110116/a8960L	01/16/11	0923
4.	LCSD913050	913050	2110116/a8961	01/16/11	0946
5.	MB913048	913048	2110116/a8963	01/16/11	1033
6.	EQUIPMENT BLANK	21101140514	2110116/a8966	01/16/11	1142
7.	TRIP BLANK 1	21101140515	2110116/a8967	01/16/11	1205
8.	TRIP BLANK 2	21101140516	2110116/a8968	01/16/11	1228

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110116/a8958s

BFB Injection Date: 01/16/11

Instrument ID: MSV11

BFB Injection Time: 0811

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 449013

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	19.89	(	)	
75	30.0 - 60.0% of mass 95	50.58	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.63	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	88.66	(	)	
175	5.0 - 9.0% of mass 174	7.54	(8.51	)	1
176	95.0 - 101.0% of mass 174	87.03	(98.17	)	1
177	5.0 - 9.0% of mass 176	5.51	(6.34	)	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.	V11STD050APP9	1400	2110116/a8959s	01/16/11	0859
2.	V11STD050	1400	2110116/a8960s	01/16/11	0923
3.	LCS913052	913052	2110116/a8960s	01/16/11	0923
4.	LCSD913053	913053	2110116/a8961s	01/16/11	0946
5.	MB913051	913051	2110116/a8964	01/16/11	1055
6.	T-15-F	21101140501	2110116/a8965	01/16/11	1118
7.	T-15-F MS	21101140502	2110116/a8972	01/16/11	1401
8.	T-15-F MSD	21101140503	2110116/a8973	01/16/11	1425
9.	T-21-F	21101140504	2110116/a8977	01/16/11	1603
10.	NC-0-0.3	21101140505	2110116/a8978	01/16/11	1627
11.	T-6-NORTH	21101140510	2110116/a8979	01/16/11	1651
12.	SC-W	21101140512	2110116/a8980	01/16/11	1715
13.	SC-E	21101140513	2110116/a8981	01/16/11	1739
14.	T-6-FLOOR	21101140507	2110116/a8982	01/16/11	1809
15.	T-6-EAST	21101140508	2110116/a8984	01/16/11	1857
16.	T-6-SOUTH	21101140509	2110116/a8985	01/16/11	1922

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Lab File ID: 2110116/a8958s BFB Injection Date: 01/16/11

Instrument ID: MSV11 BFB Injection Time: 0811

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 449013

17 .	BLIND DUP	21101140511	2110116/a8986	01/16/11	1946

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110107/k9745

BFB Injection Date: 01/07/11

Instrument ID: MSV5

BFB Injection Time: 1024

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 448597

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	20.1	(	)	
75	30.0 - 60.0% of mass 95	48.92	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.24	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	74.06	(	)	
175	5.0 - 9.0% of mass 174	5.84	(7.89	)	1
176	95.0 - 101.0% of mass 174	72.34	(97.69	)	1
177	5.0 - 9.0% of mass 176	4.32	(5.98	)	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.	V5APP9	1207	2110107/k9746	01/07/11	1114
2.	V5APP9	1201	2110107/k9747	01/07/11	1136
3.	V5APP9	1202	2110107/k9749	01/07/11	1221
4.	V5APP9	1203	2110107/k9750	01/07/11	1243
5.	V5APP9	1204	2110107/k9751	01/07/11	1306
6.	V5APP9	1205	2110107/k9752	01/07/11	1330
7.	V5APP9	1206	2110107/k9755	01/07/11	1542
8.	APP9ICV	1600	2110107/k9756	01/07/11	1604

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110107p/k9757

BFB Injection Date: 01/07/11

Instrument ID: MSV5

BFB Injection Time: 1702

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 448598

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	20.56	(	)	
75	30.0 - 60.0% of mass 95	47.75	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	5.95	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	70.28	(	)	
175	5.0 - 9.0% of mass 174	5.23	(7.45	)	1
176	95.0 - 101.0% of mass 174	67.79	(96.47	)	1
177	5.0 - 9.0% of mass 176	4.52	(6.68	)	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.	V5STD001	1207	2110107p/k9758	01/07/11	1808
2.	V5STD005	1201	2110107p/k9759	01/07/11	1830
3.	V5STD010	1206	2110107p/k9760	01/07/11	1854
4.	V5STD020	1202	2110107p/k9761	01/07/11	1916
5.	V5STD050	1203	2110107p/k9762	01/07/11	1938
6.	V5STD100	1204	2110107p/k9763	01/07/11	2001
7.	V5STD200	1205	2110107p/k9764	01/07/11	2023
8.	8260ICV	1600	2110107p/k9766	01/07/11	2107

FORM V VOA

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110118p/k9903

BFB Injection Date: 01/18/11

Instrument ID: MSV5

BFB Injection Time: 1233

GC Column: RTX-VMS-30 ID: .25 (mm

Analytical Batch: 449157

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	20.55	(	)	
75	30.0 - 60.0% of mass 95	49.57	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.7	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	66.86	(	)	
175	5.0 - 9.0% of mass 174	4.76	(7.12	)	1
176	95.0 - 101.0% of mass 174	64.27	(96.13	)	1
177	5.0 - 9.0% of mass 176	4.62	(7.2	)	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	2110118p/k9905	01/18/11	1319
2.	LCS913706	913706	2110118p/k9905	01/18/11	1319
3.	LCSD913707	913707	2110118p/k9906	01/18/11	1342
4.	APP9050	1400	2110118p/k9907	01/18/11	1409
5.	MB913705	913705	2110118p/k9909	01/18/11	1455
6.	T-2-WEST	21101140506	2110118p/k9911	01/18/11	1541

FORM V VOA

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Calibration File Names:
Level 1: /var/chem/msv11.i/2110115.s.b/a8933.d
Level 2: /var/chem/msv11.i/2110115.s.b/a8935.d
Level 3: /var/chem/msv11.i/2110115.s.b/a8936.d
Level 4: /var/chem/msv11.i/2110115.s.b/a8937.d
Level 5: /var/chem/msv11.i/2110115.s.b/a8938.d
Level 6: /var/chem/msv11.i/2110115.s.b/a8934.d
Level 8: /var/chem/msv11.i/2110115.s.b/a8941.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
	1 Level 8										
1 Dichlorodifluoromethane	6632	27120	75492	150506	320108	13376					
	2135						LINR	0.00409	0.27251		0.99984
2 Chloromethane ++	7252	28540	75385	150507	328124	14821					
	2266						LINR	0.00438	0.27788		0.99964
3 Vinyl Chloride +	0.36512	0.36486	0.39431	0.37207	0.36690	0.37712					
	0.49409						AVRG		0.39064		11.97194
4 1-3 Butadiene	7133	29449	69780	152023	279568	15201					
	2203						LINR	-0.04410	0.26232		0.99694

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
5 Bromomethane	6063	25166	70090	142408	299026	12322					
	2299						LINR	0.00385	0.25505		0.99988
6 Chloroethane	0.17453	0.18338	0.19858	0.20153	0.23264	0.17687					
	0.22168						AVRG		0.19846		11.23610
9 Trichlorofluoromethane	9289	37439	106022	214118	451394	18529					
	2913						LINR	0.00626	0.38506		0.99986
12 Ethyl Ether	0.21450	0.22668	0.23547	0.25489	0.25358	0.20294					
	0.28899						AVRG		0.23958		12.08100
7 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 <-
13 1,1-Dichloroethene +	5369	23008	64193	129632	277078	11291					
	1748						LINR	0.01176	0.23607		0.99986
21 Carbon Disulfide	16063	67943	188229	382797	838473	33280					
	7384						LINR	0.02059	0.71239		0.99953

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 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	
	1 Level 8											
19 1,1,2Trichlotrifluoroethane	5671	22682	66171	135080	282527	11407						
	1890						LINR	0.00908	0.24153		0.99981	
14 Methyl Iodide	0.26231	0.28128	0.31986	0.32299	0.32847	0.26604						
	0.37607						AVRG		0.30814		13.23544	
156 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
8 Acrolein	0.01153	0.01257	0.01344	0.01294	0.01349	0.01360						
	0.01222						AVRG		0.01283		5.98524	
17 Allyl chloride	0.26253	0.27219	0.28914	0.30097	0.30583	0.24939						
	0.35272						AVRG		0.29040		11.78337	
18 Methylene Chloride	0.35520	0.33235	0.34073	0.33185	0.33994	0.34634						
	0.47118						AVRG		0.35966		13.85566	
11 Acetone	0.11492	0.10603	0.10204	0.09501	0.09503	0.11537						
	+++++						AVRG		0.10473		8.69285	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 trans-1,2-Dichloroethene	7976	34787	96137	198781	428700	16818					
	2877						LINR	0.02150	0.36531		0.99979
20 Methyl Acetate	0.18210	0.18729	0.19358	0.18385	0.18873	0.19440					
	0.20476						AVRG		0.19067		4.04096
32 Hexane	11193	46032	144484	288600	605137	23216					
	3700						LINR	0.01466	0.51846		0.99956
25 MTBE	18500	81168	211589	427023	936547	38043					
	5070						LINR	0.01651	0.79495		0.99960
15 tert-Butyl Alcohol	338	2279	5743	13324	+++++	719					
	+++++						LINR	0.07609	0.02613		0.99788
10 Acetonitrile	0.03002	0.03451	0.03595	0.03711	0.03105	0.02689					
	0.03705						AVRG		0.03322		11.91000
28 Isopropyl Ether	0.79258	0.80344	0.76627	0.84913	0.84086	0.80895					
	1.05658						AVRG		0.84540		11.50611

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 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
	1 Level 8										
27 Chloroprene	0.31740	0.35696	0.37558	0.40068	0.40826	0.31689					
	0.39156						AVRG		0.36676		10.31359
26 1,1-Dichloroethane ++	11502	47672	128702	262335	563110	23764					
	3501						LINR	0.01045	0.47895		0.99987
16 Acrylonitrile	0.07367	0.08097	0.07852	0.07593	0.07785	0.08031					
	0.06845						AVRG		0.07653		5.68394
29 Vinyl Acetate	0.29855	0.31040	0.36573	0.35754	0.33874	0.31717					
	0.30915						AVRG		0.32818		7.92723
152 Ethyl Tert-butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 <-
23 cis-1,2-Dichloroethene	8572	35047	96174	197947	424658	17256					
	2828						LINR	0.01506	0.36159		0.99986
38 2,2-Dichloropropane	0.36358	0.36191	0.41672	0.40781	0.38787	0.35544					
	0.51282						AVRG		0.40088		13.65316

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
45 Cyclohexane	0.38330	0.40069	0.46899	0.46458	0.47101	0.39743						
	0.54792						AVRG		0.44770		12.96351	
36 Bromochloromethane	0.13202	0.13686	0.14473	0.14149	0.14168	0.13767						
	0.18694						AVRG		0.14591		12.71579	
37 Chloroform +	11589	47806	129435	261511	562980	23935						
	3434						LINR	0.00938	0.47855		0.99983	
46 Carbon Tetrachloride	0.29555	0.30694	0.33541	0.33513	0.33217	0.31059						
	0.42390						AVRG		0.33424		12.72028	
53 Ethyl Acetate	29132	141558	389852	863012	1468809	54243						
	8127						QUAD	0.37272	2.32735	0.22946	0.99759	
35 Tetrahydrofuran	11051	55377	145660	323623	+++++	21017						
	2955						LINR	0.20313	0.12474		0.99853	
31 sec-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
43 1,1,1-Trichloroethane	0.37634	0.38388	0.42014	0.41248	0.41418	0.37687					
	0.51137						AVRG		0.41361		11.35041
33 2-Butanone	3350	15101	37983	75062	156217	7370					
	1300						LINR	-0.02223	0.13263		0.99979
44 1,1-Dichloropropene	8566	35278	101699	208603	437528	17000					
	2755						LINR	0.01267	0.37417		0.99984
157 1,3-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 <-
54 2,2,4 Trimethylpentane	0.73202	0.76305	0.71070	0.79440	0.79709	0.75954					
	0.95421						AVRG		0.78729		10.14641
47 Benzene	27348	113415	307679	628022	1342076	55442					
	8434						LINR	0.01039	1.14249		0.99990
24 Propionitrile	0.03168	0.04026	0.04300	0.04676	0.03775	0.03132					
	0.03979						AVRG		0.03865		14.63160

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
30 Methylacrylonitrile	0.15169	0.17150	0.16244	0.18794	0.16077	0.14452						
	0.19060						AVRG		0.16707		10.41125	
42 1,2-Dichloroethane	0.35705	0.36025	0.37797	0.36110	0.37115	0.36211						
	0.47536						AVRG		0.38071		11.12663	
34 Isobutyl Alcohol	746	5218	15156	35222	+++++	1563						
	+++++						LINR	0.49587	0.01398		0.99820	<-
158 1,4-difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
M 80 Total 1,2-Dichloroethene	16548	69834	192311	396728	853358	34074						
	5705						LINR	0.03659	0.36345		0.99983	
154 Tert-butyl formate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
153 tert-amyl Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
End Cal Date : 15-JAN-2011 13:06
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
155 Tert-amyl alcohol	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
61 Methyl Cyclohexane	9561 3471	40693	124375	254927	534187	19475	LINR	0.02035	0.45805		0.99969	
57 Trichloroethene	6734 2224	29020	78877	162017	347708	14104	LINR	0.01519	0.29610		0.99987	
162 Heptane	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
159 1,2-difluorobenzene	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
M 161 Total Difluorobenzene	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
40 n-Butanol	348 +++++	3105	10214	24887	+++++	873	LINR	0.13029	0.04999		0.99643	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
55 Dibromomethane	0.15466	0.16232	0.16922	0.16432	0.16708	0.16269						
	0.20949						AVRG		0.16997		10.60351	
48 2-3 Dichloro-1-Proprene	9496	36960	90184	208968	426103	19289						
	2700						LINR	0.02104	0.39676		0.99929	
56 1,2-Dichloropropane +	6860	28447	76550	156912	332715	13469						
	1939						LINR	0.00893	0.28355		0.99995	
58 Bromodichloromethane	0.32872	0.35243	0.37088	0.37002	0.37805	0.34670						
	0.45045						AVRG		0.37103		10.48745	
52 Methyl methacrylate	4628	23320	65509	150163	272869	9050						
	1415						LINR	0.00997	0.26085		0.99533	
51 1,4- Dioxane	721	5216	15165	32502	+++++	1753						
	76.00000						LINR	1.45160	0.00255		0.99889	<-
160 Methyldisulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
60 1-Bromo-2-chloroethane	954	4422	12118	23929	51892	2226						
	119						LINR	0.01353	0.04415		0.99971	
62 2-Chloroethyl vinyl ether	330	2368	7638	15622	38805	1090						
	+++++						LINR	0.13305	0.03344		0.99520	<-
63 cis-1,3-Dichloropropene	0.39098	0.41084	0.46031	0.45456	0.46134	0.40299						
	0.56538						AVRG		0.44948		13.09657	
70 Toluene +	29535	119684	331362	680745	1444836	60101						
	9950						LINR	-0.01810	2.96048		0.99964	
49 2-Nitropropane	0.06362	0.07276	0.07390	0.09117	0.07769	0.06184						
	0.07807						AVRG		0.07415		13.28306	
78 Tetrachloroethene	0.52324	0.52189	0.58549	0.55629	0.53909	0.54724						
	0.73893						AVRG		0.57317		13.30029	
65 4-methyl-2-pentanone	5922	27698	75582	152031	324557	13332						
	1445						LINR	0.01141	0.27666		0.99988	

GCAL, Inc.

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Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 trans-1,3-Dichloropropene	0.36235	0.38743	0.42347	0.42249	0.43255	0.37306					
	0.52591						AVRG		0.41818		13.08258
67 1,1,2-Trichloroethane	0.62611	0.63091	0.65371	0.60513	0.59722	0.64654					
	0.85682						AVRG		0.65949		13.54886
64 Ethyl Methacrylate	4177	20854	62846	145078	276447	7995					
	1017						LINR	0.03395	0.69987		0.99654
72 Dibromochloromethane	0.63559	0.68591	0.71506	0.68645	0.68575	0.68588					
	0.90534						AVRG		0.71428		12.24478
71 1,3-Dichloropropane	1.07479	1.08744	1.13386	1.06172	1.04442	1.10017					
	1.52055						AVRG		1.14614		14.61941
59 1-Nitropropane	784	4079	10754	27917	48567	1494					
	58.00000						LINR	0.02796	0.04711		0.99103
74 1,2-Dibromoethane(EDB)	0.59617	0.63301	0.65649	0.61513	0.61187	0.63175					
	0.85828						AVRG		0.65753		13.77388

GCAL, Inc.

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Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
73 2-Hexanone	3625	18571	52944	105093	226773	9075						
	873						LINR	-0.00738	0.46537		0.99937	
M 87 1-3 Dichloropropene total	0.37667	0.39913	0.44189	0.43852	0.44694	0.38802						
	0.54564						AVRG		0.43383		13.08376	
151 3,3 Dimethyl-1-butanol	++++++	++++++	++++++	++++++	++++++	++++++						
	++++++						AVRG		0.000e+00		0.000e+00	<-
86 1-Chlorohexane	7609	32328	96166	190186	430461	15939						
	2758						LINR	0.03823	0.36579		0.99875	
85 Chlorobenzene ++	17751	75128	206145	420280	903947	36618						
	6025						LINR	-0.01346	1.84993		0.99972	
88 Ethylbenzene +	0.96876	0.98536	1.09078	1.03839	1.02889	0.97403						
	1.35365						AVRG		1.06284		12.73030	
82 1,1,1,2-Tetrachloroethane	5985	24828	69265	142187	305394	12246						
	1822						LINR	-0.00970	0.62571		0.99974	

GCAL, Inc.

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Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
69 3-ethyltoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
89 p,m-Xylene	21806 / 6849	95276	277953	578442	1253286	46394	LINR	0.01317	1.28708		0.99979	
75 2-ethyltoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
93 o-Xylene	9725 / 2914	44453	129828	271667	594355	20889	LINR	0.01522	1.22119		0.99982	
90 Bromoform ++	0.39999 / 0.48275	0.45621	0.49212	0.47137	0.48996	0.45500	AVRG		0.46392		6.87842	
91 Styrene	1.59569 / 2.17360	1.84701	2.13433	2.09260	2.18495	1.74610	AVRG		1.96775		12.00854	
96 Isopropylbenzene	24426 / 7760	110769	333207	702994	1547602	51923	LINR	0.02370	3.18263		0.99978	

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GCAL, Inc.

INITIAL CALIBRATION DATA

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 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
	1 Level 8										
98 Bromobenzene	10789	45976	129658	274449	619321	22113					
	3496						LINR	-0.00051	1.25746		0.99992
100 n-Propylbenzene	29253	126463	387176	822094	1824439	60888					
	9955						LINR	0.00545	3.72447		0.99976
M 120 TOTAL XYLENE	31531	139729	407781	850109	1847641	67283					
	9763						LINR	-0.04415	1.25675		0.99947
92 1,1,2,2-Tetrachloroethane++	7115	30607	84158	173184	374076	15403					
	2104						LINR	-0.03392	0.76044		0.99935
101 2-Chlorotoluene	18026	77122	226790	480444	1070747	37086					
	5967						LINR	0.00063	2.18072		0.99986
94 1,2,3-Trichloropropane	0.70399	0.72073	0.72851	0.67516	0.66804	0.73853					
	0.94696						AVRG		0.74027		12.81703
104 1,3,5-Trimethylbenzene	20271	90976	274001	576030	1296134	42160					
	6548						LINR	0.00889	2.64191		0.99981

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 14-JAN-2011 11:09
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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv11.i/2110115.s.b/8260bw11.m
Cal Date : 17-Jan-2011 11:24 rjo

Compound	5 Level 1 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
76 Cyclohexanone	2026	10959	34739	85067	+++++	3366						
	398						LINR	0.18691	0.22488		0.99164	
95 trans-1,4-Dichloro-2-Butene	1824	8503	24357	49668	112211	4090						
	426						LINR	-0.00454	0.22792		0.99970	
102 4-Chlorotoluene	18631	81136	243216	512022	1138602	38752						
	6334						LINR	0.00125	2.32119		0.99978	
105 tert-butylbenzene	10789	47197	144525	309726	697127	22519						
	3598						LINR	0.01489	1.42226		0.99984	
84 Pentachloroethane	0.42332	0.43643	0.43648	0.44831	0.46707	0.41428						
	0.51764						AVRG		0.44908		7.72334	
106 1,2,4-Trimethylbenzene	20494	93813	279347	598405	1344074	43496						
	6542						LINR	0.01254	2.74167		0.99988	
103 2-methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

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Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
107 sec-Butylbenzene	24040	107457	334927	710294	1588171	50544					
	8028						LINR	0.01266	3.24423		0.99976
112 Dicyclopentadiene	2.64696	2.82058	2.79119	3.17904	3.30961	2.80036					
	3.53678						AVRG		3.01207		10.97197
111 p-Isopropyltoluene	18977	87368	273105	582745	1313306	40564					
	6334						LINR	0.01930	2.68294		0.99979
108 1,3-Dichlorobenzene	12514	53226	154679	330522	751785	25685					
	4258						LINR	0.00973	1.52795		0.99988
110 1,4-Dichlorobenzene	13300	55483	162609	342276	776923	27151					
	4928						LINR	0.00382	1.57776		0.99985
114 n-Butylbenzene	16516	76611	247422	531501	1182211	34913					
	5995						LINR	0.02045	2.42246		0.99966
113 1,2-Dichlorobenzene	12069	51713	147983	313706	711889	24808					
	3893						LINR	0.00490	1.44596		0.99990

GCAL, Inc.

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Compound	5 Level 1 / 1 Level 8	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
81 1-3 Diethylbenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
79 1-4 Diethylbenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
77 1-2 Diethylbenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
115 1,2-Dibromo-3-Chloropropane	1159 / 402	5860	16676	34306	76582	2924	LINR	-0.00993	0.15564		0.99971	
99 Benzal Chloride	717 / 99.00000	4569	16268	46630	149225	1335	QUAD	0.20510	9.23124	-2.70903	0.99778	
118 Hexachlorobutadiene	2264 / 1024	8516	26156	55607	122736	4502	LINR	-0.00661	0.24984		0.99972	
116 1,2,4-Trichlorobenzene	5809 / 1806	25410	76850	162523	360293	11999	LINR	0.00376	0.73548		0.99976	

GCAL, Inc.

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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	
	1 Level 8											
117 Naphthalene	11430	59507	181183	391784	867431	25361						
	2219						LINR	0.02048	1.77932		0.99977	
119 1,2,3-Trichlorobenzene	4641	21199	59844	124973	274027	9999						
	1508						LINR	-0.01415	0.55808		0.99967	
M 121 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
$ 39 Dibromofluoromethane	0.24299	0.23833	0.23915	0.24011	0.24595	0.23817						
	0.24238						AVRG		0.24101		1.19430	
$ 41 1,2-Dichloroethane-d4	0.14839	0.14889	0.14773	0.14792	0.14921	0.14828						
	0.15059						AVRG		0.14872		0.65456	
$ 68 Toluene-d8	2.50576	2.48892	2.49139	2.40998	2.34254	2.54110						
	2.55249						AVRG		2.47603		3.01994	
$ 97 Bromofluorobenzene	0.71398	0.71888	0.73743	0.72751	0.72272	0.72648						
	0.68270						AVRG		0.71853		2.42608	

GCAL, Inc.

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Cal Date : 17-Jan-2011 11:24 rjo

Average %RSD Results.	
Calculated Average %RSD =	10.48843
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

Data File: /var/chem/msv11.i/2110114.s.b/a8922.d
Report Date: 17-Jan-2011 07:03

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2110114.s
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 1600
Client Smp ID: V11ICV
Level: LOW
Operator: RJU
Data Type: MS DATA
SampleType: LCS
SpikeList File: App9.spk
Quant Type: ISTD
Sublist File: APP9$.sub
Method File: /var/chem/msv11.i/2110114.s.b/8260bw11.m
Misc Info: MSV~20844~*1*RJU

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
4 1-3 Butadiene	50.0	38.9	77.86	60-140
12 Ethyl Ether	250	221	88.22	60-140
17 Allyl chloride	50.0	45.0	90.03	60-140
10 Acetonitrile	250	210	83.99	60-140
15 tert-Butyl Alcohol	50.0	32.4	64.73	60-140
28 Isopropyl Ether	50.0	44.4	88.78	60-140
31 sec-butanol	50.0	0.00	NT *	60-140
27 Chloroprene	50.0	45.5	91.01	60-140
53 Ethyl Acetate	250	162	64.93	60-140
24 Propionitrile	250	212	84.71	60-140
35 Tetrahydrofuran	250	164	65.44	60-140
30 Methylacrylonitrile	50.0	42.3	84.59	60-140
34 Isobutyl Alcohol	250	155	61.86	60-140
54 2,2,4 Trimethylpentane	50.0	41.0	82.07	60-140
40 n-Butanol	50.0	31.2	62.40	60-140
48 2-3 Dichloro-1-Proprene	50.0	47.3	94.52	60-140
52 Methyl methacrylate	50.0	40.1	80.14	60-140
51 1,4- Dioxane	1250	843	67.48	60-140
49 2-Nitropropane	50.0	40.6	81.12	60-140
64 Ethyl Methacrylate	50.0	41.9	83.80	60-140
59 1-Nitropropane	50.0	39.7	79.46	60-140
76 Cyclohexanone	100	61.1	61.07	60-140
84 Pentachloroethane	50.0	46.8	93.54	60-140
112 Dicyclopentadiene	50.0	45.6	91.20	60-140
99 Benzal Chloride	100	77.9	77.91	60-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	49.9	99.72	77-127

Data File: /var/chem/msv11.i/2110115.s.b/a8944.d
Report Date: 16-Jan-2011 09:52

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/msv11.i/2110115.s.b/8260bw11.m
Misc Info: MSV~20858~*1*RJU

Client SDG: 2110115.s
Fraction: VOA
Client Smp ID: V11ICV
Operator: RJU
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluoromethane	50.0	58.7	117.38	60-140
2 Chloromethane ++	50.0	53.6	107.22	70-130
3 Vinyl Chloride +	50.0	46.8	93.53	70-130
5 Bromomethane	50.0	51.4	102.78	60-140
6 Chloroethane	50.0	48.9	97.84	70-130
9 Trichlorofluoromethane	50.0	51.4	102.90	70-130
19 1,1,2Trichlotrifluoroethane	50.0	48.6	97.11	70-130
8 Acrolein	250	215	85.97	60-140
13 1,1-Dichloroethene +	50.0	48.4	96.80	70-130
11 Acetone	50.0	69.4	138.85	60-140
14 Methyl Iodide	50.0	54.9	109.73	70-130
21 Carbon Disulfide	50.0	52.4	104.88	70-130
18 Methylene Chloride	50.0	48.2	96.32	70-130
25 MTBE	50.0	51.4	102.89	70-130
22 trans-1,2-Dichloroethene	50.0	49.5	99.09	70-130
16 Acrylonitrile	250	264	105.70	60-140
26 1,1-Dichloroethane ++	50.0	50.0	100.02	70-130
29 Vinyl Acetate	50.0	52.8	105.70	70-130
38 2,2-Dichloropropane	50.0	49.4	98.83	70-130
23 cis-1,2-Dichloroethene	50.0	50.3	100.52	70-130
33 2-Butanone	50.0	60.4	120.80	60-140
36 Bromochloromethane	50.0	49.8	99.63	70-130
37 Chloroform +	50.0	49.8	99.60	70-130
45 Cyclohexane	50.0	48.5	96.93	70-130
43 1,1,1-Trichloroethane	50.0	48.1	96.14	70-130
46 Carbon Tetrachloride	50.0	48.8	97.68	70-130
44 1,1-Dichloropropene	50.0	48.8	97.61	70-130
47 Benzene	50.0	49.5	98.99	70-130
42 1,2-Dichloroethane	50.0	50.5	100.96	70-130
57 Trichloroethene	50.0	48.8	97.63	70-130
61 Methyl Cyclohexane	50.0	50.6	101.21	70-130
56 1,2-Dichloropropane +	50.0	50.4	100.78	70-130
55 Dibromomethane	50.0	50.8	101.55	70-130

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
58 Bromodichloromethane	50.0	49.7	99.38	70-130
62 2-Chloroethyl vinyl ether	50.0	48.1	96.20	60-140
63 cis-1,3-Dichloropropene	50.0	49.7	99.46	70-130
65 4-methyl-2-pentanone	50.0	48.9	97.80	60-140
70 Toluene +	50.0	50.2	100.32	70-130
66 trans-1,3-Dichloropropene	50.0	51.9	103.74	70-130
67 1,1,2-Trichloroethane	50.0	47.9	95.76	70-130
78 Tetrachloroethene	50.0	48.3	96.52	70-130
71 1,3-Dichloropropane	50.0	48.8	97.70	70-130
73 2-Hexanone	50.0	56.2	112.45	60-140
72 Dibromochloromethane	50.0	48.2	96.38	70-130
74 1,2-Dibromoethane(EDB)	50.0	48.2	96.33	70-130
85 Chlorobenzene ++	50.0	50.8	101.52	70-130
88 Ethylbenzene +	50.0	48.2	96.33	70-130
82 1,1,1,2-Tetrachloroethane	50.0	50.8	101.60	70-130
89 p,m-Xylene	100	98.5	98.54	70-130
93 o-Xylene	50.0	50.0	99.98	70-130
91 Styrene	50.0	51.8	103.63	70-130
90 Bromoform ++	50.0	51.3	102.66	70-130
96 Isopropylbenzene	50.0	48.4	96.78	70-130
98 Bromobenzene	50.0	50.6	101.28	70-130
92 1,1,2,2-Tetrachloroethane++	50.0	51.4	102.74	70-130
100 n-Propylbenzene	50.0	50.3	100.67	70-130
94 1,2,3-Trichloropropane	50.0	47.3	94.62	70-130
95 trans-1,4-Dichloro-2-Butene	50.0	53.2	106.40	60-140
101 2-Chlorotoluene	50.0	50.3	100.60	70-130
104 1,3,5-Trimethylbenzene	50.0	50.3	100.66	70-130
102 4-Chlorotoluene	50.0	50.0	100.09	70-130
105 tert-butylbenzene	50.0	49.5	98.96	70-130
106 1,2,4-Trimethylbenzene	50.0	51.0	102.01	70-130
107 sec-Butylbenzene	50.0	50.3	100.60	70-130
108 1,3-Dichlorobenzene	50.0	50.1	100.12	70-130
111 p-Isopropyltoluene	50.0	52.4	104.81	70-130
110 1,4-Dichlorobenzene	50.0	50.5	100.96	70-130
114 n-Butylbenzene	50.0	51.0	101.92	70-130
113 1,2-Dichlorobenzene	50.0	49.8	99.53	70-130
115 1,2-Dibromo-3-Chloropropane	50.0	50.2	100.45	60-140
116 1,2,4-Trichlorobenzene	50.0	55.7	111.45	70-130
118 Hexachlorobutadiene	50.0	54.9	109.81	70-130
117 Naphthalene	50.0	50.8	101.64	70-130
119 1,2,3-Trichlorobenzene	50.0	55.0	110.09	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	50.4	100.89	77-127

Data File: /var/chem/msv11.i/2110116.s.b/a8959.d
Report Date: 16-Jan-2011 09:58

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv11.i
Lab File ID: a8959.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

Injection Date: 16-JAN-2011 08:59
Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011
Init. Cal. Times: 11:09 13:06
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 1-3 Butadiene	55.51012	50.00000	0.30280	0.010	11.02024	40.00000	Linear
12 Ethyl Ether	0.23958	0.23233	0.23233	0.010	-3.02595	40.00000	Averaged
17 Allyl chloride	0.29040	0.29125	0.29125	0.010	0.29431	40.00000	Averaged
15 tert-Butyl Alcohol	45.83782	50.00000	0.02196	0.010	-8.32436	40.00000	Linear
10 Acetonitrile	0.03322	0.03320	0.03320	0.010	-0.06665	40.00000	Averaged
28 Isopropyl Ether	0.84540	0.83323	0.83323	0.010	-1.43920	40.00000	Averaged
27 Chloroprene	0.36676	0.38048	0.38048	0.010	3.74008	40.00000	Averaged
31 sec-butanol	++++	0.21068	0.21068	0.010	++++	40.00000	Averaged <NT
53 Ethyl Acetate	206	250	0.28241	0.010	-17.66793	40.00000	Quadratic
35 Tetrahydrofuran	225	250	0.10729	0.010	-9.92414	40.00000	Linear
54 2,2,4 Trimethylpentane	0.78729	0.78622	0.78622	0.010	-0.13576	40.00000	Averaged
24 Propionitrile	0.03865	0.03968	0.03968	0.010	2.65152	40.00000	Averaged
30 Methylacrylonitrile	0.16707	0.16597	0.16597	0.010	-0.65440	40.00000	Averaged
34 Isobutyl Alcohol	222	250	0.01115	0.010	-11.31290	40.00000	Linear
40 n-Butanol	44.29366	50.00000	0.03777	0.010	-11.41268	40.00000	Linear
48 2-3 Dichloro-1-Proprene	50.16647	50.00000	0.38974	0.010	0.33294	30.00000	Linear
52 Methyl methacrylate	48.45581	50.00000	0.25019	0.010	-3.08838	40.00000	Linear
51 1,4- Dioxane	1146	1250	0.00219	0.010	-8.30536	40.00000	Linear <-
49 2-Nitropropane	0.07415	0.07719	0.07719	0.010	4.09757	40.00000	Averaged
64 Ethyl Methacrylate	47.25174	50.00000	0.63764	0.010	-5.49651	40.00000	Linear
59 1-Nitropropane	49.39889	50.00000	0.04523	0.010	-1.20222	40.00000	Linear
76 Cyclohexanone	79.45419	100	0.15766	0.010	-20.54581	40.00000	Linear
84 Pentachloroethane	0.44908	0.43308	0.43308	0.010	-3.56159	40.00000	Averaged
112 Dicyclopentadiene	3.01207	3.04347	3.04347	0.010	1.04233	40.00000	Averaged
99 Benzal Chloride	101	100	0.10491	0.010	1.13409	40.00000	Quadratic

Data File: /var/chem/msv11.i/2110116.s.b/a8960.d
Report Date: 16-Jan-2011 09:58

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv11.i
Lab File ID: a8960.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

Injection Date: 16-JAN-2011 09:23
Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011
Init. Cal. Times: 11:09 13:06
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	44.13244	50.00000	0.23942	0.010	-11.73512	40.00000	Linear
2 Chloromethane ++	44.53628	50.00000	0.24629	0.100	-10.92744	30.00000	Linear
3 Vinyl Chloride +	0.39064	0.35754	0.35754	0.010	-8.47177	20.00000	Averaged
5 Bromomethane	45.44299	50.00000	0.23083	0.010	-9.11402	40.00000	Linear
6 Chloroethane	0.19846	0.18568	0.18568	0.010	-6.43782	30.00000	Averaged
9 Trichlorofluoromethane	46.31518	50.00000	0.35428	0.010	-7.36965	30.00000	Linear
13 1,1-Dichloroethene +	46.42956	50.00000	0.21643	0.010	-7.14088	20.00000	Linear
21 Carbon Disulfide	45.30857	50.00000	0.63087	0.010	-9.38285	30.00000	Linear
19 1,1,2Trichlotrifluoroethane	47.29173	50.00000	0.22626	0.010	-5.41653	30.00000	Linear
14 Methyl Iodide	0.30814	0.28971	0.28971	0.010	-5.98149	30.00000	Averaged
8 Acrolein	0.01283	0.01594	0.01594	0.010	24.22432	40.00000	Averaged
18 Methylene Chloride	0.35966	0.31829	0.31829	0.010	-11.50132	30.00000	Averaged
11 Acetone	0.10473	0.11918	0.11918	0.010	13.79150	40.00000	Averaged
22 trans-1,2-Dichloroethene	45.84145	50.00000	0.32707	0.010	-8.31710	30.00000	Linear
20 Methyl Acetate	0.19067	0.19657	0.19657	0.010	3.09376	30.00000	Averaged
32 Hexane	48.04499	50.00000	0.49058	0.010	-3.91003	30.00000	Linear
25 MTBE	47.41446	50.00000	0.74072	0.010	-5.17108	30.00000	Linear
26 1,1-Dichloroethane ++	47.23153	50.00000	0.44742	0.100	-5.53693	30.00000	Linear
16 Acrylonitrile	0.07653	0.07889	0.07889	0.010	3.08244	40.00000	Averaged
29 Vinyl Acetate	0.32818	0.35357	0.35357	0.010	7.73441	40.00000	Averaged
23 cis-1,2-Dichloroethene	46.50745	50.00000	0.33089	0.010	-6.98509	30.00000	Linear
38 2,2-Dichloropropane	0.40088	0.37956	0.37956	0.010	-5.31845	30.00000	Averaged
36 Bromochloromethane	0.14591	0.13394	0.13394	0.010	-8.20310	30.00000	Averaged
45 Cyclohexane	0.44770	0.43342	0.43342	0.010	-3.19049	30.00000	Averaged
37 Chloroform +	47.32555	50.00000	0.44847	0.010	-5.34891	20.00000	Linear
46 Carbon Tetrachloride	0.33424	0.31463	0.31463	0.010	-5.86808	30.00000	Averaged
$ 39 Dibromofluoromethane	0.24071	0.23985	0.23985	0.010	-0.35640	30.00000	Averaged
43 1,1,1-Trichloroethane	0.41361	0.38300	0.38300	0.010	-7.39958	30.00000	Averaged
33 2-Butanone	55.97830	50.00000	0.15144	0.010	11.95661	40.00000	Linear
44 1,1-Dichloropropene	46.94601	50.00000	0.34658	0.010	-6.10798	30.00000	Linear
47 Benzene	46.65854	50.00000	1.05427	0.010	-6.68292	30.00000	Linear
$ 41 1,2-Dichloroethane-d4	0.15419	0.14776	0.14776	0.010	-4.16793	30.00000	Averaged
42 1,2-Dichloroethane	0.38071	0.35438	0.35438	0.010	-6.91701	30.00000	Averaged
61 Methyl Cyclohexane	47.33421	50.00000	0.42431	0.010	-5.33158	30.00000	Linear
57 Trichloroethene	45.65246	50.00000	0.26586	0.010	-8.69509	30.00000	Linear

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv11.i
Lab File ID: a8960.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

Injection Date: 16-JAN-2011 09:23
Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011
Init. Cal. Times: 11:09 13:06
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
55 Dibromomethane	0.16997	0.15794	0.15794	0.010	-7.07593	30.00000	Averaged
56 1,2-Dichloropropane +	46.98319	50.00000	0.26391	0.010	-6.03361	20.00000	Linear
58 Bromodichloromethane	0.37103	0.35145	0.35145	0.010	-5.27794	30.00000	Averaged
M 80 Total 1,2-Dichloroethene	92.34890	100	0.32898	0.010	-7.65110	30.00000	Linear
60 1-Bromo-2-chloroethane	47.66821	50.00000	0.04150	0.001	-4.66357	30.00000	Linear
62 2-Chloroethyl vinyl ether	42.17605	50.00000	0.02376	0.010	-15.64791	40.00000	Linear
63 cis-1,3-Dichloropropene	0.44948	0.43032	0.43032	0.010	-4.26415	30.00000	Averaged
$ 68 Toluene-d8	2.54436	2.46702	2.46702	0.010	-3.03987	30.00000	Averaged
70 Toluene +	48.40308	50.00000	2.91952	0.010	-3.19385	20.00000	Linear
65 4-methyl-2-pentanone	52.85553	50.00000	0.28930	0.010	5.71105	40.00000	Linear
78 Tetrachloroethene	0.57317	0.53954	0.53954	0.010	-5.86643	30.00000	Averaged
66 trans-1,3-Dichloropropene	0.41818	0.40342	0.40342	0.010	-3.53014	30.00000	Averaged
67 1,1,2-Trichloroethane	0.65949	0.61840	0.61840	0.010	-6.23166	30.00000	Averaged
72 Dibromochloromethane	0.71428	0.69628	0.69628	0.010	-2.52018	30.00000	Averaged
71 1,3-Dichloropropane	1.14614	1.07263	1.07263	0.010	-6.41324	30.00000	Averaged
74 1,2-Dibromoethane(EDB)	0.65753	0.61516	0.61516	0.010	-6.44369	30.00000	Averaged
73 2-Hexanone	60.53416	50.00000	0.56685	0.010	21.06833	40.00000	Linear
86 1-Chlorohexane	45.27241	50.00000	0.31722	0.010	-9.45518	30.00000	Linear
85 Chlorobenzene ++	48.78353	50.00000	1.82982	0.300	-2.43295	30.00000	Linear
88 Ethylbenzene +	1.06284	1.00941	1.00941	0.010	-5.02668	20.00000	Averaged
82 1,1,1,2-Tetrachloroethane	48.92515	50.00000	0.61833	0.010	-2.14970	30.00000	Linear
89 p,m-Xylene	95.80231	100	1.22458	0.010	-4.19769	30.00000	Linear
M 87 1-3 Dichloropropene total	0.43383	0.41687	0.41687	0.010	-3.91039	30.00000	Averaged
93 o-Xylene	47.52789	50.00000	1.14222	0.010	-4.94422	30.00000	Linear
91 Styrene	1.96775	1.97896	1.97896	0.010	0.56943	30.00000	Averaged
90 Bromoform ++	0.46392	0.49726	0.49726	0.100	7.18722	30.00000	Averaged
96 Isopropylbenzene	47.82468	50.00000	2.96875	0.010	-4.35064	30.00000	Linear
$ 97 Bromofluorobenzene	0.70818	0.72451	0.72451	0.010	2.30475	30.00000	Averaged
98 Bromobenzene	48.58200	50.00000	1.22244	0.010	-2.83600	30.00000	Linear
100 n-Propylbenzene	48.50483	50.00000	3.59279	0.010	-2.99033	30.00000	Linear
92 1,1,2,2-Tetrachloroethane++	57.92332	50.00000	0.90674	0.300	15.84664	30.00000	Linear
101 2-Chlorotoluene	49.25300	50.00000	2.14676	0.010	-1.49399	30.00000	Linear
94 1,2,3-Trichloropropane	0.74027	0.74070	0.74070	0.010	0.05822	30.00000	Averaged
104 1,3,5-Trimethylbenzene	48.46722	50.00000	2.53744	0.010	-3.06556	30.00000	Linear
95 trans-1,4-Dichloro-2-Butene	55.23954	50.00000	0.25284	0.010	10.47909	40.00000	Linear

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv11.i Injection Date: 16-JAN-2011 09:23
Lab File ID: a8960.d Init. Cal. Date(s): 14-JAN-2011 15-JAN-2011
Analysis Type: WATER Init. Cal. Times: 11:09 13:06
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv11.i/2110116.s.b/8260bw11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
102 4-Chlorotoluene	48.76687	50.00000	2.26106	0.010	-2.46626	30.00000	Linear
105 tert-butylbenzene	47.81706	50.00000	1.33898	0.010	-4.36588	30.00000	Linear
106 1,2,4-Trimethylbenzene	48.30595	50.00000	2.61440	0.010	-3.38809	30.00000	Linear
107 sec-Butylbenzene	48.54669	50.00000	3.10886	0.010	-2.90663	30.00000	Linear
111 p-Isopropyltoluene	47.92295	50.00000	2.51972	0.010	-4.15409	30.00000	Linear
108 1,3-Dichlorobenzene	49.05696	50.00000	1.48427	0.010	-1.88608	30.00000	Linear
110 1,4-Dichlorobenzene	49.24021	50.00000	1.54775	0.010	-1.51958	30.00000	Linear
114 n-Butylbenzene	48.18701	50.00000	2.28508	0.010	-3.62598	30.00000	Linear
113 1,2-Dichlorobenzene	49.89651	50.00000	1.43588	0.010	-0.20698	30.00000	Linear
M 120 TOTAL XYLENE	143	150	1.25398	0.100	-4.44653	30.00000	Linear
115 1,2-Dibromo-3-Chloropropane	55.97041	50.00000	0.17577	0.010	11.94082	40.00000	Linear
118 Hexachlorobutadiene	47.84979	50.00000	0.24075	0.010	-4.30042	30.00000	Linear
116 1,2,4-Trichlorobenzene	50.18815	50.00000	0.73548	0.010	0.37631	30.00000	Linear
117 Naphthalene	51.68520	50.00000	1.80285	0.010	3.37041	30.00000	Linear
119 1,2,3-Trichlorobenzene	52.54682	50.00000	0.59440	0.010	5.09365	30.00000	Linear

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Calibration File Names:
Level 1: /var/chem/msv5.i/2110107p.s.b/k9759.d
Level 2: /var/chem/msv5.i/2110107p.s.b/k9761.d
Level 3: /var/chem/msv5.i/2110107p.s.b/k9762.d
Level 4: /var/chem/msv5.i/2110107p.s.b/k9763.d
Level 5: /var/chem/msv5.i/2110107p.s.b/k9764.d
Level 6: /var/chem/msv5.i/2110107p.s.b/k9760.d
Level 7: /var/chem/msv5.i/2110107p.s.b/k9758.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
	1 Level 7										
1 Dichlorodifluoromethane	0.18213	0.18215	0.18824	0.18705	0.17952	0.15569					
	0.21335						AVRG		0.18402		9.19371
2 Chloromethane ++	0.16655	0.15207	0.16114	0.16824	0.18074	0.14542					
	0.18510						AVRG		0.16561		8.63632
3 Vinyl Chloride +	0.18714	0.17739	0.18677	0.19290	0.19694	0.16628					
	0.20164						AVRG		0.18701		6.43838
4 1-3 Butadiene	0.17650	0.16735	0.14966	0.16469	0.16592	0.19302					
	+++++						AVRG		0.16952		8.49331

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
5 Bromomethane	0.08290	0.08325	0.08435	0.09416	0.10125	0.07734						
	0.10832						AVRG		0.09022		12.53249	
8 Chloroethane	10252	38322	98413	194104	384300	21292						
	3016						LINR	-0.02138	0.09061		0.99981	
9 Trichlorofluoromethane	0.24515	0.23400	0.24334	0.23304	0.23177	0.20877						
	0.27355						AVRG		0.23852		8.16413	
28 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
10 Ethyl Ether	0.11804	0.10653	0.10162	0.10317	0.10023	0.09822						
	0.09838						AVRG		0.10374		6.68560	
160 Ethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
11 1,1-Dichloroethene +	0.12894	0.12542	0.13148	0.12551	0.13167	0.11487						
	0.15010						AVRG		0.12971		8.20527	

GCAL, Inc.

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Start Cal Date : 07-JAN-2011 11:14
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Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 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
	1 Level 7										
12 Carbon Disulfide	49367	178308	434865	927322	1867243	85501					
	14109						LINR	0.00780	0.44123		0.99984
13 1,1,2Trichlotrifluoroethane	0.13414	0.14195	0.13944	0.13780	0.13307	0.12795					
	0.15712						AVRG		0.13878		6.70288
14 Methyl Iodide	7314	38493	125805	298908	622846	16380					
	699						LINR	0.09612	0.14977		0.99846
15 Acrolein	0.01936	0.01960	0.02027	0.02058	0.02068	0.01967					
	+++++						AVRG		0.02003		2.77599
16 Allyl chloride	0.15946	0.13949	0.12684	0.13741	0.12923	0.13951					
	0.18382						AVRG		0.14511		13.82033
17 Methylene Chloride	0.20386	0.20276	0.19357	0.19148	0.18840	0.19041					
	0.24097						AVRG		0.20164		9.10549
18 Acetone	0.14082	0.12015	0.10709	0.10867	0.10353	0.13700					
	+++++						AVRG		0.11954		13.42363

GCAL, Inc.

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Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
19 trans-1,2-Dichloroethene	0.21121	0.20017	0.21061	0.20508	0.20267	0.18840					
	0.26763						AVRG		0.21225		12.05581
20 Methyl Acetate	0.21196	0.22316	0.20887	0.18980	0.18838	0.21908					
	+++++						AVRG		0.20687		7.09687
21 Hexane	0.17270	0.14172	0.14745	0.14989	0.14692	0.12447					
	+++++						AVRG		0.14719		10.54326
22 MTBE	0.45339	0.44413	0.45379	0.44744	0.43010	0.41539					
	0.56013						AVRG		0.45777		10.31133
23 tert-Butyl Alcohol	0.02411	0.02826	0.02663	0.02428	0.02393	0.02585					
	+++++						AVRG		0.02551		6.76259
24 Acetonitrile	0.03745	0.03667	0.03238	0.03173	0.03280	0.03693					
	+++++						AVRG		0.03466		7.54418
25 Isopropyl Ether	0.58455	0.59864	0.56153	0.60192	0.59947	0.59564					
	0.64632						AVRG		0.59830		4.24412

GCAL, Inc.

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Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
26 Chloroprene	0.22145	0.21048	0.20443	0.21511	0.21784	0.21774						
	0.28334						AVRG		0.22434		11.86180	
27 1,1-Dichloroethane ++	0.28306	0.30126	0.29772	0.29676	0.30246	0.30360						
	0.33416						AVRG		0.30272		5.11496	
29 Acrylonitrile	0.09118	0.08983	0.09378	0.09558	0.09674	0.08846						
	0.09751						AVRG		0.09330		3.78952	
161 Ethyl-tert butyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
30 Vinyl Acetate	0.38294	0.37902	0.37621	0.38821	0.39929	0.35737						
	0.34792						AVRG		0.37585		4.71466	
M 61 Total 1,2-Dichloroethene	0.22545	0.21939	0.22454	0.22547	0.22112	0.21079						
	0.27490						AVRG		0.22881		9.16269	
31 cis-1,2-Dichloroethene	0.23969	0.23862	0.23848	0.24587	0.23957	0.23317						
	0.28216						AVRG		0.24537		6.78238	

GCAL, Inc.

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Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
32 2,2-Dichloropropane	0.27516	0.26128	0.26751	0.26402	0.25365	0.25833					
	0.34282						AVRG		0.27468		11.21833
34 Cyclohexane	0.26245	0.24785	0.25640	0.25827	0.26075	0.22756					
	0.30727						AVRG		0.26008		9.22934
33 Bromochloromethane	0.09191	0.08910	0.08897	0.08393	0.08048	0.09348					
	0.09068						AVRG		0.08836		5.20317
35 Chloroform +	0.33850	0.32115	0.31744	0.31477	0.31648	0.31730					
	0.31917						AVRG		0.32069		2.52809
36 Carbon Tetrachloride	0.22895	0.21609	0.21750	0.21535	0.21490	0.19101					
	0.21832						AVRG		0.21459		5.33913
37 Ethyl Acetate	0.32030	0.32947	0.32449	0.32206	0.32061	0.29913					
	0.25744						AVRG		0.31050		8.13903
38 Tetrahydrofuran	0.11891	0.12099	0.11940	0.11860	0.11488	0.10933					
	0.09710						AVRG		0.11417		7.42461

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GCAL, Inc.

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 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	
	1 Level 7											
40 1,1,1-Trichloroethane	0.27233	0.27410	0.26834	0.26657	0.26001	0.25044						
	0.31684						AVRG		0.27266		7.72783	
41 sec-Butanol	0.03000	0.02758	0.02893	0.02830	0.02883	0.03629						
	+++++						AVRG		0.02999		10.63226	
159 Heptane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
42 2-Butanone	0.18332	0.18317	0.18615	0.18224	0.18842	0.18800						
	0.25140						AVRG		0.19467		12.91101	
43 1,1-Dichloropropene	0.24724	0.24896	0.24894	0.25655	0.25105	0.23567						
	0.28184						AVRG		0.25289		5.62626	
44 2-2-4 trimethyl Pentane	57497	170202	404981	833005	1547297	131928						
	+++++						LINR	-0.06525	0.36160		0.99869	
162 tert-butyl formate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

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Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
45 Benzene	0.69934	0.69182	0.67001	0.68875	0.68970	0.71245						
	0.83929						AVRG		0.71305		8.00816	
46 Propionitrile	0.04468	0.04815	0.04733	0.04783	0.04612	0.04885						
	0.03313						AVRG		0.04516		12.13737	
47 Methacrylonitrile	0.19429	0.19534	0.19753	0.20452	0.18953	0.20179						
	0.27457						AVRG		0.20822		14.24787	
163 tert amyl methyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
49 1,2-Dichloroethane	0.29557	0.27625	0.26784	0.26978	0.26215	0.24877						
	0.31566						AVRG		0.27657		8.07387	
50 Isobutyl Alcohol	0.01620	0.01472	0.01653	0.01620	0.01596	0.01673						
	+++++						AVRG		0.01606		4.41068	
164 tert amyl alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

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GCAL, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
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Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 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	
	1 Level 7											
53 Methyl Cyclohexane	0.20932	0.21324	0.22447	0.21610	0.22195	0.18591						
	0.25573						AVRG		0.21810		9.56744	
54 Trichloroethene	0.16533	0.16995	0.16489	0.16468	0.16815	0.15200						
	0.19390						AVRG		0.16841		7.49901	
55 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
56 n-Butanol	0.01089	0.01165	0.01202	0.01209	0.01143	0.01116						
	0.00885						AVRG		0.01116		9.90218	<-
57 Dibromomethane	0.13527	0.13582	0.13043	0.13394	0.12767	0.12863						
	0.16496						AVRG		0.13667		9.42274	
58 2-3 Dichloro-1-Proprene	0.28623	0.30092	0.28282	0.28773	0.29321	0.28851						
	0.30252						AVRG		0.29171		2.57791	
59 1,2-Dichloropropane +	0.17410	0.18784	0.18092	0.18619	0.18984	0.17653						
	0.20105						AVRG		0.18521		4.91565	

GCAL, Inc.

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Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
60 Bromodichloromethane	0.25853	0.25689	0.25729	0.26972	0.26721	0.25443						
	0.25081						AVRG		0.25927		2.62217	
62 Methyl methacrylate	0.17686	0.18825	0.20009	0.18648	0.19072	0.18513						
	+++++						AVRG		0.18792		4.04126	
68 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
63 1,4- Dioxane	0.00232	0.00285	0.00262	0.00284	0.00285	0.00289						
	+++++						AVRG		0.00273		8.06539	
88 Methyl Disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
64 1-Bromo-2-chloroethane	0.28497	0.29836	0.28543	0.30052	0.28717	0.27698						
	0.32559						AVRG		0.29415		5.46561	
65 2-Chloroethyl vinyl ether	0.15151	0.17983	0.16519	0.18072	0.18436	0.15534						
	0.14650						AVRG		0.16621		9.35043	

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GCAL, Inc.

INITIAL CALIBRATION DATA

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Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 cis-1,3-Dichloropropene	0.32915	0.32464	0.32403	0.34278	0.33732	0.30590					
	0.29506						AVRG		0.32270		5.23186
69 Toluene +	1.62929	1.61655	1.54359	1.64003	1.61117	1.49916					
	1.90516						AVRG		1.63499		7.92601
M 6 1-3 Dichloropropene-Total	0.31828	0.32151	0.32659	0.33701	0.33431	0.30195					
	0.31393						AVRG		0.32194		3.75971
70 2-nitropropane	0.07803	0.08255	0.09337	0.09326	0.09493	0.08165					
	0.06954						AVRG		0.08476		11.20654
71 4-methyl-2-pentanone	0.32255	0.34849	0.35361	0.35047	0.35434	0.30936					
	0.39736						AVRG		0.34803		8.00359
72 Tetrachloroethene	0.24256	0.27033	0.26280	0.26815	0.25558	0.25100					
	0.26958						AVRG		0.26000		4.08665
73 trans-1,3-Dichloropropene	0.67307	0.68432	0.68318	0.71126	0.69334	0.64824					
	0.74403						AVRG		0.69106		4.37479

GCAL, Inc.

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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
	1 Level 7										
74 Ethyl Methacrylate	0.57993	0.53014	0.55351	0.54948	0.55699	0.48239					
	0.45914						AVRG		0.53023		8.23571
75 1,1,2-Trichloroethane	0.37680	0.38011	0.36565	0.39123	0.38204	0.38129					
	0.40345						AVRG		0.38294		3.08455
76 Dibromochloromethane	0.42485	0.42532	0.42815	0.45616	0.44729	0.41457					
	0.43055						AVRG		0.43241		3.31489
M 7 Total Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+00		0.000e+00 <-
77 1,3-Dichloropropane	0.82225	0.75373	0.73701	0.79763	0.77213	0.73602					
	0.79966						AVRG		0.77406		4.33954
78 1-nitropropane	0.05167	0.06059	0.06210	0.05893	0.06282	0.04558					
	+++++						AVRG		0.05695		12.04912
79 1,2-Dibromoethane(EDB)	0.41657	0.41081	0.40659	0.44021	0.43400	0.39866					
	0.39234						AVRG		0.41417		4.25439

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GCAL, Inc.

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Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
81 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
165 3,3 dimethyl 1-butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
80 2-Hexanone	0.49686	0.55789	0.54164	0.57324	0.58243	0.51311						
	0.59681						AVRG		0.55171		6.65161	
82 1-Chlorohexane	0.56687	0.45218	0.47827	0.56497	0.49174	0.49796						
	0.65285						AVRG		0.52926		13.11151	
84 Chlorobenzene ++	1.03383	0.99983	0.95569	1.03027	1.01486	0.97406						
	1.11223						AVRG		1.01725		4.98514	
85 Ethylbenzene +	0.50839	0.49562	0.49098	0.51357	0.51565	0.47600						
	0.60945						AVRG		0.51567		8.46658	
86 1,1,1,2-Tetrachloroethane	0.36925	0.35833	0.35310	0.36714	0.35687	0.36558						
	0.44012						AVRG		0.37291		8.10461	

GCAL, Inc.

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Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
87 p,m-Xylene	0.59849	0.61488	0.58923	0.65597	0.65094	0.56374						
	0.66451						AVRG		0.61968		6.19191	
89 o-Xylene	0.58431	0.60304	0.60511	0.64691	0.64243	0.56084						
	0.63074						AVRG		0.61048		5.17633	
90 Styrene	0.97718	1.04843	1.05187	1.15169	1.16530	1.06015						
	1.02756						AVRG		1.06888		6.28230	
91 Bromoform ++	0.29801	0.31469	0.30906	0.34065	0.33337	0.30456						
	0.23229						AVRG		0.30466		11.62145	
92 1,5 Cyclooctadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
93 Isopropylbenzene	1.41166	1.50717	1.49183	1.60660	1.62216	1.34958						
	1.57965						AVRG		1.50981		6.76039	
95 n-Propylbenzene	2.45732	2.30461	2.29504	2.40271	2.42438	2.20784						
	2.72316						AVRG		2.40215		6.91021	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 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
	1 Level 7										
96 Bromobenzene	1.17356	1.08521	1.03701	1.06923	1.05722	1.07848					
	1.37411						AVRG		1.12498		10.49305
97 1,1,2,2-Tetrachloroethane++	0.95186	0.89007	0.85006	0.86506	0.84873	0.87670					
	0.89863						AVRG		0.88301		4.04548
98 2-Chlorotoluene	1.78147	1.64082	1.65435	1.72171	1.74362	1.62028					
	1.88464						AVRG		1.72098		5.40754
99 1,3,5-Trimethylbenzene	1.43821	1.41905	1.43637	1.50853	1.49614	1.36069					
	1.37943						AVRG		1.43406		3.82101
100 1,2,3-Trichloropropane	1.23635	1.15914	1.13366	1.18338	1.16283	1.13242					
	1.22232						AVRG		1.17573		3.47092
101 trans-1,4-Dichloro-2-Butene	0.30333	0.29083	0.29099	0.28172	0.28793	0.28417					
	0.38654						AVRG		0.30364		12.25099
102 Cyclohexanone	0.11477	0.12070	0.11696	0.11078	0.09803	0.11891					
	0.10759						AVRG		0.11253		6.97740

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
114 2-ethyltoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
103 4-Chlorotoluene	1.56660	1.59562	1.55728	1.62404	1.63787	1.52805						
	1.68755						AVRG		1.59957		3.40621	
104 tert-butylbenzene	0.88449	0.86850	0.89926	0.89207	0.88647	0.83051						
	0.99562						AVRG		0.89384		5.62855	
105 Pentachloroethane	0.31894	0.27290	0.28610	0.28454	0.31718	0.30933						
	0.29261						AVRG		0.29737		6.00609	
106 1,2,4-Trimethylbenzene	1.48837	1.46102	1.48640	1.53425	1.55119	1.38182						
	1.52667						AVRG		1.48996		3.83653	
107 sec-Butylbenzene	1.70842	1.71936	1.72066	1.82504	1.83579	1.64121						
	2.01734						AVRG		1.78112		6.99172	
108 p-Isopropyltoluene	1.29942	1.29877	1.34237	1.38588	1.41100	1.23765						
	1.43474						AVRG		1.34426		5.24474	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
119 1-3 Diethylbenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
118 1-4 Diethylbenzene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
109 Dicylopentadiene	1.93689 / 2.02635	2.05320	2.07844	2.18340	2.15803	2.22008	AVRG		2.09377		4.74231	
113 3-ethyltoluene	+++++ / +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
110 1,3-Dichlorobenzene	0.94124 / 0.91045	0.87044	0.90138	0.89758	0.90680	0.86147	AVRG		0.89848		2.94678	
112 1,4-Dichlorobenzene	0.93862 / 1.07106	0.94816	0.91764	0.95142	0.94630	0.95817	AVRG		0.96162		5.19472	
M 124 TOTAL XYLENE	0.59376 / 0.65326	0.61093	0.59452	0.65295	0.64810	0.56277	AVRG		0.61661		5.77047	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
117 1-2 Diethylbenzene	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
115 n-Butylbenzene	1.25687 1.31269	1.22977	1.27974	1.35498	1.35383	1.13625	AVRG		1.27487		6.04895	
116 1,2-Dichlorobenzene	0.91239 0.90045	0.85678	0.87200	0.87581	0.87732	0.75361	AVRG		0.86405		6.03022	
M 127 Total Diethylbenzene	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
120 1,2-Dibromo-3-Chloropropane	0.15451 0.13685	0.17082	0.17334	0.17251	0.17652	0.15610	AVRG		0.16295		8.83937	
128 2-methylnapthalene	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	<-
121 Benzal Chloride	+++++ +++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+00		0.000e+00	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Compound	5 Level 1 / 1 Level 7	20 Level 2	50 Level 3	100 Level 4	200 Level 5	10 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
122 Hexachlorobutadiene	0.17684	0.17605	0.17054	0.17265	0.17044	0.16373					
	0.16191						AVRG		0.17031		3.34753
123 1,2,4-Trichlorobenzene	0.32969	0.38198	0.38323	0.41611	0.42552	0.35496					
	0.42043						AVRG		0.38742		9.30543
125 Naphthalene	1.11706	1.24367	1.32154	1.43113	1.48753	1.09531					
	1.06028						AVRG		1.25093		13.53402
126 1,2,3-Trichlorobenzene	0.36033	0.34503	0.36122	0.38756	0.39377	0.31733					
	0.35836						AVRG		0.36051		7.11500
$ 39 Dibromofluoromethane	0.28146	0.28424	0.28721	0.27971	0.27345	0.28011					
	0.27590						AVRG		0.28030		1.66892
$ 48 1,2-Dichloroethane-d4	0.17400	0.17405	0.17624	0.17047	0.16938	0.17010					
	0.17125						AVRG		0.17221		1.48445
$ 67 Toluene-d8	2.08625	2.08556	2.01470	2.00578	2.01707	2.09355					
	2.15291						AVRG		2.06512		2.63391

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 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
	1 Level 7										
$ 94 Bromofluorobenzene	0.59508	0.58466	0.59016	0.63036	0.60515	0.57523					
	0.58392						AVRG		0.59494		3.06681

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-JAN-2011 11:14
End Cal Date : 07-JAN-2011 20:23
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv5.i/2110107p.s.b/8260Bw5.m
Cal Date : 12-Jan-2011 10:50 rjo

Average %RSD Results.	
Calculated Average %RSD =	7.08465
Maximun Average %RSD =	15.00000
* Passed Average %RSD Test.	

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Data File: /var/chem/msv5.i/2110107.s.b/k9756.d
Report Date: 09-Jan-2011 13:30

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: app9icv.spk
Sublist File: APP9.sub
Method File: /var/chem/msv5.i/2110107.s.b/8260Bw5.m
Misc Info: MSV~20793~*1*JCK

Client SDG: 2110107.s
Fraction: VOA
Client Smp ID: APP9ICV
Operator: JCK
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
4 1-3 Butadiene	50.0	45.1	90.20	60-140
10 Ethyl Ether	250	317	126.74	60-140
16 Allyl chloride	50.0	55.1	110.23	60-140
23 tert-Butyl Alcohol	50.0	60.1	120.12	60-140
24 Acetonitrile	200	270	134.79	60-140
25 Isopropyl Ether	50.0	47.8	95.50	60-140
26 Chloroprene	50.0	52.2	104.34	60-140
37 Ethyl Acetate	250	254	101.69	60-140
38 Tetrahydrofuran	250	237	94.97	60-140
41 sec-Butanol	50.0	58.1	116.26	60-140
44 2-2-4 trimethyl Pentane	50.0	52.3	104.69	60-140
46 Propionitrile	250	273	109.10	60-140
47 Methacrylonitrile	50.0	55.3	110.59	60-140
50 Isobutyl Alcohol	250	255	102.03	60-140
56 n-Butanol	250	263	105.02	60-140
58 2-3 Dichloro-1-Proprene	50.0	61.2	122.50	60-140
62 Methyl methacrylate	50.0	51.3	102.54	60-140
63 1,4- Dioxane	1250	1330	106.11	60-140
70 2-nitropropane	50.0	62.6	125.10	60-140
74 Ethyl Methacrylate	50.0	52.8	105.52	60-140
78 1-nitropropane	50.0	63.6	127.24	60-140
92 1,5 Cyclooctadiene	50.0	0.00	NT *	60-140
102 Cyclohexanone	100	103	102.67	60-140
105 Pentachloroethane	50.0	51.3	102.51	60-140
109 Dicylopentadiene	50.0	59.2	118.36	60-140
121 Benzal Chloride	100	0.00	NT 0.00*	60-140

Data File: /var/chem/msv5.i/2110107p.s.b/k9766.d
Report Date: 09-Jan-2011 13:41

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/2110107p.s.b/8260Bw5.m
Misc Info: MSV~20794~*1*JCK

Client SDG: 2110107p.s
Fraction: VOA
Client Smp ID: 8260ICV
Operator: JCK
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluoromethane	50.0	66.1	132.12	60-140
2 Chloromethane ++	50.0	54.8	109.54	70-130
3 Vinyl Chloride +	50.0	51.3	102.64	70-130
5 Bromomethane	50.0	55.9	111.79	60-140
8 Chloroethane	50.0	54.0	108.00	70-130
9 Trichlorofluoromethane	50.0	52.0	103.95	70-130
11 1,1-Dichloroethene +	50.0	47.7	95.34	70-130
12 Carbon Disulfide	50.0	51.8	103.63	70-130
13 1,1,2Trichlotrifluoroethane	50.0	51.2	102.39	70-130
14 Methyl Iodide	50.0	38.4	76.85	70-130
15 Acrolein	250	205	82.18	60-140
17 Methylene Chloride	50.0	47.8	95.67	70-130
18 Acetone	50.0	51.8	103.65	60-140
19 trans-1,2-Dichloroethene	50.0	48.6	97.23	70-130
22 MTBE	50.0	48.5	96.98	70-130
27 1,1-Dichloroethane ++	50.0	50.7	101.37	70-130
29 Acrylonitrile	250	239	95.58	60-140
30 Vinyl Acetate	50.0	35.4	70.78	70-130
31 cis-1,2-Dichloroethene	50.0	49.0	97.94	70-130
32 2,2-Dichloropropane	50.0	47.0	94.02	70-130
34 Cyclohexane	50.0	47.5	95.00	70-130
33 Bromochloromethane	50.0	49.8	99.57	70-130
35 Chloroform +	50.0	50.1	100.27	70-130
36 Carbon Tetrachloride	50.0	50.4	100.73	70-130
40 1,1,1-Trichloroethane	50.0	47.6	95.26	70-130
43 1,1-Dichloropropene	50.0	48.8	97.70	70-130
42 2-Butanone	50.0	50.0	100.08	60-140
45 Benzene	50.0	47.8	95.51	70-130
49 1,2-Dichloroethane	50.0	47.3	94.58	70-130
53 Methyl Cyclohexane	50.0	49.7	99.32	70-130
54 Trichloroethene	50.0	49.2	98.43	70-130
57 Dibromomethane	50.0	47.8	95.57	70-130
59 1,2-Dichloropropane +	50.0	52.1	104.16	70-130

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
60 Bromodichloromethane	50.0	50.4	100.85	70-130
65 2-Chloroethyl vinyl ether	50.0	50.5	101.03	60-140
66 cis-1,3-Dichloropropene	50.0	50.7	101.45	70-130
69 Toluene +	50.0	52.0	103.94	70-130
72 Tetrachloroethene	50.0	52.4	104.70	70-130
71 4-methyl-2-pentanone	50.0	51.3	102.58	60-140
73 trans-1,3-Dichloropropene	50.0	54.7	109.34	70-130
75 1,1,2-Trichloroethane	50.0	56.3	112.59	70-130
76 Dibromochloromethane	50.0	53.0	106.02	70-130
77 1,3-Dichloropropane	50.0	56.0	111.99	70-130
79 1,2-Dibromoethane(EDB)	50.0	53.6	107.22	70-130
80 2-Hexanone	50.0	52.9	105.87	60-140
84 Chlorobenzene ++	50.0	52.8	105.58	70-130
85 Ethylbenzene +	50.0	52.6	105.21	70-130
86 1,1,1,2-Tetrachloroethane	50.0	49.7	99.40	70-130
87 p,m-Xylene	100	108	107.86	70-130
89 o-Xylene	50.0	54.4	108.87	70-130
90 Styrene	50.0	58.0	116.06	70-130
91 Bromoform ++	50.0	56.4	112.73	70-130
93 Isopropylbenzene	50.0	54.4	108.86	70-130
96 Bromobenzene	50.0	50.4	100.75	70-130
95 n-Propylbenzene	50.0	52.5	105.05	70-130
97 1,1,2,2-Tetrachloroethane++	50.0	50.0	99.90	70-130
98 2-Chlorotoluene	50.0	53.8	107.60	70-130
99 1,3,5-Trimethylbenzene	50.0	53.7	107.34	70-130
100 1,2,3-Trichloropropane	50.0	52.5	105.02	70-130
101 trans-1,4-Dichloro-2-Butene	50.0	52.0	104.00	60-140
103 4-Chlorotoluene	50.0	52.1	104.12	70-130
104 tert-butylbenzene	50.0	52.1	104.11	70-130
106 1,2,4-Trimethylbenzene	50.0	53.7	107.33	70-130
107 sec-Butylbenzene	50.0	51.9	103.88	70-130
108 p-Isopropyltoluene	50.0	55.0	109.99	70-130
110 1,3-Dichlorobenzene	50.0	52.0	103.92	70-130
112 1,4-Dichlorobenzene	50.0	51.7	103.43	70-130
115 n-Butylbenzene	50.0	52.9	105.85	70-130
116 1,2-Dichlorobenzene	50.0	51.4	102.73	70-130
120 1,2-Dibromo-3-Chloropropane	50.0	56.4	112.81	60-140
122 Hexachlorobutadiene	50.0	51.6	103.21	70-130
123 1,2,4-Trichlorobenzene	50.0	55.2	110.35	70-130
125 Naphthalene	50.0	55.5	111.00	70-130
126 1,2,3-Trichlorobenzene	50.0	55.4	110.73	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 39 Dibromofluoromethane	50.0	47.4	94.72	77-127

Data File: /var/chem/msv5.i/2110118p.s.b/k9905.d
Report Date: 18-Jan-2011 15:49

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i
Lab File ID: k9905.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

Injection Date: 18-JAN-2011 13:19
Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011
Init. Cal. Times: 11:14 20:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.18402	0.20822	0.20822	0.010	13.15246	40.00000	Averaged
2 Chloromethane ++	0.16561	0.17623	0.17623	0.100	6.41501	30.00000	Averaged
3 Vinyl Chloride +	0.18701	0.19986	0.19986	0.010	6.87224	20.00000	Averaged
5 Bromomethane	0.09022	0.09120	0.09120	0.010	1.07661	40.00000	Averaged
8 Chloroethane	56.51034	50.00000	0.10435	0.010	13.02069	30.00000	Linear
9 Trichlorofluoromethane	0.23852	0.26024	0.26024	0.010	9.10697	30.00000	Averaged
11 1,1-Dichloroethene +	0.12971	0.13867	0.13867	0.010	6.90811	20.00000	Averaged
12 Carbon Disulfide	56.92631	50.00000	0.49891	0.010	13.85263	30.00000	Linear
13 1,1,2Trichlotrifluoroethane	0.13878	0.15490	0.15490	0.010	11.61456	30.00000	Averaged
14 Methyl Iodide	43.53534	50.00000	0.11601	0.010	-12.92931	30.00000	Linear
15 Acrolein	0.02003	0.01860	0.01860	0.010	-7.10293	40.00000	Averaged
17 Methylene Chloride	0.20164	0.20761	0.20761	0.010	2.96283	30.00000	Averaged
18 Acetone	0.11954	0.12318	0.12318	0.010	3.03921	40.00000	Averaged
19 trans-1,2-Dichloroethene	0.21225	0.22477	0.22477	0.010	5.89722	30.00000	Averaged
20 Methyl Acetate	0.20687	0.23041	0.23041	0.010	11.37677	30.00000	Averaged
21 Hexane	0.14719	0.17417	0.17417	0.010	18.32479	30.00000	Averaged
22 MTBE	0.45777	0.48767	0.48767	0.010	6.53150	30.00000	Averaged
27 1,1-Dichloroethane ++	0.30272	0.33132	0.33132	0.100	9.45057	30.00000	Averaged
29 Acrylonitrile	0.09330	0.09540	0.09540	0.010	2.25584	40.00000	Averaged
30 Vinyl Acetate	0.37585	0.27619	0.27619	0.010	-26.51588	30.00000	Averaged
M 61 Total 1,2-Dichloroethene	0.22881	0.24468	0.24468	0.010	6.93748	30.00000	Averaged
31 cis-1,2-Dichloroethene	0.24537	0.26460	0.26460	0.010	7.83734	30.00000	Averaged
32 2,2-Dichloropropane	0.27468	0.29296	0.29296	0.010	6.65365	30.00000	Averaged
34 Cyclohexane	0.26008	0.28553	0.28553	0.010	9.78406	30.00000	Averaged
33 Bromochloromethane	0.08836	0.09582	0.09582	0.010	8.43511	30.00000	Averaged
35 Chloroform +	0.32069	0.34304	0.34304	0.010	6.97117	20.00000	Averaged
36 Carbon Tetrachloride	0.21459	0.24299	0.24299	0.010	13.23503	30.00000	Averaged
$ 39 Dibromofluoromethane	0.28030	0.27778	0.27778	0.050	-0.89953	30.00000	Averaged
40 1,1,1-Trichloroethane	0.27266	0.28563	0.28563	0.010	4.75654	30.00000	Averaged
42 2-Butanone	0.19467	0.21833	0.21833	0.010	12.14994	40.00000	Averaged
43 1,1-Dichloropropene	0.25289	0.26811	0.26811	0.010	6.01786	30.00000	Averaged
45 Benzene	0.71305	0.72909	0.72909	0.010	2.24870	30.00000	Averaged
$ 48 1,2-Dichloroethane-d4	0.17221	0.17377	0.17377	0.050	0.90524	30.00000	Averaged
49 1,2-Dichloroethane	0.27657	0.29427	0.29427	0.010	6.39678	30.00000	Averaged
53 Methyl Cyclohexane	0.21810	0.25392	0.25392	0.010	16.42166	30.00000	Averaged

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i
Lab File ID: k9905.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

Injection Date: 18-JAN-2011 13:19
Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011
Init. Cal. Times: 11:14 20:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
54 Trichloroethene	0.16841	0.17419	0.17419	0.010	3.42779	30.00000	Averaged
57 Dibromomethane	0.13667	0.14709	0.14709	0.010	7.62451	30.00000	Averaged
59 1,2-Dichloropropane +	0.18521	0.20144	0.20144	0.010	8.76401	20.00000	Averaged
60 Bromodichloromethane	0.25927	0.28095	0.28095	0.010	8.36057	30.00000	Averaged
64 1-Bromo-2-chloroethane	0.29415	0.31756	0.31756	0.010	7.95982	30.00000	Averaged
65 2-Chloroethyl vinyl ether	0.16621	0.16401	0.16401	0.010	-1.31966	40.00000	Averaged
66 cis-1,3-Dichloropropene	0.32270	0.36268	0.36268	0.010	12.39104	30.00000	Averaged
$ 67 Toluene-d8	2.06512	1.98392	1.98392	0.050	-3.93190	30.00000	Averaged
69 Toluene +	1.63499	1.62143	1.62143	0.010	-0.82968	20.00000	Averaged
M 6 1-3 Dichloropropene-Total	0.32194	0.36748	0.36748	0.010	14.14641	30.00000	Averaged
71 4-methyl-2-pentanone	0.34803	0.39233	0.39233	0.010	12.73053	40.00000	Averaged
72 Tetrachloroethene	0.26000	0.27107	0.27107	0.010	4.25930	30.00000	Averaged
73 trans-1,3-Dichloropropene	0.69106	0.76026	0.76026	0.010	10.01331	30.00000	Averaged
75 1,1,2-Trichloroethane	0.38294	0.39823	0.39823	0.010	3.99304	30.00000	Averaged
76 Dibromochloromethane	0.43241	0.45830	0.45830	0.010	5.98616	30.00000	Averaged
77 1,3-Dichloropropane	0.77406	0.79127	0.79127	0.010	2.22380	30.00000	Averaged
79 1,2-Dibromoethane(EDB)	0.41417	0.44392	0.44392	0.010	7.18367	30.00000	Averaged
80 2-Hexanone	0.55171	0.60658	0.60658	0.010	9.94575	40.00000	Averaged
82 1-Chlorohexane	0.52926	0.51950	0.51950	0.010	-1.84371	30.00000	Averaged
84 Chlorobenzene ++	1.01725	1.01882	1.01882	0.300	0.15448	30.00000	Averaged
85 Ethylbenzene +	0.51567	0.51038	0.51038	0.010	-1.02494	20.00000	Averaged
86 1,1,1,2-Tetrachloroethane	0.37291	0.36367	0.36367	0.010	-2.47726	30.00000	Averaged
87 p,m-Xylene	0.61968	0.63278	0.63278	0.010	2.11436	30.00000	Averaged
89 o-Xylene	0.61048	0.63490	0.63490	0.010	4.00008	30.00000	Averaged
90 Styrene	1.06888	1.13117	1.13117	0.010	5.82732	30.00000	Averaged
91 Bromoform ++	0.30466	0.33495	0.33495	0.100	9.94088	30.00000	Averaged
93 Isopropylbenzene	1.50981	1.64256	1.64256	0.010	8.79275	30.00000	Averaged
$ 94 Bromofluorobenzene	0.59494	0.61086	0.61086	0.050	2.67734	30.00000	Averaged
95 n-Propylbenzene	2.40215	2.50218	2.50218	0.010	4.16414	30.00000	Averaged
96 Bromobenzene	1.12498	1.08584	1.08584	0.010	-3.47841	30.00000	Averaged
97 1,1,2,2-Tetrachloroethane++	0.88301	0.89732	0.89732	0.300	1.61962	30.00000	Averaged
98 2-Chlorotoluene	1.72098	1.75824	1.75824	0.010	2.16507	30.00000	Averaged
99 1,3,5-Trimethylbenzene	1.43406	1.55105	1.55105	0.010	8.15797	30.00000	Averaged
100 1,2,3-Trichloropropane	1.17573	1.21317	1.21317	0.000	3.18450	30.00000	Averaged
101 trans-1,4-Dichloro-2-Butene	0.30364	0.31280	0.31280	0.010	3.01632	40.00000	Averaged

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i Injection Date: 18-JAN-2011 13:19
Lab File ID: k9905.d Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011
Analysis Type: WATER Init. Cal. Times: 11:14 20:23
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
103 4-Chlorotoluene	1.59957	1.67002	1.67002	0.010	4.40447	30.00000	Averaged
104 tert-butylbenzene	0.89384	0.94090	0.94090	0.010	5.26413	30.00000	Averaged
106 1,2,4-Trimethylbenzene	1.48996	1.57739	1.57739	0.010	5.86814	30.00000	Averaged
107 sec-Butylbenzene	1.78112	1.94695	1.94695	0.010	9.31075	30.00000	Averaged
108 p-Isopropyltoluene	1.34426	1.48578	1.48578	0.010	10.52733	30.00000	Averaged
110 1,3-Dichlorobenzene	0.89848	0.92353	0.92353	0.010	2.78831	30.00000	Averaged
112 1,4-Dichlorobenzene	0.96162	0.97188	0.97188	0.010	1.06693	30.00000	Averaged
M 124 TOTAL XYLENE	0.61661	0.63349	0.63349	0.010	2.73669	30.00000	Averaged
115 n-Butylbenzene	1.27487	1.46667	1.46667	0.010	15.04387	30.00000	Averaged
116 1,2-Dichlorobenzene	0.86405	0.90181	0.90181	0.010	4.37030	30.00000	Averaged
120 1,2-Dibromo-3-Chloropropane	0.16295	0.17811	0.17811	0.010	9.30284	40.00000	Averaged
122 Hexachlorobutadiene	0.17031	0.19669	0.19669	0.010	15.49055	30.00000	Averaged
123 1,2,4-Trichlorobenzene	0.38742	0.43454	0.43454	0.010	12.16434	30.00000	Averaged
125 Naphthalene	1.25093	1.44958	1.44958	0.010	15.87974	30.00000	Averaged
126 1,2,3-Trichlorobenzene	0.36051	0.42193	0.42193	0.010	17.03589	30.00000	Averaged

Data File: /var/chem/msv5.i/2110118p.s.b/k9907.d
Report Date: 19-Jan-2011 13:57

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv5.i
Lab File ID: k9907.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/msv5.i/2110118p.s.b/8260Bw5.m

Injection Date: 18-JAN-2011 14:09
Init. Cal. Date(s): 07-JAN-2011 07-JAN-2011
Init. Cal. Times: 11:14 20:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
4 1-3 Butadiene	0.16952	0.19571	0.19571	0.010	15.44774	40.00000	Averaged
10 Ethyl Ether	0.10374	0.13897	0.13897	0.010	33.95814	40.00000	Averaged
16 Allyl chloride	0.14511	0.17182	0.17182	0.010	18.41230	40.00000	Averaged
23 tert-Butyl Alcohol	0.02551	0.03073	0.03073	0.010	20.48330	40.00000	Averaged
24 Acetonitrile	0.03466	0.04099	0.04099	0.010	18.27230	40.00000	Averaged
25 Isopropyl Ether	0.59830	0.57559	0.57559	0.050	-3.79489	40.00000	Averaged
26 Chloroprene	0.22434	0.24942	0.24942	0.010	11.17874	40.00000	Averaged
37 Ethyl Acetate	0.31050	0.37163	0.37163	0.010	19.68781	40.00000	Averaged
38 Tetrahydrofuran	0.11417	0.13214	0.13214	0.010	15.73414	40.00000	Averaged
41 sec-Butanol	0.02999	0.03712	0.03712	0.010	23.77288	40.00000	Averaged
44 2-2-4 trimethyl Pentane	66.95624	50.00000	0.50782	0.010	33.91247	40.00000	Linear
46 Propionitrile	0.04516	0.05751	0.05751	0.010	27.35623	40.00000	Averaged
47 Methacrylonitrile	0.20822	0.22783	0.22783	0.010	9.41716	40.00000	Averaged
50 Isobutyl Alcohol	0.01606	0.01615	0.01615	0.010	0.55888	40.00000	Averaged
56 n-Butanol	0.01116	0.01306	0.01306	0.010	17.06802	40.00000	Averaged
58 2-3 Dichloro-1-Proprene	0.29171	0.30719	0.30719	0.010	5.30864	40.00000	Averaged
62 Methyl methacrylate	0.18792	0.20185	0.20185	0.010	7.41143	40.00000	Averaged
63 1,4- Dioxane	0.00273	0.00335	0.00335	0.001	22.65092	40.00000	Averaged
70 2-nitropropane	0.08476	0.10776	0.10776	0.010	27.13617	40.00000	Averaged
74 Ethyl Methacrylate	0.53023	0.51894	0.51894	0.010	-2.12759	40.00000	Averaged
78 1-nitropropane	0.05695	0.07044	0.07044	0.010	23.69083	40.00000	Averaged
102 Cyclohexanone	0.11253	0.12336	0.12336	0.010	9.62024	40.00000	Averaged
105 Pentachloroethane	0.29737	0.28830	0.28830	0.010	-3.05192	40.00000	Averaged
109 Dicylopentadiene	2.09377	2.41885	2.41885	0.010	15.52627	40.00000	Averaged
121 Benzal Chloride	++++	0.16400	0.16400	0.010	++++	40.00000	Averaged <UT

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID (Standard): 2110116/a8959

Date Analyzed: 01/16/11

Instrument ID: MSV11

Time: 0859

GC Column: RTX-VMS-30 ID: .25 (mm)

Heated Purge: (Y/N) N

Analytical Batch: 449012

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
STANDARD	102426		8.6		96252		11.82		267435		5.28	
EPA Sample		#		#		#		#		#		#
1. LCS913049	104129		8.6		99408		11.82		264793		5.28	
2. LCSD913050	105635		8.6		99611		11.82		269364		5.28	
3. MB913048	98814		8.59		85561		11.82		261369		5.28	
4. EQUIPMENT BLANK	94718		8.6		80672		11.82		258968		5.28	
5. TRIP BLANK 1	96155		8.6		81442		11.82		259547		5.28	
6. TRIP BLANK 2	95452		8.6		79675		11.82		256335		5.28	

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.: 211011405

Lab File ID (Standard): 2110116/a8960s Date Analyzed: 01/16/11 Time: 0923

Instrument ID: MSV11 GC Column: RTX-VMS-30M ID: .25 (mm)

Analytical Batch: 449013 Heated Burge: (Y/N) Y

	IS1 Area	RT	IS2 Area	RT	IS3 Area	RT
STANDARD	264793	5.28	104129	8.60	99408	11.82

EPA Sample No.		#		#		#		#		#		#
LCS913052	264793		5.28		104129		8.60		99408		11.82	
LCSD913053	269364		5.28		105635		8.60		99611		11.82	
MB913051	233158		5.28		89050		8.59		88124		11.82	
T-15-F	243009		5.28		92304		8.60		91030		11.82	
T-15-F MS	261850		5.28		103314		8.60		97972		11.82	
T-15-F MSD	266506		5.28		105177		8.60		102063		11.82	
T-21-F	229819		5.28		89091		8.60		89516		11.82	
NC-0-0.3	236281		5.28		92486		8.60		94286		11.82	
T-6-NORTH	243988		5.28		95200		8.60		99118		11.82	
SC-W	247517		5.28		97285		8.60		98863		11.82	
SC-E	255725		5.28		98817		8.60		99437		11.82	
T-6-FLOOR	272865		5.28		103268		8.60		94113		11.82	
T-6-EAST	268644		5.28		101510		8.60		90410		11.82	
T-6-SOUTH	266446		5.28		100967		8.60		86231		11.82	
BLIND DUP	262564		5.28		100173		8.60		87929		11.82	

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

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
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.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID (Standard): 2110118p/k9905

Date Analyzed: 01/18/11

Instrument ID: MSV5

Time: 1319

GC Column: RTX-VMS-30 ID: .25 (mm)

Heated Purge: (Y/N) N

Analytical Batch: 449157

	IS 1 Area	RT	IS 2 Area	RT	IS 3 Area	RT
STANDARD	448195	9.85	363706	11.93	915279	7.07

EPA Sample		#		#		#		#		#		#
1. LCS913706	448195		9.85		363706		11.93		915279		7.07	
2. LCSD913707	439975		9.85		376202		11.93		907873		7.07	
3. MB913705	425374		9.86		320520		11.93		863672		7.07	
4. T-2-WEST	432364		9.84		327568		11.92		882603		7.06	

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

VOLATILE SOLIDS PREPARATION

SAMPLE NUMBER	SAMPLE WEIGHT (g)	SODIUM BISULFATE WEIGHT (g)	SODIUM BISULFATE LOT #	AMOUNT OF WATER (ml)	AMOUNT OF METHANOL (ml)	AMOUNT OF METHANOL LOT #	SURROGATE/ SPIKE	DATE/ TIME	ANALYST	COMMENTS
[redacted]	53.11 35.36	N/A	N/A	N/A	N/A	N/A	N/A	10:34 1·13·11	EDS	Terra core
[redacted]	53.07 35.83	↓	↓	↓	↓	↓	↓	10:34 1·13·11	↓	↓
[redacted]	47.63 33.55	↓	↓	↓	↓	↓	↓	10:34 1·13·11	↓	↓
[redacted]	49.38 35.58	↓	↓	↓	↓	↓	↓	10:36 1·13·11	↓	↓
[redacted]	47.85 35.52	↓	↓	↓	↓	↓	↓	10:36 1·13·11	↓	↓
[redacted]	41.74 33.52	↓	↓	↓	↓	↓	↓	10:36 1·13·11	↓	↓
[redacted]	45.40 35.76	↓	↓	↓	↓	↓	↓	10:39 1·13·11	↓	↓
[redacted]	45.95 35.96	↓	↓	↓	↓	↓	↓	10:39 1·13·11	↓	↓
[redacted]	45.28 33.38	↓	↓	↓	↓	↓	↓	10:39 1·13·11	↓	↓
[redacted]	44.52 35.57	↓	↓	↓	↓	↓	↓	10:41 1·13·11	↓	↓
[redacted]	44.40 35.27	↓	↓	↓	↓	↓	↓	10:41 1·13·11	↓	↓
[redacted]	42.40 33.17	↓	↓	↓	↓	↓	↓	10:41 1·13·11	↓	↓
[redacted]	5.17	N/A	N/A	500	N/A	N/A	N/A	11:15 1/13/11	CLH	[illegible]
[redacted]	5.63	↓	↓	↓	↓	↓	↓	11:16 1/13/11	↓	↓
[redacted]	5.58	↓	↓	↓	↓	↓	↓	11:17 1/13/11	↓	↓
2110114050 1A	40.54 35.04	NA	NA	NA	NA	NA	NA	12:30 1/14/11	RJU	Terracore
2110114050 1B	41.54 35.24	↓	↓	↓	↓	↓	↓	12:31 1/14/11	↓	↓
2110114050 1C	39.60 33.42 > 6.18	↓	↓	↓	↓	↓	↓	12:32 1/14/11	↓	↓
2110114050 2A	41.57 35.53	↓	↓	↓	↓	↓	↓	12:33 1/14/11	↓	↓
2110114050 2B	40.84 35.54	↓	↓	↓	↓	↓	↓	12:34 1/14/11	↓	↓
2110114050 2C	38.52 33.61 > 4.91	↓	↓	↓	↓	↓	↓	12:35 1/14/11	↓	↓

VOLATILE SOLIDS PREPARATION

SAMPLE NUMBER	SAMPLE WEIGHT (g)	SODIUM BISULFATE WEIGHT (g)	SODIUM BISULFATE LOT #	AMOUNT OF WATER (ml)	AMOUNT OF METHANOL (ml)	AMOUNT OF LOT #	SURROGATE/ SPIKE	DATE/ TIME	ANALYST	COMMENTS
21101140503 A	40.56 35.84	NA	NA	NA	NA	NA	NA	12:36 1/14/11	RSU	Terracore
21101140503 B	42.05 35.70							12:37 1/14/11		
21101140503 C	39.88 33.85	6.03						12:38 1/14/11		
21101140504 A	41.70 36.05							12:39 1/14/11		
21101140504 B	41.59 35.58							12:40 1/14/11		
21101140504 C	38.83 33.12	5.81						12:41 1/14/11		
21101140505 A	40.74 35.38							12:42 1/14/11		
21101140505 B	40.65 35.60							12:43 1/14/11		
21101140505 C	38.18 33.47	4.71						12:44 1/14/11		
21101140506 A	41.27 35.36							12:45 1/14/11		
21101140506 B	41.66 35.52							12:46 1/14/11		
21101140506 C	39.29 33.08	6.21						12:47 1/14/11		
21101140507 A	39.43 35.31	NA	NA	NA	NA	NA	NA	12:48 1/14/11	RSU	Terracore
21101140507 B	41.29 36.44							12:49 1/14/11		
21101140507 C	37.56 32.79	4.77						12:50 1/14/11		
21101140508 A	40.12 34.93							12:51 1/14/11		
21101140508 B	40.96 35.66							12:52 1/14/11		
21101140508 C	38.34 33.21	5.13						12:53 1/14/11		
21101140509 A	41.30 35.89							12:54 1/14/11		
21101140509 B	41.17 35.87							12:55 1/14/11		
21101140509 C	38.42 33.19	5.23						12:56 1/14/11		

VOLATILE SOLIDS PREPARATION

SAMPLE NUMBER	SAMPLE WEIGHT (g)	SODIUM BISULFATE WEIGHT (g)	SODIUM BISULFATE LOT #	AMOUNT OF WATER (ml)	AMOUNT OF METHANOL (ml)	AMOUNT OF LOT #	SURROGATE/ SPIKE	DATE/ TIME	ANALYST	COMMENTS
2110114051 0 A	42.07 35.80	N/A	N/A	N/A	N/A	N/A	N/A	14:14 1.14.11	EDS	Terracore
2110114051 0 B	41.72 35.77							14:14 1.14.11		
2110114051 0 C	39.50 33.63	5.87						14:14 1.14.11		
2110114051 1 A	39.72 35.19							14:18 1.14.11		
2110114051 1 B	40.47 35.35							14:18 1.14.11		
2110114051 1 C	39.27 33.56	5.71						14:18 1.14.11		
2110114051 2 A	41.47 35.10							14:21 1.14.11		
2110114051 2 B	42.47 35.67							14:21 1.14.11		
2110114051 2 C	39.44 33.59	5.85						14:21 1.14.11		
2110114051 3 A	40.72 35.77							14:23 1.14.11		
2110114051 3 B	40.77 35.53							14:23 1.14.11		
2110114051 3 C	38.22 33.29	4.93						14:23 1.14.11		
[redacted]	35.83 35.56	N/A	N/A	N/A	N/A	N/A	N/A	14:44 1.14.11	EDS	Terracore
[redacted]	43.03 35.86							14:44 1.14.11		
[redacted]	39.48 32.40							14:44 1.14.11		
[redacted]	42.82 35.32							1446 1.14.11		
[redacted]	42.41 35.67							14:46 1.14.11		
[redacted]	40.41 33.57							14:46 1.14.11		
[redacted]	44:52 35.51							14:49 1.14.11		
[redacted]	42.28 36.02							14:49 1.14.11		
[redacted]	39.03 33.20							14:49 1.14.11		

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 14-JAN-2011
Instrument: msv11.i
Analyst(s): RJO

Standard		Conc ppm	
BFB IS/SS	50	6-99-2	05/21/11
8260 IS/SS	50	6-99-2	05/21/11
APP9-2	50	6-100-9	07/07/11
APP9-1	50	6-97-3	05/16/11
THF	50	6-97-9	05/19/11
APP9-2 ICV	50	6-96-8	05/05/11
APP9-1 ICV	50	6-98-3	02/14/11
THF ICV	50	6-93-11	04/06/11

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000	RR	a8910.d	0.00 ml	14-JAN-2011 08:52	1.000	RJO	2
1000	RR	a8911.d	0.00 ml	14-JAN-2011 09:24	1.000	RJU	2
1000		a8912BFB.d	0.00 ml	14-JAN-2011 09:48	1.000	RJU	2
1000		a8912BFBS.d	0.00 ml	14-JAN-2011 09:48	1.000	RJU	2
1400		a8913.d	5.00 ml	14-JAN-2011 10:25	1.000	RJU	21
1208		a8914.d	5.00 ml	14-JAN-2011 11:09	1.000	RJU	22
1201		a8915.d	5.00 ml	14-JAN-2011 11:41	1.000	RJU	23
1206		a8916.d	5.00 ml	14-JAN-2011 12:09	1.000	RJU	24
1202		a8917.d	5.00 ml	14-JAN-2011 12:41	1.000	RJU	25
1400		a8918CCV.d	5.00 ml	14-JAN-2011 13:15	1.000	RJU	26
1203		a8918.d	5.00 ml	14-JAN-2011 13:15	1.000	RJU	26
1204		a8919.d	5.00 ml	14-JAN-2011 13:48	1.000	RJU	27
1205		a8920.d	5.00 ml	14-JAN-2011 14:28	1.000	RJU	28
BLANK		a8921.d	5.00 ml	14-JAN-2011 14:55	1.000	RJU	29
1600		a8922.d	5.00 ml	14-JAN-2011 15:30	1.000	RJU	30
912979		a8923.d	5.00 g	14-JAN-2011 16:08	50.000	RJU	31
912980		a8924.d	5.00 g	14-JAN-2011 16:41	50.000	RJU	32
SMB		a8925.d	5.00 ml	14-JAN-2011 17:14	50.000	RJU	33
912978		a8926.d	5.00 g	14-JAN-2011 17:38	50.000	RJU	34
21101103001		a8927.d	5.05 g	14-JAN-2011 18:14	50.000	RJU	35

TUNE = 21:48

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 15-JAN-2011
Instrument: msv11.i
Analyst(s): RJU

Standard	Conc ppm	ID	EXP
BFB IS/SS	50	6-99-2	05/21/11
8260 IS/SS	50	6-99-2	05/21/11
8260	50	6-100-11	01/28/11
AC/AC/VA	250/50	6-100-10	03/10/11
CVE	50	6-100-3	06/29/11
Heptane	250	6-98-2	05/28/11
8260 ICV	50	6-99-4	06/22/11
AC/AC/VA ICV	250/50	6-98-12	01/17/11
CVE ICV	50	6-89-11	02/11/11
Heptane ICV	250	6-93-10	04/06/11

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		a8930BFB.d	0.00 ml	15-JAN-2011 08:16	1.000	RJU	2
1000		a8930BFBD.d	0.00 ml	15-JAN-2011 08:16	1.000	RJU	2
1209	RR	a8931.d	5.00 ml	15-JAN-2011 08:58	1.000	RJU	19
1208	RR	a8932.d	5.00 ml	15-JAN-2011 09:32	1.000	RJU	20
1201		a8933.d	5.00 ml	15-JAN-2011 09:57	1.000	RJU	21
1201		a8933D.d	5.00 ml	15-JAN-2011 09:57	1.000	RJU	21
1206		a8934.d	5.00 ml	15-JAN-2011 10:21	1.000	RJU	22
1206		a8934D.d	5.00 ml	15-JAN-2011 10:21	1.000	RJU	22
1202		a8935.d	5.00 ml	15-JAN-2011 10:45	1.000	RJU	23
1202		a8935D.d	5.00 ml	15-JAN-2011 10:45	1.000	RJU	23
1203		a8936.d	5.00 ml	15-JAN-2011 11:09	1.000	RJU	24
1203		a8936D.d	5.00 ml	15-JAN-2011 11:09	1.000	RJU	24
1204		a8937.d	5.00 ml	15-JAN-2011 11:32	1.000	RJU	25
1204		a8937D.d	5.00 ml	15-JAN-2011 11:32	1.000	RJU	25
1205		a8938.d	5.00 ml	15-JAN-2011 11:55	1.000	RJU	26
1205		a8938D.d	5.00 ml	15-JAN-2011 11:55	1.000	RJU	26
BLANK		a8939.d	5.00 ml	15-JAN-2011 12:19	1.000	RJU	27
BLANK		a8940.d	5.00 ml	15-JAN-2011 12:42	1.000	RJU	27
1208		a8941.d	5.00 ml	15-JAN-2011 13:06	1.000	RJU	28
1208		a8941D.d	5.00 ml	15-JAN-2011 13:06	1.000	RJU	28
1210	NOT USED	a8942.d	5.00 ml	15-JAN-2011 14:00	1.000	RJU	29
1600	RR	a8943.d	5.00 ml	15-JAN-2011 14:24	1.000	RJU	30
1600		a8944.d	5.00 ml	15-JAN-2011 14:59	1.000	RJU	31
1600		a8944D.d	5.00 ml	15-JAN-2011 14:59	1.000	RJU	31
913039		a8945.d	5.00 ml	15-JAN-2011 15:33	1.000	RJU	29
913040		a8946.d	5.00 ml	15-JAN-2011 16:07	1.000	RJU	30
MB		a8947.d	5.00 ml	15-JAN-2011 16:33	1.000	RJU	31
913038		a8948.d	5.00 ml	15-JAN-2011 17:03	1.000	RJU	32
21101121306		a8949.d	5.00 ml	15-JAN-2011 17:27	1.000	RJU	33
21101121301		a8950.d	5.00 ml	15-JAN-2011 17:50	1.000	RJU	34
21101121302		a8951.d	5.00 ml	15-JAN-2011 18:13	1.000	RJU	35
21101121303		a8952.d	5.00 ml	15-JAN-2011 18:36	1.000	RJU	36
21101121304		a8953.d	5.00 ml	15-JAN-2011 19:00	1.000	RJU	37
21101121305	LRNO WITH FOLLOWING	a8954.d	5.00 ml	15-JAN-2011 19:24	5.000	RJU	38
21101121305	LRNO WITH ABOVE	a8955.d	5.00 ml	15-JAN-2011 19:47	1.000	RJU	38
BLANK		a8956.d	5.00 ml	15-JAN-2011 20:10	1.000	RJU	39

TUNE = 20:16

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 16-JAN-2011
Instrument: msv11.i
Analyst(s): RJU

Standard	Conc ppm	ID	EXP
BFB IS/SS	50	6-99-2	05/21/11
8260 IS/SS	50	6-99-2	05/21/11
8260	50	6-100-11	01/28/11
AC/AC/VA	250/50	6-100-10	03/10/11
CVE	50	6-100-3	06/29/11
Heptane	250	6-98-2	05/28/11
APP9-1	50	6-97-3	05/16/11
APP9-2	50	6-100-9	07/07/11
THF	50	6-97-9	05/19/11

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000	RR	a8958.d	0.00 ml	16-JAN-2011 08:11	1.000	RJU	2
1000		a8958s.d	0.00 ml	16-JAN-2011 08:11	1.000	RJU	2
1400	APP9	a8959.d	5.00 ml	16-JAN-2011 08:59	1.000	RJU	39
1400	APP9	a8959s.d	5.00 ml	16-JAN-2011 08:59	1.000	RJU	39
1400		a8960.d	5.00 ml	16-JAN-2011 09:23	1.000	RJU	40
913049		a8960L.d	5.00 ml	16-JAN-2011 09:23	1.000	RJU	40
1400		a8960s.d	5.00 ml	16-JAN-2011 09:23	1.000	RJU	40
913052		a8960sL.d	5.00 g	16-JAN-2011 09:23	50.000	RJU	40
913050		a8961.d	5.00 ml	16-JAN-2011 09:46	1.000	RJU	41
913053		a8961s.d	5.00 g	16-JAN-2011 09:46	50.000	RJU	41
MB		a8962.d	5.00 ml	16-JAN-2011 10:09	1.000	RJU	42
913048		a8963.d	5.00 ml	16-JAN-2011 10:33	1.000	RJU	42
913051		a8964.d	5.00 g	16-JAN-2011 10:55	50.000	RJU	43
21101140501		a8965.d	6.18 g	16-JAN-2011 11:18	50.000	RJU	44
21101140514		a8966.d	5.00 ml	16-JAN-2011 11:42	1.000	RJU	45
21101140515		a8967.d	5.00 ml	16-JAN-2011 12:05	1.000	RJU	46
21101140516		a8968.d	5.00 ml	16-JAN-2011 12:28	1.000	RJU	47
21101143701	LRNO WITH 20/2	a8969.d	5.00 ml	16-JAN-2011 12:51	100.000	RJU	48
21101143701	LRNO WITH 100/2	a8970.d	5.00 ml	16-JAN-2011 13:14	20.000	RJU	49
21101143701	LRNO WITH 100/20	a8971.d	5.00 ml	16-JAN-2011 13:37	2.000	RJU	50
21101140502	MS	a8972.d	4.91 g	16-JAN-2011 14:01	50.000	RJU	51
21101140503	MSD	a8973.d	6.03 g	16-JAN-2011 14:25	50.000	RJU	52
BLANK		a8974.d	5.00 ml	16-JAN-2011 14:49	1.000	RJU	53
21101144101	DILUTED DUE TO NT	a8975.d	5.01 g	16-JAN-2011 15:14	10000.000	RJU	54
21101142402		a8976.d	5.00 g	16-JAN-2011 15:39	1000000.000	RJU	55
21101140504		a8977.d	5.81 g	16-JAN-2011 16:03	50.000	RJU	56
21101140505		a8978.d	4.71 g	16-JAN-2011 16:27	50.000	RJU	57
21101140510		a8979.d	5.87 g	16-JAN-2011 16:51	50.000	RJU	58
21101140512	DILUTED DUE TO MATRIX	a8980.d	5.85 g	16-JAN-2011 17:15	50.000	RJU	59
21101140513		a8981.d	4.93 g	16-JAN-2011 17:39	50.000	RJU	60
21101140507		a8982.d	4.77 g	16-JAN-2011 18:09	100.000	CLH	61
21101140506	RR, 250X	a8983.d	6.21 g	16-JAN-2011 18:33	1000.000	CLH	62
21101140508		a8984.d	5.13 g	16-JAN-2011 18:57	10000.000	CLH	63
21101140509		a8985.d	5.23 g	16-JAN-2011 19:22	10000.000	CLH	64
21101140511		a8986.d	5.71 g	16-JAN-2011 19:46	10000.000	CLH	65
BLANK		a8987.d	5.00 g	16-JAN-2011 20:10	1.000	CLH	66

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 01-JAN-2011
Instrument: msv5.i
Analyst(s): JCK

Standard	Conc ppm		
BFB IS/SS	50	6-96-6	05/04/11
8260 IS/SS	50	6-96-6	05/04/11
APP9-2	50	6-97-2	05/12/11
APP9-1	50	6-97-3	05/16/11
THF	50	6-97-9	05/19/11
THF ICV	50	6-93-11	04/06/11
APP9-2 ICV	50	6-96-8	05/05/11
APP9-1 ICV	50	6-98-3	02/14/11

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
BLANK		k9644.d	0.00 ml	01-JAN-2011 13:18	1.000	JCK	2
1000		k9745.d	0.00 ml	07-JAN-2011 10:24	1.000	JCK	2
1207		k9746.d	5.00 ml	07-JAN-2011 11:14	1.000	JCK	1
1201		k9747.d	5.00 ml	07-JAN-2011 11:36	1.000	JCK	2
1206	RR	k9748.d	5.00 ml	07-JAN-2011 11:58	1.000	JCK	3
1202		k9749.d	5.00 ml	07-JAN-2011 12:21	1.000	JCK	4
1203		k9750.d	5.00 ml	07-JAN-2011 12:43	1.000	JCK	5
1204		k9751.d	5.00 ml	07-JAN-2011 13:06	1.000	JCK	6
1205		k9752.d	5.00 ml	07-JAN-2011 13:30	1.000	JCK	7
BLANK		k9753.d	5.00 ml	07-JAN-2011 13:53	1.000	JCK	8
1600	RR	k9754.d	5.00 ml	07-JAN-2011 14:59	1.000	JCK	9
1206		k9755.d	5.00 ml	07-JAN-2011 15:42	1.000	JCK	10
1600		k9756.d	5.00 ml	07-JAN-2011 16:04	1.000	JCK	11

TUNE = 01:18

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 07-JAN-2011
Instrument: msv5.i
Analyst(s): JCK

Standard	Conc ppm		
BFB IS/SS	50	6-99-2	05/21/11
8260 IS/SS	50	6-99-2	05/21/11
8260	50	6-100-8	01/17/11
Ac/Ac	250/50	6-100-7	03/01/11
CVE	50	6-100-3	06/29/11
8260 ICV	50	6-99-4	06/22/11
AC/AC ICV	250/50	6-98-12	01/17/11
CVE ICV	50	6-89-11	02/11/11

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		k9757.d	0.00 ml	07-JAN-2011 17:02	1.000	JCK	2
1207	8260 ICAL	k9758.d	5.00 ml	07-JAN-2011 18:08	1.000	JCK	1
1201		k9759.d	5.00 ml	07-JAN-2011 18:30	1.000	JCK	2
1206		k9760.d	5.00 ml	07-JAN-2011 18:54	1.000	JCK	3
1202		k9761.d	5.00 ml	07-JAN-2011 19:16	1.000	JCK	4
1203		k9762.d	5.00 ml	07-JAN-2011 19:38	1.000	JCK	5
1204		k9763.d	5.00 ml	07-JAN-2011 20:01	1.000	JCK	6
1205		k9764.d	5.00 ml	07-JAN-2011 20:23	1.000	JCK	7
BLANK		k9765.d	5.00 ml	07-JAN-2011 20:45	1.000	JCK	8
1600		k9766.d	5.00 ml	07-JAN-2011 21:07	1.000	JCK	9
1600	NOT USED	k9767.d	5.00 ml	07-JAN-2011 21:29	1.000	JCK	10
BLANK		k9768.d	5.00 ml	07-JAN-2011 21:52	1.000	JCK	11

TUNE = 05:02

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 18-JAN-2011
Instrument: msv5.i
Analyst(s): CLH

Standard	Conc ppm		
BFB IS/SS	50	6-99-2	05/21/11
8260 IS/SS	50	6-99-2	05/21/11
8260	50	6-100-11	01/28/11
Ac/Ac	250/50	6-100-12	03/16/11
CVE	50	6-100-3	06/29/11
APP9-2	50	6-100-9	07/07/11
APP9-1	50	6-97-3	05/16/11
THF	50	6-97-9	05/19/11

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		k9903bfb.d	0.00 ml	18-JAN-2011 12:33	1.000	CLH	2
1000		k9903sbfb.d	0.00 ml	18-JAN-2011 12:33	1.000	CLH	2
BLANK		k9904.d	5.00 ml	18-JAN-2011 12:56	1.000	CLH	5
1400		k9905.d	5.00 ml	18-JAN-2011 13:19	1.000	CLH	2
913709		k9905L.d	5.00 ml	18-JAN-2011 13:19	1.000	CLH	2
1400		k9905s.d	5.00 ml	18-JAN-2011 13:19	1.000	CLH	2
913706		k9905sL.d	5.00 g	18-JAN-2011 13:19	50.000	CLH	2
913710		k9906.d	5.00 ml	18-JAN-2011 13:42	1.000	CLH	3
913707		k9906s.d	5.00 g	18-JAN-2011 13:42	50.000	CLH	3
1400		k9907.d	5.00 ml	18-JAN-2011 14:09	1.000	CLH	4
1400		k9907s.d	5.00 ml	18-JAN-2011 14:09	1.000	CLH	4
MB		k9908.d	5.00 ml	18-JAN-2011 14:32	1.000	CLH	5
913705		k9909.d	5.00 g	18-JAN-2011 14:55	50.000	CLH	6
913708		k9910.d	5.00 ml	18-JAN-2011 15:19	1.000	CLH	7
21101140506		k9911.d	6.21 g	18-JAN-2011 15:41	250.000	CLH	8
21101140602		k9912.d	5.00 ml	18-JAN-2011 16:04	40.000	CLH	9
21101143333		k9913.d	5.00 ml	18-JAN-2011 16:26	1.000	CLH	10
21101171601		k9914.d	5.00 ml	18-JAN-2011 16:48	20.000	CLH	11
BLANK		k9915.d	5.00 ml	18-JAN-2011 17:11	1.000	CLH	12
913803		k9916.d	5.00 ml	18-JAN-2011 17:33	40.000	CLH	34
913804		k9917.d	5.00 ml	18-JAN-2011 17:56	40.000	CLH	35
912982		k9918.d	5.00 ml	18-JAN-2011 18:19	40.000	CLH	36
21101172801	LRNO WITH FOLLOWING	k9919.d	5.00 ml	18-JAN-2011 18:41	20.000	CLH	13
21101172801	LRNO WITH ABOVE	k9920.d	5.00 ml	18-JAN-2011 19:05	2.000	CLH	14
BLANK		k9921.d	5.00 ml	18-JAN-2011 19:29	1.000	CLH	15
BLANK		k9922.d	5.00 ml	18-JAN-2011 19:52	1.000	CLH	16
21101171501	LRNO WITH k9925	k9923.d	5.00 ml	18-JAN-2011 20:14	250.000	CLH	17
21101171502	LRNO WITH k9926	k9924.d	5.00 ml	18-JAN-2011 20:37	250.000	CLH	18
21101171501	LRNO WITH k9923	k9925.d	5.00 ml	18-JAN-2011 21:00	10.000	CLH	19
21101171502	LRNO WITH k9924	k9926.d	5.00 ml	18-JAN-2011 21:22	10.000	RJU	20
BLANK		k9927.d	5.00 ml	18-JAN-2011 21:45	1.000	RJU	21
BLANK		k9928.d	5.00 ml	18-JAN-2011 22:07	1.000	RJU	22
BLANK		k9929.d	5.00 ml	18-JAN-2011 22:30	1.000	RJU	23
21101170304		k9930.d	5.00 ml	18-JAN-2011 22:53	1.000	RJU	24
21101140601		k9931.d	5.00 ml	18-JAN-2011 23:15	40.000	RJU	25
21101140603		k9932.d	5.00 ml	18-JAN-2011 23:38	40.000	RJU	26

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F

Contract:

Lab File ID: 2110114/e7980

Lab Sample ID: 21101140501

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1656

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.393	U	0.00894	0.393
95-95-4	2,4,5-Trichlorophenol	0.393	U	0.047	0.393
88-06-2	2,4,6-Trichlorophenol	0.393	U	0.062	0.393
120-83-2	2,4-Dichlorophenol	0.393	U	0.063	0.393
105-67-9	2,4-Dimethylphenol	0.393	U	0.050	0.393
51-28-5	2,4-Dinitrophenol	1.96	U	0.211	1.96
121-14-2	2,4-Dinitrotoluene	0.393	U	0.055	0.393
606-20-2	2,6-Dinitrotoluene	0.393	U	0.023	0.393
91-58-7	2-Chloronaphthalene	0.393	U	0.021	0.393
95-57-8	2-Chlorophenol	0.393	U	0.030	0.393
91-57-6	2-Methylnaphthalene	0.079	U	0.021	0.079
88-74-4	2-Nitroaniline	1.96	U	0.044	1.96
88-75-5	2-Nitrophenol	0.393	U	0.018	0.393
91-94-1	3,3'-Dichlorobenzidine	0.785	U	0.251	0.785
99-09-2	3-Nitroaniline	1.96	U	0.048	1.96
534-52-1	2-Methyl-4,6-dinitrophenol	1.96	U	0.039	1.96
101-55-3	4-Bromophenyl-phenylether	0.393	U	0.035	0.393
59-50-7	4-Chloro-3-methylphenol	0.393	U	0.031	0.393
106-47-8	4-Chloroaniline	0.393	U	0.039	0.393
7005-72-3	4-Chlorophenyl-phenylether	0.393	U	0.044	0.393
100-01-6	4-Nitroaniline	1.96	U	0.073	1.96
100-02-7	4-Nitrophenol	1.96	U	0.136	1.96
83-32-9	Acenaphthene	0.079	U	0.022	0.079
208-96-8	Acenaphthylene	0.079	U	0.013	0.079
98-86-2	Acetophenone	0.393	U	0.024	0.393
62-53-3	Aniline	0.393	U	0.021	0.393
120-12-7	Anthracene	0.079	U	0.014	0.079
1912-24-9	Atrazine (Aatrex)	0.785	U	0.058	0.785
100-52-7	Benzaldehyde	0.785	U	0.035	0.785

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F

Contract:

Lab File ID: 2110114/e7980

Lab Sample ID: 21101140501

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1656

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	1.96	U	1.96	1.96
56-55-3	Benzo(a)anthracene	0.079	U	0.017	0.079
50-32-8	Benzo(a)pyrene	0.079	U	0.023	0.079
205-99-2	Benzo(b)fluoranthene	0.393	U	0.012	0.393
191-24-2	Benzo(g,h,i)perylene	0.393	U	0.011	0.393
207-08-9	Benzo(k)fluoranthene	0.393	U	0.018	0.393
65-85-0	Benzoic acid	1.96	U	0.136	1.96
100-51-6	Benzyl alcohol	0.393	U	0.046	0.393
92-52-4	Biphenyl	0.393	U	0.013	0.393
111-91-1	Bis(2-Chloroethoxy)methane	0.393	U	0.022	0.393
111-44-4	Bis(2-Chloroethyl)ether	0.393	U	0.030	0.393
108-60-1	bis(2-Chloroisopropyl)ether	0.393	U	0.020	0.393
117-81-7	bis(2-ethylhexyl)phthalate	0.079	U	0.015	0.079
85-68-7	Butylbenzylphthalate	0.393	U	0.00828	0.393
105-60-2	Caprolactam	0.393	U	0.042	0.393
86-74-8	Carbazole	0.393	U	0.028	0.393
218-01-9	Chrysene	0.393	U	0.013	0.393
84-74-2	Di-n-butylphthalate	0.393	U	0.00948	0.393
117-84-0	Di-n-octylphthalate	0.393	U	0.013	0.393
53-70-3	Dibenz(a,h)anthracene	0.079	U	0.011	0.079
132-64-9	Dibenzofuran	0.393	U	0.014	0.393
84-66-2	Diethylphthalate	0.393	U	0.036	0.393
131-11-3	Dimethyl-phthalate	0.393	U	0.00870	0.393
206-44-0	Fluoranthene	0.017	J	0.00869	0.393
86-73-7	Fluorene	0.079	U	0.012	0.079
118-74-1	Hexachlorobenzene	0.393	U	0.047	0.393
77-47-4	Hexachlorocyclopentadiene	0.393	U	0.059	0.393
67-72-1	Hexachloroethane	0.393	U	0.058	0.393
193-39-5	Indeno(1,2,3-cd)pyrene	0.393	U	0.016	0.393

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F

Contract:

Lab File ID: 2110114/e7980

Lab Sample ID: 21101140501

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1656

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.393	U	0.013	0.393
98-95-3	Nitrobenzene	0.393	U	0.018	0.393
87-86-5	Pentachlorophenol	1.96	U	0.032	1.96
85-01-8	Phenanthrene	0.079	U	0.016	0.079
108-95-2	Phenol	0.393	U	0.019	0.393
129-00-0	Pyrene	0.393	U	0.055	0.393
110-86-1	Pyridine	0.393	U	0.022	0.393
1319-77-3M	m,p-Cresol	0.393	U	0.069	0.393
621-64-7	N-Nitroso-di-n-propylamine	0.079	U	0.020	0.079
62-75-9	N-Nitrosodimethylamine	0.393	U	0.020	0.393
86-30-6	N-Nitrosodiphenylamine	0.393	U	0.012	0.393
95-48-7	o-Cresol	0.393	U	0.012	0.393

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F MS

Contract:

Lab File ID: 2110114/e7981

Lab Sample ID: 21101140502

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1713

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	3.52		0.00897	0.394
95-95-4	2,4,5-Trichlorophenol	3.19		0.047	0.394
88-06-2	2,4,6-Trichlorophenol	2.96		0.062	0.394
120-83-2	2,4-Dichlorophenol	2.96		0.063	0.394
105-67-9	2,4-Dimethylphenol	3.04		0.050	0.394
51-28-5	2,4-Dinitrophenol	2.52		0.211	1.97
121-14-2	2,4-Dinitrotoluene	3.27		0.056	0.394
606-20-2	2,6-Dinitrotoluene	3.47		0.023	0.394
91-58-7	2-Chloronaphthalene	3.57		0.021	0.394
95-57-8	2-Chlorophenol	2.97		0.030	0.394
91-57-6	2-Methylnaphthalene	3.21		0.021	0.079
88-74-4	2-Nitroaniline	3.25		0.044	1.97
88-75-5	2-Nitrophenol	3.28		0.018	0.394
91-94-1	3,3'-Dichlorobenzidine	2.85		0.252	0.788
99-09-2	3-Nitroaniline	2.33		0.048	1.97
534-52-1	2-Methyl-4,6-dinitrophenol	2.94		0.039	1.97
101-55-3	4-Bromophenyl-phenylether	3.89		0.035	0.394
59-50-7	4-Chloro-3-methylphenol	2.83		0.031	0.394
106-47-8	4-Chloroaniline	1.83		0.039	0.394
7005-72-3	4-Chlorophenyl-phenylether	3.47		0.044	0.394
100-01-6	4-Nitroaniline	2.89		0.074	1.97
100-02-7	4-Nitrophenol	2.81		0.136	1.97
83-32-9	Acenaphthene	3.67		0.022	0.079
208-96-8	Acenaphthylene	4.19		0.013	0.079
98-86-2	Acetophenone	3.26		0.024	0.394
62-53-3	Aniline	2.78		0.021	0.394
120-12-7	Anthracene	3.90		0.014	0.079
1912-24-9	Atrazine (Aatrex)	5.17		0.058	0.788
100-52-7	Benzaldehyde	0.334	J	0.035	0.788

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F MS

Contract:

Lab File ID: 2110114/e7981

Lab Sample ID: 21101140502

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1713

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
56-55-3	Benzo(a)anthracene	3.74		0.017	0.079
50-32-8	Benzo(a)pyrene	4.04		0.023	0.079
205-99-2	Benzo(b)fluoranthene	3.55		0.012	0.394
191-24-2	Benzo(g,h,i)perylene	3.32		0.011	0.394
207-08-9	Benzo(k)fluoranthene	3.61		0.018	0.394
65-85-0	Benzoic acid	2.23		0.136	1.97
100-51-6	Benzyl alcohol	3.21		0.046	0.394
92-52-4	Biphenyl	3.22		0.013	0.394
111-91-1	Bis(2-Chloroethoxy)methane	3.49		0.022	0.394
111-44-4	Bis(2-Chloroethyl)ether	3.39		0.030	0.394
108-60-1	bis(2-Chloroisopropyl)ether	3.28		0.020	0.394
117-81-7	bis(2-ethylhexyl)phthalate	3.52		0.015	0.079
85-68-7	Butylbenzylphthalate	3.67		0.00831	0.394
105-60-2	Caprolactam	3.12		0.042	0.394
86-74-8	Carbazole	3.39		0.028	0.394
218-01-9	Chrysene	3.57		0.013	0.394
84-74-2	Di-n-butylphthalate	3.78		0.00952	0.394
117-84-0	Di-n-octylphthalate	3.57		0.013	0.394
53-70-3	Dibenz(a,h)anthracene	3.32		0.011	0.079
132-64-9	Dibenzofuran	3.32		0.014	0.394
84-66-2	Diethylphthalate	3.61		0.036	0.394
131-11-3	Dimethyl-phthalate	3.62		0.00873	0.394
206-44-0	Fluoranthene	3.83		0.00872	0.394
86-73-7	Fluorene	3.61		0.012	0.079
118-74-1	Hexachlorobenzene	3.45		0.047	0.394
77-47-4	Hexachlorocyclopentadiene	4.18		0.059	0.394
67-72-1	Hexachloroethane	2.94		0.059	0.394
193-39-5	Indeno(1,2,3-cd)pyrene	3.32		0.016	0.394
78-59-1	Isophorone	3.43		0.013	0.394

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F MS

Contract:

Lab File ID: 2110114/e7981

Lab Sample ID: 21101140502

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1713

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
98-95-3	Nitrobenzene	3.34		0.018	0.394
87-86-5	Pentachlorophenol	2.60		0.032	1.97
85-01-8	Phenanthrene	3.67		0.016	0.079
108-95-2	Phenol	2.95		0.019	0.394
129-00-0	Pyrene	3.90		0.055	0.394
110-86-1	Pyridine	2.24		0.022	0.394
1319-77-3M	m,p-Cresol	2.87		0.069	0.394
621-64-7	N-Nitroso-di-n-propylamine	3.43		0.020	0.079
62-75-9	N-Nitrosodimethylamine	3.18		0.020	0.394
86-30-6	N-Nitrosodiphenylamine	3.88		0.013	0.394
95-48-7	o-Cresol	2.95		0.012	0.394

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F MSD

Contract:

Lab File ID: 2110114/e7982

Lab Sample ID: 21101140503

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1729

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	3.19		0.00897	0.394
95-95-4	2,4,5-Trichlorophenol	2.93		0.047	0.394
88-06-2	2,4,6-Trichlorophenol	2.63		0.062	0.394
120-83-2	2,4-Dichlorophenol	2.83		0.063	0.394
105-67-9	2,4-Dimethylphenol	2.84		0.050	0.394
51-28-5	2,4-Dinitrophenol	2.16		0.211	1.97
121-14-2	2,4-Dinitrotoluene	3.06		0.056	0.394
606-20-2	2,6-Dinitrotoluene	3.19		0.023	0.394
91-58-7	2-Chloronaphthalene	3.13		0.021	0.394
95-57-8	2-Chlorophenol	2.81		0.030	0.394
91-57-6	2-Methylnaphthalene	3.01		0.021	0.079
88-74-4	2-Nitroaniline	2.91		0.044	1.97
88-75-5	2-Nitrophenol	3.04		0.018	0.394
91-94-1	3,3'-Dichlorobenzidine	2.53		0.252	0.788
99-09-2	3-Nitroaniline	2.08		0.048	1.97
534-52-1	2-Methyl-4,6-dinitrophenol	2.45		0.039	1.97
101-55-3	4-Bromophenyl-phenylether	3.49		0.035	0.394
59-50-7	4-Chloro-3-methylphenol	2.83		0.031	0.394
106-47-8	4-Chloroaniline	1.73		0.039	0.394
7005-72-3	4-Chlorophenyl-phenylether	3.15		0.044	0.394
100-01-6	4-Nitroaniline	2.66		0.074	1.97
100-02-7	4-Nitrophenol	2.61		0.136	1.97
83-32-9	Acenaphthene	3.26		0.022	0.079
208-96-8	Acenaphthylene	3.73		0.013	0.079
98-86-2	Acetophenone	3.09		0.024	0.394
62-53-3	Aniline	2.70		0.021	0.394
120-12-7	Anthracene	3.51		0.014	0.079
1912-24-9	Atrazine (Aatrex)	4.68		0.058	0.788
100-52-7	Benzaldehyde	0.412	J	0.035	0.788

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F MSD

Contract:

Lab File ID: 2110114/e7982

Lab Sample ID: 21101140503

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1729

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
56-55-3	Benzo(a)anthracene	3.32		0.017	0.079
50-32-8	Benzo(a)pyrene	3.44		0.023	0.079
205-99-2	Benzo(b)fluoranthene	2.82		0.012	0.394
191-24-2	Benzo(g,h,i)perylene	2.73		0.011	0.394
207-08-9	Benzo(k)fluoranthene	3.62		0.018	0.394
65-85-0	Benzoic acid	1.87	J	0.136	1.97
100-51-6	Benzyl alcohol	3.12		0.046	0.394
92-52-4	Biphenyl	3.10		0.013	0.394
111-91-1	Bis(2-Chloroethoxy)methane	3.30		0.022	0.394
111-44-4	Bis(2-Chloroethyl)ether	3.22		0.030	0.394
108-60-1	bis(2-Chloroisopropyl)ether	3.16		0.020	0.394
117-81-7	bis(2-ethylhexyl)phthalate	3.40		0.015	0.079
85-68-7	Butylbenzylphthalate	3.59		0.00831	0.394
105-60-2	Caprolactam	3.21		0.042	0.394
86-74-8	Carbazole	2.98		0.028	0.394
218-01-9	Chrysene	3.38		0.013	0.394
84-74-2	Di-n-butylphthalate	3.40		0.00952	0.394
117-84-0	Di-n-octylphthalate	3.30		0.013	0.394
53-70-3	Dibenz(a,h)anthracene	2.85		0.011	0.079
132-64-9	Dibenzofuran	2.98		0.014	0.394
84-66-2	Diethylphthalate	3.32		0.036	0.394
131-11-3	Dimethyl-phthalate	3.31		0.00873	0.394
206-44-0	Fluoranthene	3.28		0.00872	0.394
86-73-7	Fluorene	3.20		0.012	0.079
118-74-1	Hexachlorobenzene	3.03		0.047	0.394
77-47-4	Hexachlorocyclopentadiene	3.40		0.059	0.394
67-72-1	Hexachloroethane	2.84		0.059	0.394
193-39-5	Indeno(1,2,3-cd)pyrene	2.61		0.016	0.394
78-59-1	Isophorone	3.26		0.013	0.394

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.2 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: T-15-F MSD

Contract:

Lab File ID: 2110114/e7982

Lab Sample ID: 21101140503

Date Collected: 01/13/11 Time: 1400

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1729

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
98-95-3	Nitrobenzene	3.08		0.018	0.394
87-86-5	Pentachlorophenol	2.39		0.032	1.97
85-01-8	Phenanthrene	3.32		0.016	0.079
108-95-2	Phenol	2.76		0.019	0.394
129-00-0	Pyrene	3.98		0.055	0.394
110-86-1	Pyridine	2.45		0.022	0.394
1319-77-3M	m,p-Cresol	2.77		0.069	0.394
621-64-7	N-Nitroso-di-n-propylamine	3.25		0.020	0.079
62-75-9	N-Nitrosodimethylamine	2.90		0.020	0.394
86-30-6	N-Nitrosodiphenylamine	3.53		0.013	0.394
95-48-7	o-Cresol	2.76		0.012	0.394

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.7 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-21-F

Contract:

Lab File ID: 2110114/e7983

Lab Sample ID: 21101140504

Date Collected: 01/13/11 Time: 1445

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1746

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.396	U	0.00901	0.396
95-95-4	2,4,5-Trichlorophenol	0.396	U	0.047	0.396
88-06-2	2,4,6-Trichlorophenol	0.396	U	0.062	0.396
120-83-2	2,4-Dichlorophenol	0.396	U	0.064	0.396
105-67-9	2,4-Dimethylphenol	0.396	U	0.050	0.396
51-28-5	2,4-Dinitrophenol	1.98	U	0.212	1.98
121-14-2	2,4-Dinitrotoluene	0.396	U	0.056	0.396
606-20-2	2,6-Dinitrotoluene	0.396	U	0.023	0.396
91-58-7	2-Chloronaphthalene	0.396	U	0.021	0.396
95-57-8	2-Chlorophenol	0.396	U	0.030	0.396
91-57-6	2-Methylnaphthalene	0.128		0.021	0.079
88-74-4	2-Nitroaniline	1.98	U	0.045	1.98
88-75-5	2-Nitrophenol	0.396	U	0.018	0.396
91-94-1	3,3'-Dichlorobenzidine	0.792	U	0.253	0.792
99-09-2	3-Nitroaniline	1.98	U	0.048	1.98
534-52-1	2-Methyl-4,6-dinitrophenol	1.98	U	0.039	1.98
101-55-3	4-Bromophenyl-phenylether	0.396	U	0.035	0.396
59-50-7	4-Chloro-3-methylphenol	0.396	U	0.031	0.396
106-47-8	4-Chloroaniline	0.396	U	0.039	0.396
7005-72-3	4-Chlorophenyl-phenylether	0.396	U	0.044	0.396
100-01-6	4-Nitroaniline	1.98	U	0.074	1.98
100-02-7	4-Nitrophenol	1.98	U	0.137	1.98
83-32-9	Acenaphthene	0.142		0.022	0.079
208-96-8	Acenaphthylene	0.045	J	0.013	0.079
98-86-2	Acetophenone	0.396	U	0.025	0.396
62-53-3	Aniline	0.396	U	0.021	0.396
120-12-7	Anthracene	0.257		0.014	0.079
1912-24-9	Atrazine (Aatrex)	0.792	U	0.059	0.792
100-52-7	Benzaldehyde	0.792	U	0.036	0.792

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.7 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-21-F

Contract:

Lab File ID: 2110114/e7983

Lab Sample ID: 21101140504

Date Collected: 01/13/11 Time: 1445

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1746

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	1.98	U	1.98	1.98
56-55-3	Benzo(a)anthracene	0.275		0.017	0.079
50-32-8	Benzo(a)pyrene	0.188		0.023	0.079
205-99-2	Benzo(b)fluoranthene	0.295	J	0.012	0.396
191-24-2	Benzo(g,h,i)perylene	0.236	J	0.011	0.396
207-08-9	Benzo(k)fluoranthene	0.079	J	0.018	0.396
65-85-0	Benzoic acid	1.98	U	0.137	1.98
100-51-6	Benzyl alcohol	0.396	U	0.046	0.396
92-52-4	Biphenyl	0.062	J	0.013	0.396
111-91-1	Bis(2-Chloroethoxy)methane	0.396	U	0.022	0.396
111-44-4	Bis(2-Chloroethyl)ether	0.396	U	0.030	0.396
108-60-1	bis(2-Chloroisopropyl)ether	0.396	U	0.020	0.396
117-81-7	bis(2-ethylhexyl)phthalate	0.275		0.015	0.079
85-68-7	Butylbenzylphthalate	0.396	U	0.00835	0.396
86-74-8	Carbazole	0.396	U	0.028	0.396
218-01-9	Chrysene	0.377	J	0.013	0.396
84-74-2	Di-n-butylphthalate	0.396	U	0.00956	0.396
117-84-0	Di-n-octylphthalate	0.396	U	0.013	0.396
53-70-3	Dibenz(a,h)anthracene	0.079	U	0.011	0.079
132-64-9	Dibenzofuran	0.396	U	0.014	0.396
84-66-2	Diethylphthalate	0.396	U	0.037	0.396
131-11-3	Dimethyl-phthalate	0.396	U	0.00877	0.396
206-44-0	Fluoranthene	0.352	J	0.00876	0.396
86-73-7	Fluorene	0.160		0.012	0.079
118-74-1	Hexachlorobenzene	0.396	U	0.047	0.396
77-47-4	Hexachlorocyclopentadiene	0.396	U	0.059	0.396
67-72-1	Hexachloroethane	0.396	U	0.059	0.396
193-39-5	Indeno(1,2,3-cd)pyrene	0.257	J	0.016	0.396
78-59-1	Isophorone	0.396	U	0.013	0.396

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.7 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-21-F

Contract:

Lab File ID: 2110114/e7983

Lab Sample ID: 21101140504

Date Collected: 01/13/11 Time: 1445

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1746

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
98-95-3	Nitrobenzene	0.396	U	0.018	0.396
87-86-5	Pentachlorophenol	1.98	U	0.032	1.98
85-01-8	Phenanthrene	1.18		0.016	0.079
108-95-2	Phenol	0.396	U	0.019	0.396
129-00-0	Pyrene	0.832		0.056	0.396
110-86-1	Pyridine	0.396	U	0.022	0.396
1319-77-3M	m,p-Cresol	0.396	U	0.070	0.396
621-64-7	N-Nitroso-di-n-propylamine	0.079	U	0.020	0.079
62-75-9	N-Nitrosodimethylamine	0.396	U	0.020	0.396
86-30-6	N-Nitrosodiphenylamine	0.396	U	0.013	0.396
95-48-7	o-Cresol	0.396	U	0.012	0.396

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 16.7 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-21-F

Contract:

Lab File ID: 2110117/e8009

Lab Sample ID: 21101140504

Date Collected: 01/13/11 Time: 1445

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/17/11 Time: 0856

Dilution Factor: 10 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 449083

CAS NO.	COMPOUND	RESULT		MDL	RL
105-60-2	Caprolactam	27.5		0.420	3.96

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 17.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

Sample ID: NC-0-0.3

Contract:

Lab File ID: 2110114/e7984

Lab Sample ID: 21101140505

Date Collected: 01/13/11 Time: 1455

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1803

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.395	U	0.00900	0.395
95-95-4	2,4,5-Trichlorophenol	0.395	U	0.047	0.395
88-06-2	2,4,6-Trichlorophenol	0.395	U	0.062	0.395
120-83-2	2,4-Dichlorophenol	0.395	U	0.064	0.395
105-67-9	2,4-Dimethylphenol	0.395	U	0.050	0.395
51-28-5	2,4-Dinitrophenol	1.98	U	0.212	1.98
121-14-2	2,4-Dinitrotoluene	0.395	U	0.056	0.395
606-20-2	2,6-Dinitrotoluene	0.395	U	0.023	0.395
91-58-7	2-Chloronaphthalene	0.395	U	0.021	0.395
95-57-8	2-Chlorophenol	0.395	U	0.030	0.395
91-57-6	2-Methylnaphthalene	0.145		0.021	0.079
88-74-4	2-Nitroaniline	1.98	U	0.044	1.98
88-75-5	2-Nitrophenol	0.395	U	0.018	0.395
91-94-1	3,3'-Dichlorobenzidine	0.791	U	0.253	0.791
99-09-2	3-Nitroaniline	1.98	U	0.048	1.98
534-52-1	2-Methyl-4,6-dinitrophenol	1.98	U	0.039	1.98
101-55-3	4-Bromophenyl-phenylether	0.395	U	0.035	0.395
59-50-7	4-Chloro-3-methylphenol	0.395	U	0.031	0.395
106-47-8	4-Chloroaniline	0.395	U	0.039	0.395
7005-72-3	4-Chlorophenyl-phenylether	0.395	U	0.044	0.395
100-01-6	4-Nitroaniline	1.98	U	0.074	1.98
100-02-7	4-Nitrophenol	1.98	U	0.137	1.98
83-32-9	Acenaphthene	0.069	J	0.022	0.079
208-96-8	Acenaphthylene	0.058	J	0.013	0.079
98-86-2	Acetophenone	0.068	J	0.025	0.395
62-53-3	Aniline	0.395	U	0.021	0.395
120-12-7	Anthracene	0.113		0.014	0.079
1912-24-9	Atrazine (Aatrex)	0.791	U	0.058	0.791
100-52-7	Benzaldehyde	0.791	U	0.035	0.791

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 17.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: NC-0-0.3

Contract:

Lab File ID: 2110114/e7984

Lab Sample ID: 21101140505

Date Collected: 01/13/11 Time: 1455

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1803

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	1.98	U	1.98	1.98
56-55-3	Benzo(a)anthracene	0.217		0.017	0.079
50-32-8	Benzo(a)pyrene	0.162		0.023	0.079
205-99-2	Benzo(b)fluoranthene	0.346	J	0.012	0.395
191-24-2	Benzo(g,h,i)perylene	0.286	J	0.011	0.395
207-08-9	Benzo(k)fluoranthene	0.074	J	0.018	0.395
65-85-0	Benzoic acid	1.98	U	0.137	1.98
100-51-6	Benzyl alcohol	0.395	U	0.046	0.395
92-52-4	Biphenyl	0.058	J	0.013	0.395
111-91-1	Bis(2-Chloroethoxy)methane	0.395	U	0.022	0.395
111-44-4	Bis(2-Chloroethyl)ether	0.395	U	0.030	0.395
108-60-1	bis(2-Chloroisopropyl)ether	0.395	U	0.020	0.395
117-81-7	bis(2-ethylhexyl)phthalate	0.501		0.015	0.079
85-68-7	Butylbenzylphthalate	0.395	U	0.00834	0.395
105-60-2	Caprolactam	0.395	U	0.042	0.395
86-74-8	Carbazole	0.395	U	0.028	0.395
218-01-9	Chrysene	0.215	J	0.013	0.395
84-74-2	Di-n-butylphthalate	0.395	U	0.00955	0.395
117-84-0	Di-n-octylphthalate	0.395	U	0.013	0.395
53-70-3	Dibenz(a,h)anthracene	0.079	U	0.011	0.079
132-64-9	Dibenzofuran	0.395	U	0.014	0.395
84-66-2	Diethylphthalate	0.395	U	0.037	0.395
131-11-3	Dimethyl-phthalate	0.395	U	0.00876	0.395
206-44-0	Fluoranthene	0.420		0.00875	0.395
86-73-7	Fluorene	0.115		0.012	0.079
118-74-1	Hexachlorobenzene	0.395	U	0.047	0.395
77-47-4	Hexachlorocyclopentadiene	0.395	U	0.059	0.395
67-72-1	Hexachloroethane	0.395	U	0.059	0.395
193-39-5	Indeno(1,2,3-cd)pyrene	0.312	J	0.016	0.395

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 17.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: NC-0-0.3

Contract:

Lab File ID: 2110114/e7984

Lab Sample ID: 21101140505

Date Collected: 01/13/11 Time: 1455

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1803

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.395	U	0.013	0.395
98-95-3	Nitrobenzene	0.395	U	0.018	0.395
87-86-5	Pentachlorophenol	1.98	U	0.032	1.98
85-01-8	Phenanthrene	0.493		0.016	0.079
108-95-2	Phenol	0.395	U	0.019	0.395
129-00-0	Pyrene	0.380	J	0.055	0.395
110-86-1	Pyridine	0.395	U	0.022	0.395
1319-77-3M	m,p-Cresol	0.395	U	0.070	0.395
621-64-7	N-Nitroso-di-n-propylamine	0.079	U	0.020	0.079
62-75-9	N-Nitrosodimethylamine	0.395	U	0.020	0.395
86-30-6	N-Nitrosodiphenylamine	0.395	U	0.013	0.395
95-48-7	o-Cresol	0.395	U	0.012	0.395

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 20.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-2-WEST

Contract:

Lab File ID: 2110114/e7985

Lab Sample ID: 21101140506

Date Collected: 01/13/11 Time: 1505

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1819

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.413	U	0.00939	0.413
95-95-4	2,4,5-Trichlorophenol	0.413	U	0.049	0.413
88-06-2	2,4,6-Trichlorophenol	0.413	U	0.065	0.413
120-83-2	2,4-Dichlorophenol	0.413	U	0.066	0.413
105-67-9	2,4-Dimethylphenol	0.413	U	0.053	0.413
51-28-5	2,4-Dinitrophenol	2.06	U	0.221	2.06
121-14-2	2,4-Dinitrotoluene	0.413	U	0.058	0.413
606-20-2	2,6-Dinitrotoluene	0.413	U	0.024	0.413
91-58-7	2-Chloronaphthalene	0.413	U	0.022	0.413
95-57-8	2-Chlorophenol	0.413	U	0.032	0.413
91-57-6	2-Methylnaphthalene	0.083	U	0.022	0.083
88-74-4	2-Nitroaniline	2.06	U	0.046	2.06
88-75-5	2-Nitrophenol	0.413	U	0.019	0.413
91-94-1	3,3'-Dichlorobenzidine	0.826	U	0.264	0.826
99-09-2	3-Nitroaniline	2.06	U	0.050	2.06
534-52-1	2-Methyl-4,6-dinitrophenol	2.06	U	0.041	2.06
101-55-3	4-Bromophenyl-phenylether	0.413	U	0.036	0.413
59-50-7	4-Chloro-3-methylphenol	0.413	U	0.033	0.413
106-47-8	4-Chloroaniline	0.413	U	0.041	0.413
7005-72-3	4-Chlorophenyl-phenylether	0.413	U	0.046	0.413
100-01-6	4-Nitroaniline	2.06	U	0.077	2.06
100-02-7	4-Nitrophenol	2.06	U	0.143	2.06
83-32-9	Acenaphthene	0.083	U	0.023	0.083
208-96-8	Acenaphthylene	0.083	U	0.014	0.083
98-86-2	Acetophenone	0.413	U	0.026	0.413
62-53-3	Aniline	0.413	U	0.022	0.413
120-12-7	Anthracene	0.083	U	0.015	0.083
1912-24-9	Atrazine (Aatrex)	0.826	U	0.061	0.826
100-52-7	Benzaldehyde	0.826	U	0.037	0.826

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 20.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-2-WEST

Contract:

Lab File ID: 2110114/e7985

Lab Sample ID: 21101140506

Date Collected: 01/13/11 Time: 1505

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1819

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.06	U	2.06	2.06
56-55-3	Benzo(a)anthracene	0.083	U	0.018	0.083
50-32-8	Benzo(a)pyrene	0.083	U	0.024	0.083
205-99-2	Benzo(b)fluoranthene	0.413	U	0.013	0.413
191-24-2	Benzo(g,h,i)perylene	0.413	U	0.011	0.413
207-08-9	Benzo(k)fluoranthene	0.413	U	0.019	0.413
65-85-0	Benzoic acid	2.06	U	0.143	2.06
100-51-6	Benzyl alcohol	0.413	U	0.048	0.413
92-52-4	Biphenyl	0.029	J	0.014	0.413
111-91-1	Bis(2-Chloroethoxy)methane	0.413	U	0.023	0.413
111-44-4	Bis(2-Chloroethyl)ether	0.413	U	0.031	0.413
108-60-1	bis(2-Chloroisopropyl)ether	0.413	U	0.021	0.413
117-81-7	bis(2-ethylhexyl)phthalate	0.112		0.016	0.083
85-68-7	Butylbenzylphthalate	0.413	U	0.00871	0.413
105-60-2	Caprolactam	0.413	U	0.044	0.413
86-74-8	Carbazole	0.413	U	0.030	0.413
218-01-9	Chrysene	0.413	U	0.014	0.413
84-74-2	Di-n-butylphthalate	0.015	J	0.00997	0.413
117-84-0	Di-n-octylphthalate	0.413	U	0.014	0.413
53-70-3	Dibenz(a,h)anthracene	0.083	U	0.011	0.083
132-64-9	Dibenzofuran	0.413	U	0.014	0.413
84-66-2	Diethylphthalate	0.413	U	0.038	0.413
131-11-3	Dimethyl-phthalate	0.413	U	0.00914	0.413
206-44-0	Fluoranthene	0.413	U	0.00913	0.413
86-73-7	Fluorene	0.020	J	0.013	0.083
118-74-1	Hexachlorobenzene	0.413	U	0.049	0.413
77-47-4	Hexachlorocyclopentadiene	0.413	U	0.062	0.413
67-72-1	Hexachloroethane	0.413	U	0.061	0.413
193-39-5	Indeno(1,2,3-cd)pyrene	0.413	U	0.017	0.413

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 20.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-2-WEST

Contract:

Lab File ID: 2110114/e7985

Lab Sample ID: 21101140506

Date Collected: 01/13/11 Time: 1505

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1819

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.413	U	0.014	0.413
98-95-3	Nitrobenzene	0.413	U	0.019	0.413
87-86-5	Pentachlorophenol	2.06	U	0.034	2.06
85-01-8	Phenanthrene	0.024	J	0.017	0.083
108-95-2	Phenol	0.413	U	0.020	0.413
129-00-0	Pyrene	0.413	U	0.058	0.413
110-86-1	Pyridine	0.413	U	0.023	0.413
1319-77-3M	m,p-Cresol	0.413	U	0.073	0.413
621-64-7	N-Nitroso-di-n-propylamine	0.083	U	0.021	0.083
62-75-9	N-Nitrosodimethylamine	0.413	U	0.021	0.413
86-30-6	N-Nitrosodiphenylamine	0.413	U	0.013	0.413
95-48-7	o-Cresol	0.413	U	0.013	0.413

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 26.0 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: T-6-FLOOR

Contract:

Lab File ID: 2110114/e7986

Lab Sample ID: 21101140507

Date Collected: 01/13/11 Time: 1535

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1836

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.445	U	0.010	0.445
95-95-4	2,4,5-Trichlorophenol	0.445	U	0.053	0.445
88-06-2	2,4,6-Trichlorophenol	0.445	U	0.070	0.445
120-83-2	2,4-Dichlorophenol	0.445	U	0.072	0.445
105-67-9	2,4-Dimethylphenol	0.445	U	0.057	0.445
51-28-5	2,4-Dinitrophenol	2.22	U	0.238	2.22
121-14-2	2,4-Dinitrotoluene	0.445	U	0.063	0.445
606-20-2	2,6-Dinitrotoluene	0.445	U	0.026	0.445
91-58-7	2-Chloronaphthalene	0.445	U	0.024	0.445
95-57-8	2-Chlorophenol	0.445	U	0.034	0.445
91-57-6	2-Methylnaphthalene	0.089	U	0.024	0.089
88-74-4	2-Nitroaniline	2.22	U	0.050	2.22
88-75-5	2-Nitrophenol	0.445	U	0.020	0.445
91-94-1	3,3'-Dichlorobenzidine	0.889	U	0.284	0.889
99-09-2	3-Nitroaniline	2.22	U	0.054	2.22
534-52-1	2-Methyl-4,6-dinitrophenol	2.22	U	0.044	2.22
101-55-3	4-Bromophenyl-phenylether	0.445	U	0.039	0.445
59-50-7	4-Chloro-3-methylphenol	0.445	U	0.035	0.445
106-47-8	4-Chloroaniline	0.445	U	0.044	0.445
7005-72-3	4-Chlorophenyl-phenylether	0.445	U	0.049	0.445
100-01-6	4-Nitroaniline	2.22	U	0.083	2.22
100-02-7	4-Nitrophenol	2.22	U	0.154	2.22
83-32-9	Acenaphthene	0.089	U	0.025	0.089
208-96-8	Acenaphthylene	0.089	U	0.015	0.089
98-86-2	Acetophenone	0.046	J	0.028	0.445
62-53-3	Aniline	0.445	U	0.024	0.445
120-12-7	Anthracene	0.089	U	0.016	0.089
1912-24-9	Atrazine (Aatrex)	0.889	U	0.066	0.889
100-52-7	Benzaldehyde	0.889	U	0.040	0.889

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 26.0 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: T-6-FLOOR

Contract:

Lab File ID: 2110114/e7986

Lab Sample ID: 21101140507

Date Collected: 01/13/11 Time: 1535

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1836

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.22	U	2.22	2.22
56-55-3	Benzo(a)anthracene	0.089	U	0.019	0.089
50-32-8	Benzo(a)pyrene	0.089	U	0.026	0.089
205-99-2	Benzo(b)fluoranthene	0.445	U	0.014	0.445
191-24-2	Benzo(g,h,i)perylene	0.445	U	0.012	0.445
207-08-9	Benzo(k)fluoranthene	0.445	U	0.020	0.445
65-85-0	Benzoic acid	2.22	U	0.154	2.22
100-51-6	Benzyl alcohol	0.445	U	0.052	0.445
92-52-4	Biphenyl	0.445	U	0.015	0.445
111-91-1	Bis(2-Chloroethoxy)methane	0.445	U	0.025	0.445
111-44-4	Bis(2-Chloroethyl)ether	0.445	U	0.034	0.445
108-60-1	bis(2-Chloroisopropyl)ether	0.445	U	0.023	0.445
117-81-7	bis(2-ethylhexyl)phthalate	0.089	U	0.017	0.089
85-68-7	Butylbenzylphthalate	0.445	U	0.00938	0.445
105-60-2	Caprolactam	0.445	U	0.047	0.445
86-74-8	Carbazole	0.445	U	0.032	0.445
218-01-9	Chrysene	0.445	U	0.015	0.445
84-74-2	Di-n-butylphthalate	0.013	J	0.011	0.445
117-84-0	Di-n-octylphthalate	0.445	U	0.015	0.445
53-70-3	Dibenz(a,h)anthracene	0.089	U	0.012	0.089
132-64-9	Dibenzofuran	0.445	U	0.015	0.445
84-66-2	Diethylphthalate	0.445	U	0.041	0.445
131-11-3	Dimethyl-phthalate	0.445	U	0.00985	0.445
206-44-0	Fluoranthene	0.445	U	0.00984	0.445
86-73-7	Fluorene	0.089	U	0.014	0.089
118-74-1	Hexachlorobenzene	0.445	U	0.053	0.445
77-47-4	Hexachlorocyclopentadiene	0.445	U	0.066	0.445
67-72-1	Hexachloroethane	0.445	U	0.066	0.445
193-39-5	Indeno(1,2,3-cd)pyrene	0.445	U	0.018	0.445

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 26.0 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: T-6-FLOOR

Contract:

Lab File ID: 2110114/e7986

Lab Sample ID: 21101140507

Date Collected: 01/13/11 Time: 1535

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1836

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.445	U	0.015	0.445
98-95-3	Nitrobenzene	0.445	U	0.021	0.445
87-86-5	Pentachlorophenol	2.22	U	0.036	2.22
85-01-8	Phenanthrene	0.089	U	0.018	0.089
108-95-2	Phenol	0.445	U	0.022	0.445
129-00-0	Pyrene	0.445	U	0.062	0.445
110-86-1	Pyridine	0.445	U	0.025	0.445
1319-77-3M	m,p-Cresol	0.445	U	0.078	0.445
621-64-7	N-Nitroso-di-n-propylamine	0.089	U	0.023	0.089
62-75-9	N-Nitrosodimethylamine	0.445	U	0.023	0.445
86-30-6	N-Nitrosodiphenylamine	0.445	U	0.014	0.445
95-48-7	o-Cresol	0.445	U	0.014	0.445

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 26.5 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: T-6-EAST

Contract:

Lab File ID: 2110114/e7987

Lab Sample ID: 21101140508

Date Collected: 01/13/11 Time: 1555

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1853

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.449	U	0.010	0.449
95-95-4	2,4,5-Trichlorophenol	0.449	U	0.054	0.449
88-06-2	2,4,6-Trichlorophenol	0.449	U	0.070	0.449
120-83-2	2,4-Dichlorophenol	0.449	U	0.072	0.449
105-67-9	2,4-Dimethylphenol	0.449	U	0.057	0.449
51-28-5	2,4-Dinitrophenol	2.24	U	0.241	2.24
121-14-2	2,4-Dinitrotoluene	0.449	U	0.063	0.449
606-20-2	2,6-Dinitrotoluene	0.449	U	0.027	0.449
91-58-7	2-Chloronaphthalene	0.449	U	0.024	0.449
95-57-8	2-Chlorophenol	0.449	U	0.035	0.449
91-57-6	2-Methylnaphthalene	1.29		0.024	0.090
88-74-4	2-Nitroaniline	2.24	U	0.050	2.24
88-75-5	2-Nitrophenol	0.449	U	0.021	0.449
91-94-1	3,3'-Dichlorobenzidine	0.898	U	0.287	0.898
99-09-2	3-Nitroaniline	2.24	U	0.055	2.24
534-52-1	2-Methyl-4,6-dinitrophenol	2.24	U	0.044	2.24
101-55-3	4-Bromophenyl-phenylether	0.449	U	0.040	0.449
59-50-7	4-Chloro-3-methylphenol	0.449	U	0.035	0.449
106-47-8	4-Chloroaniline	0.449	U	0.045	0.449
7005-72-3	4-Chlorophenyl-phenylether	0.449	U	0.050	0.449
100-01-6	4-Nitroaniline	2.24	U	0.084	2.24
100-02-7	4-Nitrophenol	2.24	U	0.155	2.24
83-32-9	Acenaphthene	0.233		0.025	0.090
208-96-8	Acenaphthylene	0.574		0.015	0.090
98-86-2	Acetophenone	0.951		0.028	0.449
62-53-3	Aniline	0.449	U	0.024	0.449
120-12-7	Anthracene	0.072	J	0.016	0.090
1912-24-9	Atrazine (Aatrex)	0.898	U	0.066	0.898
100-52-7	Benzaldehyde	0.898	U	0.040	0.898

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 26.5 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: T-6-EAST

Contract:

Lab File ID: 2110114/e7987

Lab Sample ID: 21101140508

Date Collected: 01/13/11 Time: 1555

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1853

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.24	U	2.24	2.24
56-55-3	Benzo(a)anthracene	0.090	U	0.019	0.090
50-32-8	Benzo(a)pyrene	0.090	U	0.026	0.090
205-99-2	Benzo(b)fluoranthene	0.449	U	0.014	0.449
191-24-2	Benzo(g,h,i)perylene	0.449	U	0.012	0.449
207-08-9	Benzo(k)fluoranthene	0.449	U	0.021	0.449
65-85-0	Benzoic acid	2.24	U	0.155	2.24
100-51-6	Benzyl alcohol	0.449	U	0.052	0.449
92-52-4	Biphenyl	0.435	J	0.015	0.449
111-91-1	Bis(2-Chloroethoxy)methane	0.449	U	0.025	0.449
111-44-4	Bis(2-Chloroethyl)ether	0.449	U	0.034	0.449
108-60-1	bis(2-Chloroisopropyl)ether	0.449	U	0.023	0.449
117-81-7	bis(2-ethylhexyl)phthalate	0.090	U	0.017	0.090
85-68-7	Butylbenzylphthalate	0.449	U	0.00947	0.449
105-60-2	Caprolactam	0.449	U	0.048	0.449
86-74-8	Carbazole	0.449	U	0.032	0.449
218-01-9	Chrysene	0.449	U	0.015	0.449
84-74-2	Di-n-butylphthalate	0.449	U	0.011	0.449
117-84-0	Di-n-octylphthalate	0.449	U	0.015	0.449
53-70-3	Dibenz(a,h)anthracene	0.090	U	0.012	0.090
132-64-9	Dibenzofuran	0.449	U	0.016	0.449
84-66-2	Diethylphthalate	0.449	U	0.041	0.449
131-11-3	Dimethyl-phthalate	0.449	U	0.00994	0.449
206-44-0	Fluoranthene	0.040	J	0.00993	0.449
86-73-7	Fluorene	0.268		0.014	0.090
118-74-1	Hexachlorobenzene	0.449	U	0.054	0.449
77-47-4	Hexachlorocyclopentadiene	0.449	U	0.067	0.449
67-72-1	Hexachloroethane	0.449	U	0.067	0.449
193-39-5	Indeno(1,2,3-cd)pyrene	0.449	U	0.018	0.449

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 26.5 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: T-6-EAST

Contract:

Lab File ID: 2110114/e7987

Lab Sample ID: 21101140508

Date Collected: 01/13/11 Time: 1555

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1853

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.449	U	0.015	0.449
98-95-3	Nitrobenzene	0.449	U	0.021	0.449
87-86-5	Pentachlorophenol	2.24	U	0.037	2.24
85-01-8	Phenanthrene	0.290		0.018	0.090
108-95-2	Phenol	0.449	U	0.022	0.449
129-00-0	Pyrene	0.063	J	0.063	0.449
110-86-1	Pyridine	0.449	U	0.025	0.449
1319-77-3M	m,p-Cresol	0.174	J	0.079	0.449
621-64-7	N-Nitroso-di-n-propylamine	0.090	U	0.023	0.090
62-75-9	N-Nitrosodimethylamine	0.449	U	0.023	0.449
86-30-6	N-Nitrosodiphenylamine	0.449	U	0.014	0.449
95-48-7	o-Cresol	0.156	J	0.014	0.449

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.4 Units: g

Level: (low/med) LOW

% Moisture: 26.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-6-SOUTH

Contract:

Lab File ID: 2110114/e7988

Lab Sample ID: 21101140509

Date Collected: 01/13/11 Time: 1615

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1909

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.441	U	0.010	0.441
95-95-4	2,4,5-Trichlorophenol	0.441	U	0.053	0.441
88-06-2	2,4,6-Trichlorophenol	0.441	U	0.069	0.441
120-83-2	2,4-Dichlorophenol	0.441	U	0.071	0.441
105-67-9	2,4-Dimethylphenol	0.441	U	0.056	0.441
51-28-5	2,4-Dinitrophenol	2.20	U	0.236	2.20
121-14-2	2,4-Dinitrotoluene	0.441	U	0.062	0.441
606-20-2	2,6-Dinitrotoluene	0.441	U	0.026	0.441
91-58-7	2-Chloronaphthalene	0.441	U	0.024	0.441
95-57-8	2-Chlorophenol	0.441	U	0.034	0.441
91-57-6	2-Methylnaphthalene	0.550		0.024	0.088
88-74-4	2-Nitroaniline	2.20	U	0.050	2.20
88-75-5	2-Nitrophenol	0.441	U	0.020	0.441
91-94-1	3,3'-Dichlorobenzidine	0.882	U	0.282	0.882
99-09-2	3-Nitroaniline	2.20	U	0.054	2.20
534-52-1	2-Methyl-4,6-dinitrophenol	2.20	U	0.043	2.20
101-55-3	4-Bromophenyl-phenylether	0.441	U	0.039	0.441
59-50-7	4-Chloro-3-methylphenol	0.441	U	0.035	0.441
106-47-8	4-Chloroaniline	0.441	U	0.044	0.441
7005-72-3	4-Chlorophenyl-phenylether	0.441	U	0.049	0.441
100-01-6	4-Nitroaniline	2.20	U	0.082	2.20
100-02-7	4-Nitrophenol	2.20	U	0.152	2.20
83-32-9	Acenaphthene	0.084	J	0.025	0.088
208-96-8	Acenaphthylene	0.037	J	0.015	0.088
98-86-2	Acetophenone	0.487		0.027	0.441
62-53-3	Aniline	0.441	U	0.024	0.441
120-12-7	Anthracene	0.088	U	0.015	0.088
1912-24-9	Atrazine (Aatrex)	0.882	U	0.065	0.882
100-52-7	Benzaldehyde	0.882	U	0.040	0.882

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.4 Units: g

Level: (low/med) LOW

% Moisture: 26.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-6-SOUTH

Contract:

Lab File ID: 2110114/e7988

Lab Sample ID: 21101140509

Date Collected: 01/13/11 Time: 1615

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1909

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.20	U	2.20	2.20
56-55-3	Benzo(a)anthracene	0.088	U	0.019	0.088
50-32-8	Benzo(a)pyrene	0.088	U	0.025	0.088
205-99-2	Benzo(b)fluoranthene	0.441	U	0.014	0.441
191-24-2	Benzo(g,h,i)perylene	0.441	U	0.012	0.441
207-08-9	Benzo(k)fluoranthene	0.441	U	0.020	0.441
65-85-0	Benzoic acid	2.20	U	0.152	2.20
100-51-6	Benzyl alcohol	0.441	U	0.051	0.441
92-52-4	Biphenyl	0.180	J	0.015	0.441
111-91-1	Bis(2-Chloroethoxy)methane	0.441	U	0.024	0.441
111-44-4	Bis(2-Chloroethyl)ether	0.441	U	0.033	0.441
108-60-1	bis(2-Chloroisopropyl)ether	0.441	U	0.023	0.441
117-81-7	bis(2-ethylhexyl)phthalate	0.088	U	0.017	0.088
85-68-7	Butylbenzylphthalate	0.441	U	0.00930	0.441
105-60-2	Caprolactam	0.441	U	0.047	0.441
86-74-8	Carbazole	0.441	U	0.032	0.441
218-01-9	Chrysene	0.441	U	0.015	0.441
84-74-2	Di-n-butylphthalate	0.017	J	0.011	0.441
117-84-0	Di-n-octylphthalate	0.441	U	0.014	0.441
53-70-3	Dibenz(a,h)anthracene	0.088	U	0.012	0.088
132-64-9	Dibenzofuran	0.441	U	0.015	0.441
84-66-2	Diethylphthalate	0.441	U	0.041	0.441
131-11-3	Dimethyl-phthalate	0.441	U	0.00976	0.441
206-44-0	Fluoranthene	0.048	J	0.00975	0.441
86-73-7	Fluorene	0.106		0.013	0.088
118-74-1	Hexachlorobenzene	0.441	U	0.053	0.441
77-47-4	Hexachlorocyclopentadiene	0.441	U	0.066	0.441
67-72-1	Hexachloroethane	0.441	U	0.065	0.441
193-39-5	Indeno(1,2,3-cd)pyrene	0.441	U	0.018	0.441

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.4 Units: g

Level: (low/med) LOW

% Moisture: 26.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-6-SOUTH

Contract:

Lab File ID: 2110114/e7988

Lab Sample ID: 21101140509

Date Collected: 01/13/11 Time: 1615

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1909

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.441	U	0.014	0.441
98-95-3	Nitrobenzene	0.441	U	0.020	0.441
87-86-5	Pentachlorophenol	2.20	U	0.036	2.20
85-01-8	Phenanthrene	0.129		0.018	0.088
108-95-2	Phenol	0.441	U	0.021	0.441
129-00-0	Pyrene	0.441	U	0.062	0.441
110-86-1	Pyridine	0.441	U	0.025	0.441
1319-77-3M	m,p-Cresol	0.118	J	0.078	0.441
621-64-7	N-Nitroso-di-n-propylamine	0.088	U	0.022	0.088
62-75-9	N-Nitrosodimethylamine	0.441	U	0.023	0.441
86-30-6	N-Nitrosodiphenylamine	0.441	U	0.014	0.441
95-48-7	o-Cresol	0.097	J	0.013	0.441

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 22.5 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-6-NORTH

Contract:

Lab File ID: 2110114/e7989

Lab Sample ID: 21101140510

Date Collected: 01/13/11 Time: 1625

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1926

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.423	U	0.00962	0.423
95-95-4	2,4,5-Trichlorophenol	0.423	U	0.050	0.423
88-06-2	2,4,6-Trichlorophenol	0.423	U	0.066	0.423
120-83-2	2,4-Dichlorophenol	0.423	U	0.068	0.423
105-67-9	2,4-Dimethylphenol	0.423	U	0.054	0.423
51-28-5	2,4-Dinitrophenol	2.11	U	0.227	2.11
121-14-2	2,4-Dinitrotoluene	0.423	U	0.060	0.423
606-20-2	2,6-Dinitrotoluene	0.423	U	0.025	0.423
91-58-7	2-Chloronaphthalene	0.423	U	0.023	0.423
95-57-8	2-Chlorophenol	0.423	U	0.033	0.423
91-57-6	2-Methylnaphthalene	0.085	U	0.023	0.085
88-74-4	2-Nitroaniline	2.11	U	0.048	2.11
88-75-5	2-Nitrophenol	0.423	U	0.019	0.423
91-94-1	3,3'-Dichlorobenzidine	0.846	U	0.270	0.846
99-09-2	3-Nitroaniline	2.11	U	0.052	2.11
534-52-1	2-Methyl-4,6-dinitrophenol	2.11	U	0.042	2.11
101-55-3	4-Bromophenyl-phenylether	0.423	U	0.037	0.423
59-50-7	4-Chloro-3-methylphenol	0.423	U	0.033	0.423
106-47-8	4-Chloroaniline	0.423	U	0.042	0.423
7005-72-3	4-Chlorophenyl-phenylether	0.423	U	0.047	0.423
100-01-6	4-Nitroaniline	2.11	U	0.079	2.11
100-02-7	4-Nitrophenol	2.11	U	0.146	2.11
83-32-9	Acenaphthene	0.085	U	0.024	0.085
208-96-8	Acenaphthylene	0.040	J	0.014	0.085
98-86-2	Acetophenone	0.423	U	0.026	0.423
62-53-3	Aniline	0.423	U	0.023	0.423
120-12-7	Anthracene	0.085	U	0.015	0.085
1912-24-9	Atrazine (Aatrex)	0.846	U	0.063	0.846
100-52-7	Benzaldehyde	0.846	U	0.038	0.846

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 22.5 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-6-NORTH

Contract:

Lab File ID: 2110114/e7989

Lab Sample ID: 21101140510

Date Collected: 01/13/11 Time: 1625

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1926

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.11	U	2.11	2.11
56-55-3	Benzo(a)anthracene	0.085	U	0.018	0.085
50-32-8	Benzo(a)pyrene	0.085	U	0.024	0.085
205-99-2	Benzo(b)fluoranthene	0.423	U	0.013	0.423
191-24-2	Benzo(g,h,i)perylene	0.181	J	0.012	0.423
207-08-9	Benzo(k)fluoranthene	0.423	U	0.019	0.423
65-85-0	Benzoic acid	2.11	U	0.146	2.11
100-51-6	Benzyl alcohol	0.423	U	0.049	0.423
92-52-4	Biphenyl	0.423	U	0.014	0.423
111-91-1	Bis(2-Chloroethoxy)methane	0.423	U	0.023	0.423
111-44-4	Bis(2-Chloroethyl)ether	0.423	U	0.032	0.423
108-60-1	bis(2-Chloroisopropyl)ether	0.423	U	0.022	0.423
117-81-7	bis(2-ethylhexyl)phthalate	0.115		0.016	0.085
85-68-7	Butylbenzylphthalate	0.423	U	0.00892	0.423
105-60-2	Caprolactam	0.423	U	0.045	0.423
86-74-8	Carbazole	0.423	U	0.030	0.423
218-01-9	Chrysene	0.023	J	0.014	0.423
84-74-2	Di-n-butylphthalate	0.423	U	0.010	0.423
117-84-0	Di-n-octylphthalate	0.423	U	0.014	0.423
53-70-3	Dibenz(a,h)anthracene	0.085	U	0.012	0.085
132-64-9	Dibenzofuran	0.423	U	0.015	0.423
84-66-2	Diethylphthalate	0.044	J	0.039	0.423
131-11-3	Dimethyl-phthalate	0.423	U	0.00937	0.423
206-44-0	Fluoranthene	0.015	J	0.00935	0.423
86-73-7	Fluorene	0.085	U	0.013	0.085
118-74-1	Hexachlorobenzene	0.423	U	0.051	0.423
77-47-4	Hexachlorocyclopentadiene	0.423	U	0.063	0.423
67-72-1	Hexachloroethane	0.423	U	0.063	0.423
193-39-5	Indeno(1,2,3-cd)pyrene	0.423	U	0.017	0.423

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 22.5 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: T-6-NORTH

Contract:

Lab File ID: 2110114/e7989

Lab Sample ID: 21101140510

Date Collected: 01/13/11 Time: 1625

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1926

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.423	U	0.014	0.423
98-95-3	Nitrobenzene	0.423	U	0.020	0.423
87-86-5	Pentachlorophenol	2.11	U	0.035	2.11
85-01-8	Phenanthrene	0.019	J	0.017	0.085
108-95-2	Phenol	0.092	J	0.020	0.423
129-00-0	Pyrene	0.423	U	0.059	0.423
110-86-1	Pyridine	0.423	U	0.024	0.423
1319-77-3M	m,p-Cresol	0.423	U	0.074	0.423
621-64-7	N-Nitroso-di-n-propylamine	0.085	U	0.021	0.085
62-75-9	N-Nitrosodimethylamine	0.423	U	0.022	0.423
86-30-6	N-Nitrosodiphenylamine	0.423	U	0.013	0.423
95-48-7	o-Cresol	0.423	U	0.013	0.423

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 24.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: BLIND DUP

Contract:

Lab File ID: 2110114/e7990

Lab Sample ID: 21101140511

Date Collected: 01/13/11 Time: 0000

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1943

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.434	U	0.00987	0.434
95-95-4	2,4,5-Trichlorophenol	0.434	U	0.052	0.434
88-06-2	2,4,6-Trichlorophenol	0.434	U	0.068	0.434
120-83-2	2,4-Dichlorophenol	0.434	U	0.070	0.434
105-67-9	2,4-Dimethylphenol	0.434	U	0.055	0.434
51-28-5	2,4-Dinitrophenol	2.17	U	0.233	2.17
121-14-2	2,4-Dinitrotoluene	0.434	U	0.061	0.434
606-20-2	2,6-Dinitrotoluene	0.434	U	0.026	0.434
91-58-7	2-Chloronaphthalene	0.434	U	0.024	0.434
95-57-8	2-Chlorophenol	0.434	U	0.033	0.434
91-57-6	2-Methylnaphthalene	0.591		0.023	0.087
88-74-4	2-Nitroaniline	2.17	U	0.049	2.17
88-75-5	2-Nitrophenol	0.434	U	0.020	0.434
91-94-1	3,3'-Dichlorobenzidine	0.867	U	0.277	0.867
99-09-2	3-Nitroaniline	2.17	U	0.053	2.17
534-52-1	2-Methyl-4,6-dinitrophenol	2.17	U	0.043	2.17
101-55-3	4-Bromophenyl-phenylether	0.434	U	0.038	0.434
59-50-7	4-Chloro-3-methylphenol	0.434	U	0.034	0.434
106-47-8	4-Chloroaniline	0.434	U	0.043	0.434
7005-72-3	4-Chlorophenyl-phenylether	0.434	U	0.048	0.434
100-01-6	4-Nitroaniline	2.17	U	0.081	2.17
100-02-7	4-Nitrophenol	2.17	U	0.150	2.17
83-32-9	Acenaphthene	0.097		0.025	0.087
208-96-8	Acenaphthylene	0.285		0.015	0.087
98-86-2	Acetophenone	0.819		0.027	0.434
62-53-3	Aniline	0.434	U	0.023	0.434
120-12-7	Anthracene	0.038	J	0.015	0.087
1912-24-9	Atrazine (Aatrex)	0.867	U	0.064	0.867
100-52-7	Benzaldehyde	0.867	U	0.039	0.867

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 24.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: BLIND DUP

Contract:

Lab File ID: 2110114/e7990

Lab Sample ID: 21101140511

Date Collected: 01/13/11 Time: 0000

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1943

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.17	U	2.17	2.17
56-55-3	Benzo(a)anthracene	0.087	U	0.019	0.087
50-32-8	Benzo(a)pyrene	0.087	U	0.025	0.087
205-99-2	Benzo(b)fluoranthene	0.434	U	0.014	0.434
191-24-2	Benzo(g,h,i)perylene	0.434	U	0.012	0.434
207-08-9	Benzo(k)fluoranthene	0.434	U	0.020	0.434
65-85-0	Benzoic acid	2.17	U	0.150	2.17
100-51-6	Benzyl alcohol	0.434	U	0.050	0.434
92-52-4	Biphenyl	0.202	J	0.014	0.434
111-91-1	Bis(2-Chloroethoxy)methane	0.434	U	0.024	0.434
111-44-4	Bis(2-Chloroethyl)ether	0.434	U	0.033	0.434
108-60-1	bis(2-Chloroisopropyl)ether	0.434	U	0.022	0.434
117-81-7	bis(2-ethylhexyl)phthalate	0.087	U	0.017	0.087
85-68-7	Butylbenzylphthalate	0.434	U	0.00914	0.434
105-60-2	Caprolactam	0.434	U	0.046	0.434
86-74-8	Carbazole	0.434	U	0.031	0.434
218-01-9	Chrysene	0.434	U	0.015	0.434
84-74-2	Di-n-butylphthalate	0.434	U	0.010	0.434
117-84-0	Di-n-octylphthalate	0.434	U	0.014	0.434
53-70-3	Dibenz(a,h)anthracene	0.087	U	0.012	0.087
132-64-9	Dibenzofuran	0.434	U	0.015	0.434
84-66-2	Diethylphthalate	0.040	J	0.040	0.434
131-11-3	Dimethyl-phthalate	0.434	U	0.00960	0.434
206-44-0	Fluoranthene	0.030	J	0.00959	0.434
86-73-7	Fluorene	0.138		0.013	0.087
118-74-1	Hexachlorobenzene	0.434	U	0.052	0.434
77-47-4	Hexachlorocyclopentadiene	0.434	U	0.065	0.434
67-72-1	Hexachloroethane	0.434	U	0.064	0.434
193-39-5	Indeno(1,2,3-cd)pyrene	0.434	U	0.017	0.434

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 Units: g

Level: (low/med) LOW

% Moisture: 24.1 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: BLIND DUP

Contract:

Lab File ID: 2110114/e7990

Lab Sample ID: 21101140511

Date Collected: 01/13/11 Time: 0000

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1943

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.434	U	0.014	0.434
98-95-3	Nitrobenzene	0.434	U	0.020	0.434
87-86-5	Pentachlorophenol	2.17	U	0.035	2.17
85-01-8	Phenanthrene	0.158		0.018	0.087
108-95-2	Phenol	0.434	U	0.021	0.434
129-00-0	Pyrene	0.434	U	0.061	0.434
110-86-1	Pyridine	0.434	U	0.024	0.434
1319-77-3M	m,p-Cresol	0.179	J	0.076	0.434
621-64-7	N-Nitroso-di-n-propylamine	0.087	U	0.022	0.087
62-75-9	N-Nitrosodimethylamine	0.434	U	0.022	0.434
86-30-6	N-Nitrosodiphenylamine	0.434	U	0.014	0.434
95-48-7	o-Cresol	0.161	J	0.013	0.434

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 23.5 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: SC-W

Contract:

Lab File ID: 2110114/e7991

Lab Sample ID: 21101140512

Date Collected: 01/13/11 Time: 1645

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 2000

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.431	U	0.00981	0.431
95-95-4	2,4,5-Trichlorophenol	0.431	U	0.051	0.431
88-06-2	2,4,6-Trichlorophenol	0.431	U	0.068	0.431
120-83-2	2,4-Dichlorophenol	0.431	U	0.069	0.431
105-67-9	2,4-Dimethylphenol	0.431	U	0.055	0.431
51-28-5	2,4-Dinitrophenol	2.16	U	0.231	2.16
121-14-2	2,4-Dinitrotoluene	0.431	U	0.061	0.431
606-20-2	2,6-Dinitrotoluene	0.431	U	0.025	0.431
91-58-7	2-Chloronaphthalene	0.431	U	0.023	0.431
95-57-8	2-Chlorophenol	0.431	U	0.033	0.431
91-57-6	2-Methylnaphthalene	0.086	U	0.023	0.086
88-74-4	2-Nitroaniline	2.16	U	0.048	2.16
88-75-5	2-Nitrophenol	0.431	U	0.020	0.431
91-94-1	3,3'-Dichlorobenzidine	0.862	U	0.276	0.862
99-09-2	3-Nitroaniline	2.16	U	0.053	2.16
534-52-1	2-Methyl-4,6-dinitrophenol	2.16	U	0.042	2.16
101-55-3	4-Bromophenyl-phenylether	0.431	U	0.038	0.431
59-50-7	4-Chloro-3-methylphenol	0.431	U	0.034	0.431
106-47-8	4-Chloroaniline	0.431	U	0.043	0.431
7005-72-3	4-Chlorophenyl-phenylether	0.431	U	0.048	0.431
100-01-6	4-Nitroaniline	2.16	U	0.080	2.16
100-02-7	4-Nitrophenol	2.16	U	0.149	2.16
83-32-9	Acenaphthene	0.086	U	0.024	0.086
208-96-8	Acenaphthylene	0.045	J	0.015	0.086
98-86-2	Acetophenone	0.431	U	0.027	0.431
62-53-3	Aniline	0.431	U	0.023	0.431
120-12-7	Anthracene	0.053	J	0.015	0.086
1912-24-9	Atrazine (Aatrex)	0.862	U	0.064	0.862
100-52-7	Benzaldehyde	0.862	U	0.039	0.862

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 23.5 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: SC-W

Contract:

Lab File ID: 2110114/e7991

Lab Sample ID: 21101140512

Date Collected: 01/13/11 Time: 1645

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 2000

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.16	U	2.16	2.16
56-55-3	Benzo(a)anthracene	0.094		0.018	0.086
50-32-8	Benzo(a)pyrene	0.103		0.025	0.086
205-99-2	Benzo(b)fluoranthene	0.293	J	0.013	0.431
191-24-2	Benzo(g,h,i)perylene	0.328	J	0.012	0.431
207-08-9	Benzo(k)fluoranthene	0.065	J	0.020	0.431
65-85-0	Benzoic acid	2.16	U	0.149	2.16
100-51-6	Benzyl alcohol	0.431	U	0.050	0.431
92-52-4	Biphenyl	0.431	U	0.014	0.431
111-91-1	Bis(2-Chloroethoxy)methane	0.431	U	0.024	0.431
111-44-4	Bis(2-Chloroethyl)ether	0.431	U	0.033	0.431
108-60-1	bis(2-Chloroisopropyl)ether	0.431	U	0.022	0.431
117-81-7	bis(2-ethylhexyl)phthalate	0.154		0.017	0.086
85-68-7	Butylbenzylphthalate	0.431	U	0.00909	0.431
105-60-2	Caprolactam	0.431	U	0.046	0.431
86-74-8	Carbazole	0.431	U	0.031	0.431
218-01-9	Chrysene	0.133	J	0.015	0.431
84-74-2	Di-n-butylphthalate	0.431	U	0.010	0.431
117-84-0	Di-n-octylphthalate	0.431	U	0.014	0.431
53-70-3	Dibenz(a,h)anthracene	0.086	U	0.012	0.086
132-64-9	Dibenzofuran	0.431	U	0.015	0.431
84-66-2	Diethylphthalate	0.045	J	0.040	0.431
131-11-3	Dimethyl-phthalate	0.431	U	0.00955	0.431
206-44-0	Fluoranthene	0.178	J	0.00954	0.431
86-73-7	Fluorene	0.086	U	0.013	0.086
118-74-1	Hexachlorobenzene	0.431	U	0.052	0.431
77-47-4	Hexachlorocyclopentadiene	0.431	U	0.064	0.431
67-72-1	Hexachloroethane	0.431	U	0.064	0.431
193-39-5	Indeno(1,2,3-cd)pyrene	0.333	J	0.017	0.431

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30 Units: g

Level: (low/med) LOW

% Moisture: 23.5 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: SC-W

Contract:

Lab File ID: 2110114/e7991

Lab Sample ID: 21101140512

Date Collected: 01/13/11 Time: 1645

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 2000

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.431	U	0.014	0.431
98-95-3	Nitrobenzene	0.431	U	0.020	0.431
87-86-5	Pentachlorophenol	2.16	U	0.035	2.16
85-01-8	Phenanthrene	0.105		0.018	0.086
108-95-2	Phenol	0.431	U	0.021	0.431
129-00-0	Pyrene	0.220	J	0.060	0.431
110-86-1	Pyridine	0.431	U	0.024	0.431
1319-77-3M	m,p-Cresol	0.431	U	0.076	0.431
621-64-7	N-Nitroso-di-n-propylamine	0.086	U	0.022	0.086
62-75-9	N-Nitrosodimethylamine	0.431	U	0.022	0.431
86-30-6	N-Nitrosodiphenylamine	0.431	U	0.014	0.431
95-48-7	o-Cresol	0.431	U	0.013	0.431

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 26.3 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: SC-E

Contract:

Lab File ID: 2110114/e7992

Lab Sample ID: 21101140513

Date Collected: 01/13/11 Time: 1655

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 2016

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.445	U	0.010	0.445
95-95-4	2,4,5-Trichlorophenol	0.445	U	0.053	0.445
88-06-2	2,4,6-Trichlorophenol	0.445	U	0.070	0.445
120-83-2	2,4-Dichlorophenol	0.445	U	0.072	0.445
105-67-9	2,4-Dimethylphenol	0.445	U	0.057	0.445
51-28-5	2,4-Dinitrophenol	2.22	U	0.238	2.22
121-14-2	2,4-Dinitrotoluene	0.445	U	0.063	0.445
606-20-2	2,6-Dinitrotoluene	0.445	U	0.026	0.445
91-58-7	2-Chloronaphthalene	0.445	U	0.024	0.445
95-57-8	2-Chlorophenol	0.445	U	0.034	0.445
91-57-6	2-Methylnaphthalene	0.073	J	0.024	0.089
88-74-4	2-Nitroaniline	2.22	U	0.050	2.22
88-75-5	2-Nitrophenol	0.445	U	0.020	0.445
91-94-1	3,3'-Dichlorobenzidine	0.889	U	0.284	0.889
99-09-2	3-Nitroaniline	2.22	U	0.054	2.22
534-52-1	2-Methyl-4,6-dinitrophenol	2.22	U	0.044	2.22
101-55-3	4-Bromophenyl-phenylether	0.445	U	0.039	0.445
59-50-7	4-Chloro-3-methylphenol	0.445	U	0.035	0.445
106-47-8	4-Chloroaniline	0.445	U	0.044	0.445
7005-72-3	4-Chlorophenyl-phenylether	0.445	U	0.049	0.445
100-01-6	4-Nitroaniline	2.22	U	0.083	2.22
100-02-7	4-Nitrophenol	2.22	U	0.154	2.22
83-32-9	Acenaphthene	0.089	U	0.025	0.089
208-96-8	Acenaphthylene	0.089	U	0.015	0.089
98-86-2	Acetophenone	0.445	U	0.028	0.445
62-53-3	Aniline	0.445	U	0.024	0.445
120-12-7	Anthracene	0.025	J	0.016	0.089
1912-24-9	Atrazine (Aatrex)	0.889	U	0.066	0.889
100-52-7	Benzaldehyde	0.889	U	0.040	0.889

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 26.3 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: SC-E

Contract:

Lab File ID: 2110114/e7992

Lab Sample ID: 21101140513

Date Collected: 01/13/11 Time: 1655

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 2016

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	2.22	U	2.22	2.22
56-55-3	Benzo(a)anthracene	0.060	J	0.019	0.089
50-32-8	Benzo(a)pyrene	0.062	J	0.026	0.089
205-99-2	Benzo(b)fluoranthene	0.244	J	0.014	0.445
191-24-2	Benzo(g,h,i)perylene	0.228	J	0.012	0.445
207-08-9	Benzo(k)fluoranthene	0.038	J	0.020	0.445
65-85-0	Benzoic acid	2.22	U	0.154	2.22
100-51-6	Benzyl alcohol	0.445	U	0.052	0.445
92-52-4	Biphenyl	0.445	U	0.015	0.445
111-91-1	Bis(2-Chloroethoxy)methane	0.445	U	0.025	0.445
111-44-4	Bis(2-Chloroethyl)ether	0.445	U	0.034	0.445
108-60-1	bis(2-Chloroisopropyl)ether	0.445	U	0.023	0.445
117-81-7	bis(2-ethylhexyl)phthalate	0.123		0.017	0.089
85-68-7	Butylbenzylphthalate	0.445	U	0.00938	0.445
105-60-2	Caprolactam	0.445	U	0.047	0.445
86-74-8	Carbazole	0.445	U	0.032	0.445
218-01-9	Chrysene	0.081	J	0.015	0.445
84-74-2	Di-n-butylphthalate	0.445	U	0.011	0.445
117-84-0	Di-n-octylphthalate	0.445	U	0.015	0.445
53-70-3	Dibenz(a,h)anthracene	0.089	U	0.012	0.089
132-64-9	Dibenzofuran	0.445	U	0.015	0.445
84-66-2	Diethylphthalate	0.445	U	0.041	0.445
131-11-3	Dimethyl-phthalate	0.445	U	0.00985	0.445
206-44-0	Fluoranthene	0.111	J	0.00984	0.445
86-73-7	Fluorene	0.018	J	0.014	0.089
118-74-1	Hexachlorobenzene	0.445	U	0.053	0.445
77-47-4	Hexachlorocyclopentadiene	0.445	U	0.066	0.445
67-72-1	Hexachloroethane	0.445	U	0.066	0.445
193-39-5	Indeno(1,2,3-cd)pyrene	0.259	J	0.018	0.445

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.2 Units: g

Level: (low/med) LOW

% Moisture: 26.3 decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/kg

Sample ID: SC-E

Contract:

Lab File ID: 2110114/e7992

Lab Sample ID: 21101140513

Date Collected: 01/13/11 Time: 1655

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 2016

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.445	U	0.015	0.445
98-95-3	Nitrobenzene	0.445	U	0.021	0.445
87-86-5	Pentachlorophenol	2.22	U	0.036	2.22
85-01-8	Phenanthrene	0.077	J	0.018	0.089
108-95-2	Phenol	0.445	U	0.022	0.445
129-00-0	Pyrene	0.122	J	0.062	0.445
110-86-1	Pyridine	0.445	U	0.025	0.445
1319-77-3M	m,p-Cresol	0.445	U	0.078	0.445
621-64-7	N-Nitroso-di-n-propylamine	0.089	U	0.022	0.089
62-75-9	N-Nitrosodimethylamine	0.445	U	0.023	0.445
86-30-6	N-Nitrosodiphenylamine	0.445	U	0.014	0.445
95-48-7	o-Cresol	0.445	U	0.014	0.445

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: EQUIPMENT BLANK

Contract:

Lab File ID: 2110114/e7976

Lab Sample ID: 21101140514

Date Collected: 01/13/11 Time: 1710

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1549

Dilution Factor: 1 Analyst: KCB

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448924 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000192	0.010
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000126	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000167	0.010
120-83-2	2,4-Dichlorophenol	0.010	U	0.000210	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.000198	0.010
51-28-5	2,4-Dinitrophenol	0.010	U	0.00305	0.010
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000251	0.010
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000292	0.010
91-58-7	2-Chloronaphthalene	0.010	U	0.000216	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000184	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000213	0.010
88-74-4	2-Nitroaniline	0.010	U	0.000152	0.010
88-75-5	2-Nitrophenol	0.010	U	0.000153	0.010
91-94-1	3,3'-Dichlorobenzidine	0.010	U	0.000168	0.010
99-09-2	3-Nitroaniline	0.010	U	0.00129	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.010	U	0.00244	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000282	0.010
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000273	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000139	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000261	0.010
100-01-6	4-Nitroaniline	0.010	U	0.000231	0.010
100-02-7	4-Nitrophenol	0.010	U	0.000705	0.010
83-32-9	Acenaphthene	0.010	U	0.000204	0.010
208-96-8	Acenaphthylene	0.010	U	0.000119	0.010
98-86-2	Acetophenone	0.010	U	0.000245	0.010
62-53-3	Aniline	0.010	U	0.000212	0.010
120-12-7	Anthracene	0.010	U	0.000159	0.010
1912-24-9	Atrazine (Aatrex)	0.051	U	0.000321	0.051
100-52-7	Benzaldehyde	0.051	U	0.00335	0.051

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: EQUIPMENT BLANK

Contract:

Lab File ID: 2110114/e7976

Lab Sample ID: 21101140514

Date Collected: 01/13/11 Time: 1710

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1549

Dilution Factor: 1 Analyst: KCB

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448924 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-87-5	Benzidine	0.051	U	0.00310	0.051
56-55-3	Benzo(a)anthracene	0.010	U	0.000159	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000123	0.010
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000242	0.010
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000162	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000239	0.010
65-85-0	Benzoic acid	0.010	U	0.00343	0.010
100-51-6	Benzyl alcohol	0.010	U	0.000320	0.010
92-52-4	Biphenyl	0.010	U	0.000140	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000305	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000139	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000139	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.000242	0.010
85-68-7	Butylbenzylphthalate	0.010	U	0.000346	0.010
105-60-2	Caprolactam	0.010	U	0.00118	0.010
86-74-8	Carbazole	0.010	U	0.000211	0.010
218-01-9	Chrysene	0.010	U	0.000267	0.010
84-74-2	Di-n-butylphthalate	0.010	U	0.000145	0.010
117-84-0	Di-n-octylphthalate	0.010	U	0.000263	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000263	0.010
132-64-9	Dibenzofuran	0.010	U	0.000126	0.010
84-66-2	Diethylphthalate	0.010	U	0.000099	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000151	0.010
206-44-0	Fluoranthene	0.010	U	0.000175	0.010
86-73-7	Fluorene	0.010	U	0.000135	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000260	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000132	0.010
67-72-1	Hexachloroethane	0.010	U	0.00111	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000270	0.010

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Water

Sample wt/vol: 990 Units: mL

Level: (low/med) LOW

% Moisture: decanted: (Y/N)

GC Column: RTX-5MS-30 ID: .25 (mm)

Concentrated Extract Volume: 1000 (µL)

Injection Volume: 1.0 (µL)

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: mg/L

Sample ID: EQUIPMENT BLANK

Contract:

Lab File ID: 2110114/e7976

Lab Sample ID: 21101140514

Date Collected: 01/13/11 Time: 1710

Date Received: 01/14/11

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1549

Dilution Factor: 1 Analyst: KCB

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448924 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
78-59-1	Isophorone	0.010	U	0.000119	0.010
98-95-3	Nitrobenzene	0.010	U	0.000222	0.010
87-86-5	Pentachlorophenol	0.010	U	0.00154	0.010
85-01-8	Phenanthrene	0.010	U	0.000152	0.010
108-95-2	Phenol	0.010	U	0.000244	0.010
129-00-0	Pyrene	0.010	U	0.000203	0.010
110-86-1	Pyridine	0.010	U	0.00156	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000335	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000376	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.000520	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000172	0.010
95-48-7	o-Cresol	0.010	U	0.000184	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 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: MB912490

Contract:

Lab File ID: 2110114/e7977

Lab Sample ID: 912490

Date Collected: Time:

Date Received:

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1606

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
208-96-8	Acenaphthylene	0.066	U	0.011	0.066
120-12-7	Anthracene	0.066	U	0.012	0.066
56-55-3	Benzo(a)anthracene	0.066	U	0.014	0.066
92-87-5	Benzidine	1.64	U	1.64	1.64
205-99-2	Benzo(b)fluoranthene	0.329	U	0.010	0.329
207-08-9	Benzo(k)fluoranthene	0.329	U	0.015	0.329
191-24-2	Benzo(g,h,i)perylene	0.329	U	0.00909	0.329
50-32-8	Benzo(a)pyrene	0.066	U	0.019	0.066
65-85-0	Benzoic acid	1.64	U	0.114	1.64
85-68-7	Butylbenzylphthalate	0.329	U	0.00694	0.329
111-91-1	Bis(2-Chloroethoxy)methane	0.329	U	0.018	0.329
111-44-4	Bis(2-Chloroethyl)ether	0.329	U	0.025	0.329
108-60-1	bis(2-Chloroisopropyl)ether	0.329	U	0.017	0.329
117-81-7	bis(2-ethylhexyl)phthalate	0.066	U	0.013	0.066
101-55-3	4-Bromophenyl-phenylether	0.329	U	0.029	0.329
86-74-8	Carbazole	0.329	U	0.024	0.329
7005-72-3	4-Chlorophenyl-phenylether	0.329	U	0.037	0.329
218-01-9	Chrysene	0.329	U	0.011	0.329
53-70-3	Dibenz(a,h)anthracene	0.066	U	0.00903	0.066
132-64-9	Dibenzofuran	0.329	U	0.011	0.329
91-94-1	3,3'-Dichlorobenzidine	0.658	U	0.210	0.658
120-83-2	2,4-Dichlorophenol	0.329	U	0.053	0.329
84-66-2	Diethylphthalate	0.329	U	0.030	0.329
105-67-9	2,4-Dimethylphenol	0.329	U	0.042	0.329
131-11-3	Dimethyl-phthalate	0.329	U	0.00729	0.329
117-84-0	Di-n-octylphthalate	0.329	U	0.011	0.329
51-28-5	2,4-Dinitrophenol	1.64	U	0.176	1.64
606-20-2	2,6-Dinitrotoluene	0.329	U	0.019	0.329
206-44-0	Fluoranthene	0.329	U	0.00728	0.329

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 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: MB912490

Contract:

Lab File ID: 2110114/e7977

Lab Sample ID: 912490

Date Collected: Time:

Date Received:

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1606

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
86-73-7	Fluorene	0.066	U	0.010	0.066
118-74-1	Hexachlorobenzene	0.329	U	0.039	0.329
77-47-4	Hexachlorocyclopentadiene	0.329	U	0.049	0.329
67-72-1	Hexachloroethane	0.329	U	0.049	0.329
78-59-1	Isophorone	0.329	U	0.011	0.329
193-39-5	Indeno(1,2,3-cd)pyrene	0.329	U	0.013	0.329
91-57-6	2-Methylnaphthalene	0.066	U	0.018	0.066
95-48-7	o-Cresol	0.329	U	0.010	0.329
98-95-3	Nitrobenzene	0.329	U	0.015	0.329
88-75-5	2-Nitrophenol	0.329	U	0.015	0.329
62-75-9	N-Nitrosodimethylamine	0.329	U	0.017	0.329
86-30-6	N-Nitrosodiphenylamine	0.329	U	0.010	0.329
85-01-8	Phenanthrene	0.066	U	0.013	0.066
95-95-4	2,4,5-Trichlorophenol	0.329	U	0.039	0.329
88-06-2	2,4,6-Trichlorophenol	0.329	U	0.052	0.329
100-51-6	Benzyl alcohol	0.329	U	0.038	0.329
62-53-3	Aniline	0.329	U	0.018	0.329
110-86-1	Pyridine	0.329	U	0.019	0.329
105-60-2	Caprolactam	0.329	U	0.035	0.329
98-86-2	Acetophenone	0.329	U	0.020	0.329
99-09-2	3-Nitroaniline	1.64	U	0.040	1.64
100-01-6	4-Nitroaniline	1.64	U	0.061	1.64
84-74-2	Di-n-butylphthalate	0.329	U	0.00794	0.329
122-66-7	1,2 Diphenylhydrazine	0.329	U	0.00749	0.329
88-74-4	2-Nitroaniline	1.64	U	0.037	1.64
91-58-7	2-Chloronaphthalene	0.329	U	0.018	0.329
106-47-8	4-Chloroaniline	0.329	U	0.033	0.329
1912-24-9	Atrazine (Aatrex)	0.658	U	0.049	0.658
100-52-7	Benzaldehyde	0.658	U	0.030	0.658

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Matrix: Solid

Sample wt/vol: 30.1 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: MB912490

Contract:

Lab File ID: 2110114/e7977

Lab Sample ID: 912490

Date Collected: Time:

Date Received:

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1606

Dilution Factor: 1 Analyst: KCB

Prep Method: 3550B

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448916 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-52-4	Biphenyl	0.329	U	0.011	0.329
1319-77-3M	m,p-Cresol	0.329	U	0.058	0.329
534-52-1	2-Methyl-4,6-dinitrophenol	1.64	U	0.032	1.64
108-95-2	Phenol	0.329	U	0.016	0.329
95-57-8	2-Chlorophenol	0.329	U	0.025	0.329
621-64-7	N-Nitroso-di-n-propylamine	0.066	U	0.017	0.066
59-50-7	4-Chloro-3-methylphenol	0.329	U	0.026	0.329
83-32-9	Acenaphthene	0.066	U	0.019	0.066
100-02-7	4-Nitrophenol	1.64	U	0.114	1.64
121-14-2	2,4-Dinitrotoluene	0.329	U	0.046	0.329
87-86-5	Pentachlorophenol	1.64	U	0.027	1.64
129-00-0	Pyrene	0.329	U	0.046	0.329

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

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: MB912529

Contract:

Lab File ID: 2110114/e7973

Lab Sample ID: 912529

Date Collected: Time:

Date Received:

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1459

Dilution Factor: 1 Analyst: KCB

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448924 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
208-96-8	Acenaphthylene	0.010	U	0.000118	0.010
120-12-7	Anthracene	0.010	U	0.000157	0.010
56-55-3	Benzo(a)anthracene	0.010	U	0.000157	0.010
92-87-5	Benzidine	0.050	U	0.00307	0.050
205-99-2	Benzo(b)fluoranthene	0.010	U	0.000240	0.010
207-08-9	Benzo(k)fluoranthene	0.010	U	0.000237	0.010
191-24-2	Benzo(g,h,i)perylene	0.010	U	0.000160	0.010
50-32-8	Benzo(a)pyrene	0.010	U	0.000122	0.010
65-85-0	Benzoic acid	0.010	U	0.00340	0.010
85-68-7	Butylbenzylphthalate	0.010	U	0.000343	0.010
111-91-1	Bis(2-Chloroethoxy)methane	0.010	U	0.000302	0.010
111-44-4	Bis(2-Chloroethyl)ether	0.010	U	0.000138	0.010
108-60-1	bis(2-Chloroisopropyl)ether	0.010	U	0.000138	0.010
117-81-7	bis(2-ethylhexyl)phthalate	0.010	U	0.000240	0.010
101-55-3	4-Bromophenyl-phenylether	0.010	U	0.000279	0.010
86-74-8	Carbazole	0.010	U	0.000209	0.010
7005-72-3	4-Chlorophenyl-phenylether	0.010	U	0.000258	0.010
218-01-9	Chrysene	0.010	U	0.000264	0.010
53-70-3	Dibenz(a,h)anthracene	0.010	U	0.000260	0.010
132-64-9	Dibenzofuran	0.010	U	0.000125	0.010
91-94-1	3,3'-Dichlorobenzidine	0.010	U	0.000166	0.010
120-83-2	2,4-Dichlorophenol	0.010	U	0.000208	0.010
84-66-2	Diethylphthalate	0.010	U	0.000098	0.010
105-67-9	2,4-Dimethylphenol	0.010	U	0.000196	0.010
131-11-3	Dimethyl-phthalate	0.010	U	0.000149	0.010
117-84-0	Di-n-octylphthalate	0.010	U	0.000260	0.010
51-28-5	2,4-Dinitrophenol	0.010	U	0.00302	0.010
606-20-2	2,6-Dinitrotoluene	0.010	U	0.000289	0.010
206-44-0	Fluoranthene	0.010	U	0.000173	0.010

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

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: MB912529

Contract:

Lab File ID: 2110114/e7973

Lab Sample ID: 912529

Date Collected: Time:

Date Received:

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1459

Dilution Factor: 1 Analyst: KCB

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448924 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
86-73-7	Fluorene	0.010	U	0.000134	0.010
118-74-1	Hexachlorobenzene	0.010	U	0.000257	0.010
77-47-4	Hexachlorocyclopentadiene	0.010	U	0.000131	0.010
67-72-1	Hexachloroethane	0.010	U	0.00110	0.010
78-59-1	Isophorone	0.010	U	0.000118	0.010
193-39-5	Indeno(1,2,3-cd)pyrene	0.010	U	0.000267	0.010
91-57-6	2-Methylnaphthalene	0.010	U	0.000211	0.010
95-48-7	o-Cresol	0.010	U	0.000182	0.010
98-95-3	Nitrobenzene	0.010	U	0.000220	0.010
88-75-5	2-Nitrophenol	0.010	U	0.000151	0.010
62-75-9	N-Nitrosodimethylamine	0.010	U	0.000515	0.010
86-30-6	N-Nitrosodiphenylamine	0.010	U	0.000170	0.010
85-01-8	Phenanthrene	0.010	U	0.000150	0.010
95-95-4	2,4,5-Trichlorophenol	0.010	U	0.000125	0.010
88-06-2	2,4,6-Trichlorophenol	0.010	U	0.000165	0.010
100-51-6	Benzyl alcohol	0.010	U	0.000317	0.010
62-53-3	Aniline	0.010	U	0.000210	0.010
110-86-1	Pyridine	0.010	U	0.00154	0.010
105-60-2	Caprolactam	0.010	U	0.00117	0.010
98-86-2	Acetophenone	0.010	U	0.000243	0.010
99-09-2	3-Nitroaniline	0.010	U	0.00128	0.010
100-01-6	4-Nitroaniline	0.010	U	0.000229	0.010
84-74-2	Di-n-butylphthalate	0.010	U	0.000144	0.010
122-66-7	1,2 Diphenylhydrazine	0.010	U	0.000190	0.010
88-74-4	2-Nitroaniline	0.010	U	0.000150	0.010
91-58-7	2-Chloronaphthalene	0.010	U	0.000214	0.010
106-47-8	4-Chloroaniline	0.010	U	0.000138	0.010
1912-24-9	Atrazine (Aatrex)	0.050	U	0.000318	0.050
100-52-7	Benzaldehyde	0.050	U	0.00332	0.050

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

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: MB912529

Contract:

Lab File ID: 2110114/e7973

Lab Sample ID: 912529

Date Collected: Time:

Date Received:

Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1459

Dilution Factor: 1 Analyst: KCB

Prep Method: 3510C

Analytical Method: SW-846 8270

Instrument ID: MSSV4

Prep Batch: 448924 Analytical Batch: 448983

CAS NO.	COMPOUND	RESULT		MDL	RL
92-52-4	Biphenyl	0.010	U	0.000139	0.010
1319-77-3M	m,p-Cresol	0.010	U	0.000332	0.010
534-52-1	2-Methyl-4,6-dinitrophenol	0.010	U	0.00242	0.010
108-95-2	Phenol	0.010	U	0.000242	0.010
95-57-8	2-Chlorophenol	0.010	U	0.000182	0.010
621-64-7	N-Nitroso-di-n-propylamine	0.010	U	0.000372	0.010
59-50-7	4-Chloro-3-methylphenol	0.010	U	0.000270	0.010
83-32-9	Acenaphthene	0.010	U	0.000202	0.010
100-02-7	4-Nitrophenol	0.010	U	0.000698	0.010
121-14-2	2,4-Dinitrotoluene	0.010	U	0.000248	0.010
87-86-5	Pentachlorophenol	0.010	U	0.00152	0.010
129-00-0	Pyrene	0.010	U	0.000201	0.010

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1 .	EQUIPMENT BLANK	91		91		109		41		61		80		0
2 .	MB912529	79		80		98		37		56		66		0
3 .	LCS912530	94		98		99		44		66		91		0
4 .	LCSD912531	87		89		97		42		63		83		0

CONTROL LIMITS

SMC 1	Nitrobenzene-d5	52	120
SMC 2	2-Fluorobiphenyl	16	128
SMC 3	Terphenyl-d14	43	138
SMC 4	Phenol-d5	10	120
SMC 5	2-Fluorophenol	10	120
SMC 6	2,4,6-Tribromophenol	52	121

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.: 211011405

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	T-15-F	73		74		88		73		72		69		0
2.	T-15-F MS	80		86		83		74		77		73		0
3.	T-15-F MSD	76		77		85		74		74		67		0
4.	T-21-F	82		85		88		70		71		62		0
5.	T-21-F	0	D	0	D	0	D	0	D	0	D	0	D	0
6.	NC-0-0.3	75		78		68		67		70		64		0
7.	T-2-WEST	77		77		79		75		75		65		0
8.	T-6-FLOOR	79		82		84		75		77		65		0
9.	T-6-EAST	76		77		78		78		77		66		0
10.	T-6-SOUTH	84		82		80		79		78		71		0
11.	T-6-NORTH	81		80		79		78		76		64		0
12.	BLIND DUP	82		81		79		79		78		68		0
13.	SC-W	83		80		71		73		75		72		0
14.	SC-E	74		77		80		75		73		59		0
15.	MB912490	75		76		84		70		72		66		0
16.	LCS912491	83		89		85		78		80		85		0
17.	LCSD912492	82		90		91		81		79		77		0

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	46	123
SMC 2	2-Fluorobiphenyl	47	127
SMC 3	Terphenyl-d14	38	167
SMC 4	Phenol-d5	43	123
SMC 5	2-Fluorophenol	51	119
SMC 6	2,4,6-Tribromophenol	44	121

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8270

Prep Batch: 448924 Analytical Batch.: 448983

Spike HSN : 912530

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC FLAG	QC. LIMITS
1,2 Diphenylhydrazine	mg/L	.1	0	.096	96		20 - 120
2,4,5-Trichlorophenol	mg/L	.1	0	.094	94		60 - 120
2,4,6-Trichlorophenol	mg/L	.1	0	.085	85		59 - 120
2,4-Dichlorophenol	mg/L	.1	0	.086	86		55 - 120
2,4-Dimethylphenol	mg/L	.1	0	.085	85		14 - 122
2,4-Dinitrophenol	mg/L	.1	0	.08	80		18 - 137
2,4-Dinitrotoluene	mg/L	.1	0	.093	93		37 - 138
2,6-Dinitrotoluene	mg/L	.1	0	.098	98		56 - 128
2-Chloronaphthalene	mg/L	.1	0	.096	96		48 - 120
2-Chlorophenol	mg/L	.1	0	.085	85		42 - 120
2-Methyl-4,6-dinitrophenol	mg/L	.1	0	.079	79		49 - 120
2-Methylnaphthalene	mg/L	.1	0	.087	87		40 - 120
2-Nitroaniline	mg/L	.1	0	.089	89		48 - 120
2-Nitrophenol	mg/L	.1	0	.09	90		59 - 120
3,3'-Dichlorobenzidine	mg/L	.1	0	.09	90		51 - 154
3-Nitroaniline	mg/L	.1	0	.089	89		34 - 120
4-Bromophenyl-phenylether	mg/L	.1	0	.105	105		61 - 120
4-Chloro-3-methylphenol	mg/L	.1	0	.082	82		44 - 120
4-Chloroaniline	mg/L	.1	0	.1	100		30 - 120
4-Chlorophenyl-phenylether	mg/L	.099	0	.099	100		52 - 120
4-Nitroaniline	mg/L	.101	0	.091	90		38 - 120
4-Nitrophenol	mg/L	.1	0	.043	43		10 - 120
Acenaphthene	mg/L	.1	0	.101	101		52 - 120
Acenaphthylene	mg/L	.1	0	.117	117		55 - 120
Acetophenone	mg/L	.1	0	.096	96		60 - 124
Aniline	mg/L	.1	0	.176	176	*	19 - 124
Anthracene	mg/L	.1	0	.106	106		58 - 120
Atrazine (Aatrex)	mg/L	.1	0	.138	138		39 - 148
Benzaldehyde	mg/L	.1	0	.474	474	*	40 - 118
Benzo(a)anthracene	mg/L	.1	0	.104	104		56 - 120
Benzo(a)pyrene	mg/L	.1	0	.11	110		56 - 120
Benzo(b)fluoranthene	mg/L	.1	0	.098	98		55 - 120
Benzo(g,h,i)perylene	mg/L	.1	0	.09	90		44 - 132
Benzo(k)fluoranthene	mg/L	.1	0	.108	108		49 - 121
Benzoic acid	mg/L	.1	0	.034	34		10 - 120

RPD : 0 out of 69 outside limits

Spike Recovery: 4 out of 138 outside limits

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8270

Prep Batch: 448924 Analytical Batch.: 448983

Benzyl alcohol	mg/L	.1	0	.086	86		32 - 120
Biphenyl	mg/L	.1	0	.091	91		39 - 122
Bis(2-Chloroethoxy)methane	mg/L	.1	0	.096	96		56 - 120
Bis(2-Chloroethyl)ether	mg/L	.1	0	.096	96		37 - 120
Butylbenzylphthalate	mg/L	.1	0	.097	97		62 - 122
Caprolactam	mg/L	.1	0	.031	31		10 - 120
Carbazole	mg/L	.1	0	.09	90		47 - 120
Chrysene	mg/L	.1	0	.103	103		58 - 120
Di-n-butylphthalate	mg/L	.1	0	.098	98		62 - 122
Di-n-octylphthalate	mg/L	.1	0	.084	84		56 - 133
Dibenz(a,h)anthracene	mg/L	.1	0	.085	85		50 - 138
Dibenzofuran	mg/L	.1	0	.093	93		54 - 120
Diethylphthalate	mg/L	.1	0	.101	101		56 - 120
Dimethyl-phthalate	mg/L	.1	0	.1	100		59 - 120
Fluoranthene	mg/L	.1	0	.096	96		55 - 120
Fluorene	mg/L	.1	0	.101	101		54 - 120
Hexachlorobenzene	mg/L	.1	0	.097	97		61 - 120
Hexachlorocyclopentadiene	mg/L	.1	0	.113	113		16 - 120
Hexachloroethane	mg/L	.1	0	.087	87		21 - 120
Indeno(1,2,3-cd)pyrene	mg/L	.1	0	.082	82		43 - 133
Isophorone	mg/L	.1	0	.094	94		53 - 120
N-Nitroso-di-n-propylamine	mg/L	.1	0	.094	94		47 - 120
N-Nitrosodimethylamine	mg/L	.1	0	.073	73		12 - 120
N-Nitrosodiphenylamine	mg/L	.098	0	.109	111		58 - 121
Nitrobenzene	mg/L	.1	0	.095	95		53 - 120
Pentachlorophenol	mg/L	.1	0	.075	75		25 - 158
Phenanthrene	mg/L	.1	0	.105	105		58 - 120
Phenol	mg/L	.1	0	.047	47		16 - 120
Pyrene	mg/L	.1	0	.116	116		54 - 120
Pyridine	mg/L	.1	0	.043	43		10 - 120
bis(2-Chloroisopropyl)ether	mg/L	.1	0	.094	94		47 - 120
bis(2-ethylhexyl)phthalate	mg/L	.1	0	.089	89		56 - 132
m,p-Cresol	mg/L	.1	0	.073	73		24 - 120
o-Cresol	mg/L	.1	0	.077	77		31 - 120

RPD : 0 out of 69 outside limits

Spike Recovery: 4 out of 138 outside limits

FORM III SV-1

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8270

Prep Batch: 448924 Analytical Batch.: 448983

Spike Dupe HSN : 912531

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	.089	89		8		20 - 120	0 - 50
2,4,5-Trichlorophenol	mg/L	.1	.087	87		8		60 - 120	0 - 50
2,4,6-Trichlorophenol	mg/L	.1	.08	80		6		59 - 120	0 - 50
2,4-Dichlorophenol	mg/L	.1	.082	82		5		55 - 120	0 - 50
2,4-Dimethylphenol	mg/L	.1	.082	82		4		14 - 122	0 - 50
2,4-Dinitrophenol	mg/L	.1	.077	77		4		18 - 137	0 - 50
2,4-Dinitrotoluene	mg/L	.1	.088	88		6		37 - 138	0 - 30
2,6-Dinitrotoluene	mg/L	.1	.092	92		6		56 - 128	0 - 50
2-Chloronaphthalene	mg/L	.1	.092	92		4		48 - 120	0 - 50
2-Chlorophenol	mg/L	.1	.085	85		0		42 - 120	0 - 30
2-Methyl-4,6-dinitrophenol	mg/L	.1	.074	74		7		49 - 120	0 - 50
2-Methylnaphthalene	mg/L	.1	.084	84		4		40 - 120	0 - 50
2-Nitroaniline	mg/L	.1	.086	86		3		48 - 120	0 - 50
2-Nitrophenol	mg/L	.1	.086	86		5		59 - 120	0 - 50
3,3'-Dichlorobenzidine	mg/L	.1	.087	87		3		51 - 154	0 - 50
3-Nitroaniline	mg/L	.1	.085	85		5		34 - 120	0 - 50
4-Bromophenyl-phenylether	mg/L	.1	.101	101		4		61 - 120	0 - 50
4-Chloro-3-methylphenol	mg/L	.1	.08	80		2		44 - 120	0 - 30
4-Chloroaniline	mg/L	.1	.099	99		1		30 - 120	0 - 50
4-Chlorophenyl-phenylether	mg/L	.099	.094	95		5		52 - 120	0 - 50
4-Nitroaniline	mg/L	.101	.09	89		1		38 - 120	0 - 50
4-Nitrophenol	mg/L	.1	.041	41		5		10 - 120	0 - 30
Acenaphthene	mg/L	.1	.097	97		4		52 - 120	0 - 30
Acenaphthylene	mg/L	.1	.11	110		6		55 - 120	0 - 50
Acetophenone	mg/L	.1	.095	95		1		60 - 124	0 - 50
Aniline	mg/L	.1	.181	181	*	3		19 - 124	0 - 50
Anthracene	mg/L	.1	.101	101		5		58 - 120	0 - 50
Atrazine (Aatrex)	mg/L	.1	.136	136		1		39 - 148	0 - 50
Benzaldehyde	mg/L	.1	.469	469	*	1		40 - 118	0 - 50
Benzo(a)anthracene	mg/L	.1	.1	100		4		56 - 120	0 - 50
Benzo(a)pyrene	mg/L	.1	.105	105		5		56 - 120	0 - 50
Benzo(b)fluoranthene	mg/L	.1	.099	99		1		55 - 120	0 - 50
Benzo(g,h,i)perylene	mg/L	.1	.085	85		6		44 - 132	0 - 50
Benzo(k)fluoranthene	mg/L	.1	.1	100		8		49 - 121	0 - 50
Benzoic acid	mg/L	.1	.032	32		6		10 - 120	0 - 50

RPD : 0 out of 69 outside limits

Spike Recovery: 4 out of 138 outside limits

3C
WATER SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Method: SW-846 8270

Prep Batch: 448924 Analytical Batch.: 448983

Benzyl alcohol	mg/L	.1	.085	85		1		32 - 120	0 - 50
Biphenyl	mg/L	.1	.087	87		4		39 - 122	0 - 50
Bis(2-Chloroethoxy)methane	mg/L	.1	.094	94		2		56 - 120	0 - 50
Bis(2-Chloroethyl)ether	mg/L	.1	.096	96		0		37 - 120	0 - 50
Butylbenzylphthalate	mg/L	.1	.096	96		1		62 - 122	0 - 50
Caprolactam	mg/L	.1	.029	29		7		10 - 120	0 - 50
Carbazole	mg/L	.1	.088	88		2		47 - 120	0 - 50
Chrysene	mg/L	.1	.097	97		6		58 - 120	0 - 50
Di-n-butylphthalate	mg/L	.1	.096	96		2		62 - 122	0 - 50
Di-n-octylphthalate	mg/L	.1	.083	83		1		56 - 133	0 - 50
Dibenz(a,h)anthracene	mg/L	.1	.086	86		1		50 - 138	0 - 50
Dibenzofuran	mg/L	.1	.091	91		2		54 - 120	0 - 50
Diethylphthalate	mg/L	.1	.096	96		5		56 - 120	0 - 50
Dimethyl-phthalate	mg/L	.1	.096	96		4		59 - 120	0 - 50
Fluoranthene	mg/L	.1	.095	95		1		55 - 120	0 - 50
Fluorene	mg/L	.1	.096	96		5		54 - 120	0 - 50
Hexachlorobenzene	mg/L	.1	.091	91		6		61 - 120	0 - 50
Hexachlorocyclopentadiene	mg/L	.1	.109	109		4		16 - 120	0 - 50
Hexachloroethane	mg/L	.1	.085	85		2		21 - 120	0 - 50
Indeno(1,2,3-cd)pyrene	mg/L	.1	.074	74		10		43 - 133	0 - 50
Isophorone	mg/L	.1	.091	91		3		53 - 120	0 - 50
N-Nitroso-di-n-propylamine	mg/L	.1	.095	95		1		47 - 120	0 - 30
N-Nitrosodimethylamine	mg/L	.1	.073	73		0		12 - 120	0 - 50
N-Nitrosodiphenylamine	mg/L	.098	.102	104		7		58 - 121	0 - 50
Nitrobenzene	mg/L	.1	.09	90		5		53 - 120	0 - 50
Pentachlorophenol	mg/L	.1	.074	74		1		25 - 158	0 - 30
Phenanthrene	mg/L	.1	.097	97		8		58 - 120	0 - 50
Phenol	mg/L	.1	.047	47		0		16 - 120	0 - 30
Pyrene	mg/L	.1	.113	113		3		54 - 120	0 - 30
Pyridine	mg/L	.1	.046	46		7		10 - 120	0 - 50
bis(2-Chloroisopropyl)ether	mg/L	.1	.095	95		1		47 - 120	0 - 50
bis(2-ethylhexyl)phthalate	mg/L	.1	.092	92		3		56 - 132	0 - 50
m,p-Cresol	mg/L	.1	.072	72		1		24 - 120	0 - 50
o-Cresol	mg/L	.1	.078	78		1		31 - 120	0 - 50

RPD : 0 out of 69 outside limits

Spike Recovery: 4 out of 138 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Spike HSN : 21101140502

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
1,2 Diphenylhydrazine	mg/kg	3.98	0	3.52	89		49 - 120
2,4,5-Trichlorophenol	mg/kg	3.98	0	3.19	80		47 - 120
2,4,6-Trichlorophenol	mg/kg	3.98	0	2.96	74		46 - 120
2,4-Dichlorophenol	mg/kg	3.98	0	2.96	74		47 - 120
2,4-Dimethylphenol	mg/kg	3.98	0	3.04	77		47 - 120
2,4-Dinitrophenol	mg/kg	3.98	0	2.52	63		14 - 120
2,4-Dinitrotoluene	mg/kg	3.98	0	3.27	82		45 - 120
2,6-Dinitrotoluene	mg/kg	3.98	0	3.47	87		47 - 120
2-Chloronaphthalene	mg/kg	3.98	0	3.57	90		52 - 120
2-Chlorophenol	mg/kg	3.98	0	2.97	75		48 - 120
2-Methyl-4,6-dinitrophenol	mg/kg	3.98	0	2.94	74		29 - 120
2-Methylnaphthalene	mg/kg	3.98	0	3.21	81		43 - 120
2-Nitroaniline	mg/kg	3.98	0	3.25	82		44 - 120
2-Nitrophenol	mg/kg	3.98	0	3.28	83		49 - 120
3,3'-Dichlorobenzidine	mg/kg	3.98	0	2.85	72		35 - 120
3-Nitroaniline	mg/kg	3.98	0	2.33	59		20 - 120
4-Bromophenyl-phenylether	mg/kg	3.98	0	3.89	98		51 - 125
4-Chloro-3-methylphenol	mg/kg	3.98	0	2.83	71		46 - 120
4-Chloroaniline	mg/kg	3.98	0	1.83	46		20 - 120
4-Chlorophenyl-phenylether	mg/kg	3.94	0	3.47	88		50 - 120
4-Nitroaniline	mg/kg	4.02	0	2.89	72		32 - 120
4-Nitrophenol	mg/kg	3.98	0	2.81	71		32 - 120
Acenaphthene	mg/kg	3.98	0	3.67	92		50 - 120
Acenaphthylene	mg/kg	3.98	0	4.19	105		53 - 120
Acetophenone	mg/kg	3.98	0	3.26	82		49 - 120
Aniline	mg/kg	3.98	0	2.78	70		21 - 131
Anthracene	mg/kg	3.98	0	3.9	98		52 - 120
Atrazine (Aatrex)	mg/kg	3.98	0	5.17	130		43 - 150
Benzaldehyde	mg/kg	3.98	0	.334	8	*	25 - 127
Benzo(a)anthracene	mg/kg	3.98	0	3.74	94		48 - 120
Benzo(a)pyrene	mg/kg	3.98	0	4.04	101		44 - 120
Benzo(b)fluoranthene	mg/kg	3.98	0	3.55	89		31 - 130
Benzo(g,h,i)perylene	mg/kg	3.98	0	3.32	83		29 - 134
Benzo(k)fluoranthene	mg/kg	3.98	0	3.61	91		36 - 122
Benzoic acid	mg/kg	3.98	0	2.23	56		14 - 124
Benzyl alcohol	mg/kg	3.98	0	3.21	81		47 - 120

RPD : 0 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Biphenyl	mg/kg	3.98	0	3.22	81		46 - 120
Bis(2-Chloroethoxy)methane	mg/kg	3.98	0	3.49	88		51 - 120
Bis(2-Chloroethyl)ether	mg/kg	3.98	0	3.39	85		46 - 120
Butylbenzylphthalate	mg/kg	3.98	0	3.67	92		46 - 130
Caprolactam	mg/kg	3.98	0	3.12	78		34 - 120
Carbazole	mg/kg	3.98	0	3.39	85		47 - 120
Chrysene	mg/kg	3.98	0	3.57	90		51 - 120
Di-n-butylphthalate	mg/kg	3.98	0	3.78	95		50 - 120
Di-n-octylphthalate	mg/kg	3.98	0	3.57	90		41 - 122
Dibenz(a,h)anthracene	mg/kg	3.98	0	3.32	83		27 - 129
Dibenzofuran	mg/kg	3.98	0	3.32	83		50 - 120
Diethylphthalate	mg/kg	3.98	0	3.61	91		36 - 120
Dimethyl-phthalate	mg/kg	3.98	0	3.62	91		50 - 120
Fluoranthene	mg/kg	3.98	.017	3.83	96		39 - 120
Fluorene	mg/kg	3.98	0	3.61	91		48 - 120
Hexachlorobenzene	mg/kg	3.98	0	3.45	87		48 - 120
Hexachlorocyclopentadiene	mg/kg	3.98	0	4.18	105		23 - 121
Hexachloroethane	mg/kg	3.98	0	2.94	74		40 - 120
Indeno(1,2,3-cd)pyrene	mg/kg	3.98	0	3.32	83		43 - 132
Isophorone	mg/kg	3.98	0	3.43	86		49 - 120
N-Nitroso-di-n-propylamine	mg/kg	3.98	0	3.43	86		46 - 120
N-Nitrosodimethylamine	mg/kg	3.98	0	3.18	80		34 - 126
N-Nitrosodiphenylamine	mg/kg	3.9	0	3.88	99		54 - 125
Nitrobenzene	mg/kg	3.98	0	3.34	84		45 - 120
Pentachlorophenol	mg/kg	3.98	0	2.6	65		30 - 124
Phenanthrene	mg/kg	3.98	.011	3.67	92		53 - 120
Phenol	mg/kg	3.98	0	2.95	74		42 - 120
Pyrene	mg/kg	3.98	.021	3.9	98		38 - 136
Pyridine	mg/kg	3.98	0	2.24	56		11 - 120
bis(2-Chloroisopropyl)ether	mg/kg	3.98	0	3.28	83		46 - 120
bis(2-ethylhexyl)phthalate	mg/kg	3.98	0	3.52	89		46 - 129
m,p-Cresol	mg/kg	3.98	0	2.87	72		46 - 120
o-Cresol	mg/kg	3.98	0	2.95	74		46 - 120

RPD : 0 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

FORM III SV-2

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Spike Dupe HSN : 21101140503

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.98	3.19	80		10		49 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.98	2.93	74		9		47 - 120	0 - 40
2,4,6-Trichlorophenol	mg/kg	3.98	2.63	66		12		46 - 120	0 - 40
2,4-Dichlorophenol	mg/kg	3.98	2.83	71		5		47 - 120	0 - 40
2,4-Dimethylphenol	mg/kg	3.98	2.84	71		7		47 - 120	0 - 40
2,4-Dinitrophenol	mg/kg	3.98	2.16	54		15		14 - 120	0 - 49
2,4-Dinitrotoluene	mg/kg	3.98	3.06	77		7		45 - 120	0 - 40
2,6-Dinitrotoluene	mg/kg	3.98	3.19	80		9		47 - 120	0 - 40
2-Chloronaphthalene	mg/kg	3.98	3.13	79		13		52 - 120	0 - 40
2-Chlorophenol	mg/kg	3.98	2.81	71		6		48 - 120	0 - 40
2-Methyl-4,6-dinitrophenol	mg/kg	3.98	2.45	62		18		29 - 120	0 - 40
2-Methylnaphthalene	mg/kg	3.98	3.01	76		7		43 - 120	0 - 40
2-Nitroaniline	mg/kg	3.98	2.91	73		11		44 - 120	0 - 40
2-Nitrophenol	mg/kg	3.98	3.04	77		8		49 - 120	0 - 40
3,3'-Dichlorobenzidine	mg/kg	3.98	2.53	64		12		35 - 120	0 - 40
3-Nitroaniline	mg/kg	3.98	2.08	52		11		20 - 120	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.98	3.49	88		11		51 - 125	0 - 40
4-Chloro-3-methylphenol	mg/kg	3.98	2.83	71		0		46 - 120	0 - 40
4-Chloroaniline	mg/kg	3.98	1.73	44		5		20 - 120	0 - 50
4-Chlorophenyl-phenylether	mg/kg	3.94	3.15	80		10		50 - 120	0 - 40
4-Nitroaniline	mg/kg	4.02	2.66	66		8		32 - 120	0 - 40
4-Nitrophenol	mg/kg	3.98	2.61	66		7		32 - 120	0 - 40
Acenaphthene	mg/kg	3.98	3.26	82		12		50 - 120	0 - 40
Acenaphthylene	mg/kg	3.98	3.73	94		12		53 - 120	0 - 40
Acetophenone	mg/kg	3.98	3.09	78		5		49 - 120	0 - 50
Aniline	mg/kg	3.98	2.7	68		3		21 - 131	0 - 40
Anthracene	mg/kg	3.98	3.51	88		11		52 - 120	0 - 40
Atrazine (Aatrex)	mg/kg	3.98	4.68	118		10		43 - 150	0 - 50
Benzaldehyde	mg/kg	3.98	.412	10	*	21		25 - 127	0 - 50
Benzo(a)anthracene	mg/kg	3.98	3.32	83		12		48 - 120	0 - 40
Benzo(a)pyrene	mg/kg	3.98	3.44	86		16		44 - 120	0 - 40
Benzo(b)fluoranthene	mg/kg	3.98	2.82	71		23		31 - 130	0 - 40
Benzo(g,h,i)perylene	mg/kg	3.98	2.73	69		19		29 - 134	0 - 40
Benzo(k)fluoranthene	mg/kg	3.98	3.62	91		.3		36 - 122	0 - 40
Benzoic acid	mg/kg	3.98	1.87	47		17		14 - 124	0 - 40
Benzyl alcohol	mg/kg	3.98	3.12	78		3		47 - 120	0 - 40

RPD : 0 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID T-15-F

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Biphenyl	mg/kg	3.98	3.1	78		4		46 - 120	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.98	3.3	83		6		51 - 120	0 - 40
Bis(2-Chloroethyl)ether	mg/kg	3.98	3.22	81		5		46 - 120	0 - 40
Butylbenzylphthalate	mg/kg	3.98	3.59	90		2		46 - 130	0 - 40
Caprolactam	mg/kg	3.98	3.21	81		3		34 - 120	0 - 50
Carbazole	mg/kg	3.98	2.98	75		13		47 - 120	0 - 40
Chrysene	mg/kg	3.98	3.38	85		5		51 - 120	0 - 40
Di-n-butylphthalate	mg/kg	3.98	3.4	86		11		50 - 120	0 - 40
Di-n-octylphthalate	mg/kg	3.98	3.3	83		8		41 - 122	0 - 40
Dibenz(a,h)anthracene	mg/kg	3.98	2.85	72		15		27 - 129	0 - 40
Dibenzofuran	mg/kg	3.98	2.98	75		11		50 - 120	0 - 40
Diethylphthalate	mg/kg	3.98	3.32	83		8		36 - 120	0 - 40
Dimethyl-phthalate	mg/kg	3.98	3.31	83		9		50 - 120	0 - 40
Fluoranthene	mg/kg	3.98	3.28	82		15		39 - 120	0 - 40
Fluorene	mg/kg	3.98	3.2	80		12		48 - 120	0 - 40
Hexachlorobenzene	mg/kg	3.98	3.03	76		13		48 - 120	0 - 40
Hexachlorocyclopentadiene	mg/kg	3.98	3.4	86		20		23 - 121	0 - 40
Hexachloroethane	mg/kg	3.98	2.84	71		3		40 - 120	0 - 40
Indeno(1,2,3-cd)pyrene	mg/kg	3.98	2.61	66		24		43 - 132	0 - 40
Isophorone	mg/kg	3.98	3.26	82		5		49 - 120	0 - 40
N-Nitroso-di-n-propylamine	mg/kg	3.98	3.25	82		5		46 - 120	0 - 40
N-Nitrosodimethylamine	mg/kg	3.98	2.9	73		9		34 - 126	0 - 40
N-Nitrosodiphenylamine	mg/kg	3.9	3.53	91		9		54 - 125	0 - 40
Nitrobenzene	mg/kg	3.98	3.08	77		8		45 - 120	0 - 40
Pentachlorophenol	mg/kg	3.98	2.39	60		9		30 - 124	0 - 40
Phenanthrene	mg/kg	3.98	3.32	83		10		53 - 120	0 - 40
Phenol	mg/kg	3.98	2.76	69		7		42 - 120	0 - 40
Pyrene	mg/kg	3.98	3.98	99		2		38 - 136	0 - 40
Pyridine	mg/kg	3.98	2.45	62		9		11 - 120	0 - 40
bis(2-Chloroisopropyl)ether	mg/kg	3.98	3.16	80		4		46 - 120	0 - 40
bis(2-ethylhexyl)phthalate	mg/kg	3.98	3.4	86		3		46 - 129	0 - 40
m,p-Cresol	mg/kg	3.98	2.77	70		3		46 - 120	0 - 40
o-Cresol	mg/kg	3.98	2.76	69		7		46 - 120	0 - 40

RPD : 0 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Spike HSN : 912491

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
1,2 Diphenylhydrazine	mg/kg	3.31	0	2.91	88		49 - 120
2,4,5-Trichlorophenol	mg/kg	3.31	0	2.66	80		47 - 120
2,4,6-Trichlorophenol	mg/kg	3.31	0	2.43	73		46 - 120
2,4-Dichlorophenol	mg/kg	3.31	0	2.53	76		47 - 120
2,4-Dimethylphenol	mg/kg	3.31	0	2.52	76		47 - 120
2,4-Dinitrophenol	mg/kg	3.31	0	2.35	71		14 - 120
2,4-Dinitrotoluene	mg/kg	3.31	0	2.71	82		45 - 120
2,6-Dinitrotoluene	mg/kg	3.31	0	2.91	88		47 - 120
2-Chloronaphthalene	mg/kg	3.31	0	2.91	88		52 - 120
2-Chlorophenol	mg/kg	3.31	0	2.52	76		48 - 120
2-Methyl-4,6-dinitrophenol	mg/kg	3.31	0	2.46	74		29 - 120
2-Methylnaphthalene	mg/kg	3.31	0	2.73	82		43 - 120
2-Nitroaniline	mg/kg	3.31	0	2.63	79		44 - 120
2-Nitrophenol	mg/kg	3.31	0	2.67	81		49 - 120
3,3'-Dichlorobenzidine	mg/kg	3.31	0	1.19	36		35 - 120
3-Nitroaniline	mg/kg	3.31	0	1.2	36		20 - 120
4-Bromophenyl-phenylether	mg/kg	3.31	0	3.33	101		51 - 125
4-Chloro-3-methylphenol	mg/kg	3.31	0	2.44	74		46 - 120
4-Chloroaniline	mg/kg	3.31	0	.764	23		20 - 120
4-Chlorophenyl-phenylether	mg/kg	3.28	0	2.98	91		50 - 120
4-Nitroaniline	mg/kg	3.34	0	2.36	71		32 - 120
4-Nitrophenol	mg/kg	3.31	0	2.39	72		32 - 120
Acenaphthene	mg/kg	3.31	0	3.03	92		50 - 120
Acenaphthylene	mg/kg	3.31	0	3.44	104		53 - 120
Acetophenone	mg/kg	3.31	0	2.8	85		49 - 120
Aniline	mg/kg	3.31	0	1.04	31		21 - 131
Anthracene	mg/kg	3.31	0	3.24	98		52 - 120
Atrazine (Aatrex)	mg/kg	3.31	0	4.23	128		43 - 150
Benzaldehyde	mg/kg	3.31	0	.282	9	*	25 - 127
Benzo(a)anthracene	mg/kg	3.31	0	3.11	94		48 - 120
Benzo(a)pyrene	mg/kg	3.31	0	3.32	100		44 - 120
Benzo(b)fluoranthene	mg/kg	3.31	0	3.08	93		31 - 130
Benzo(g,h,i)perylene	mg/kg	3.31	0	2.57	78		29 - 134
Benzo(k)fluoranthene	mg/kg	3.31	0	3.17	96		36 - 122
Benzoic acid	mg/kg	3.31	0	2.72	82		14 - 124
Benzyl alcohol	mg/kg	3.31	0	2.68	81		47 - 120

RPD : 1 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Biphenyl	mg/kg	3.31	0	2.83	85		46 - 120
Bis(2-Chloroethoxy)methane	mg/kg	3.31	0	2.93	88		51 - 120
Bis(2-Chloroethyl)ether	mg/kg	3.31	0	2.83	85		46 - 120
Butylbenzylphthalate	mg/kg	3.31	0	2.89	87		46 - 130
Caprolactam	mg/kg	3.31	0	2.84	86		34 - 120
Carbazole	mg/kg	3.31	0	2.78	84		47 - 120
Chrysene	mg/kg	3.31	0	2.94	89		51 - 120
Di-n-butylphthalate	mg/kg	3.31	0	3.17	96		50 - 120
Di-n-octylphthalate	mg/kg	3.31	0	2.71	82		41 - 122
Dibenz(a,h)anthracene	mg/kg	3.31	0	2.56	77		27 - 129
Dibenzofuran	mg/kg	3.31	0	2.81	85		50 - 120
Diethylphthalate	mg/kg	3.31	0	3.06	92		36 - 120
Dimethyl-phthalate	mg/kg	3.31	0	2.97	90		50 - 120
Fluoranthene	mg/kg	3.31	0	3.07	93		39 - 120
Fluorene	mg/kg	3.31	0	3.02	91		48 - 120
Hexachlorobenzene	mg/kg	3.31	0	2.96	89		48 - 120
Hexachlorocyclopentadiene	mg/kg	3.31	0	3.56	108		23 - 121
Hexachloroethane	mg/kg	3.31	0	2.54	77		40 - 120
Indeno(1,2,3-cd)pyrene	mg/kg	3.31	0	2.32	70		43 - 132
Isophorone	mg/kg	3.31	0	2.91	88		49 - 120
N-Nitroso-di-n-propylamine	mg/kg	3.31	0	2.9	88		46 - 120
N-Nitrosodimethylamine	mg/kg	3.31	0	2.67	81		34 - 126
N-Nitrosodiphenylamine	mg/kg	3.25	0	3.23	100		54 - 125
Nitrobenzene	mg/kg	3.31	0	2.79	84		45 - 120
Pentachlorophenol	mg/kg	3.31	0	2.38	72		30 - 124
Phenanthrene	mg/kg	3.31	0	3.11	94		53 - 120
Phenol	mg/kg	3.31	0	2.37	72		42 - 120
Pyrene	mg/kg	3.31	0	3.25	98		38 - 136
Pyridine	mg/kg	3.31	0	2.02	61		11 - 120
bis(2-Chloroisopropyl)ether	mg/kg	3.31	0	2.83	85		46 - 120
bis(2-ethylhexyl)phthalate	mg/kg	3.31	0	2.81	85		46 - 129
m,p-Cresol	mg/kg	3.31	0	2.47	75		46 - 120
o-Cresol	mg/kg	3.31	0	2.46	74		46 - 120

RPD : 1 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Spike Dupe HSN : 912492

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	3.3	3.04	92		4		49 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.3	2.76	84		4		47 - 120	0 - 40
2,4,6-Trichlorophenol	mg/kg	3.3	2.47	75		2		46 - 120	0 - 40
2,4-Dichlorophenol	mg/kg	3.3	2.56	78		1		47 - 120	0 - 40
2,4-Dimethylphenol	mg/kg	3.3	2.48	75		2		47 - 120	0 - 40
2,4-Dinitrophenol	mg/kg	3.3	2.27	69		3		14 - 120	0 - 49
2,4-Dinitrotoluene	mg/kg	3.3	2.65	80		2		45 - 120	0 - 40
2,6-Dinitrotoluene	mg/kg	3.3	2.83	86		3		47 - 120	0 - 40
2-Chloronaphthalene	mg/kg	3.3	2.98	90		2		52 - 120	0 - 40
2-Chlorophenol	mg/kg	3.3	2.6	79		3		48 - 120	0 - 40
2-Methyl-4,6-dinitrophenol	mg/kg	3.3	2.53	77		3		29 - 120	0 - 40
2-Methylnaphthalene	mg/kg	3.3	2.76	84		1		43 - 120	0 - 40
2-Nitroaniline	mg/kg	3.3	2.67	81		2		44 - 120	0 - 40
2-Nitrophenol	mg/kg	3.3	2.75	83		3		49 - 120	0 - 40
3,3'-Dichlorobenzidine	mg/kg	3.3	1.49	45		22		35 - 120	0 - 40
3-Nitroaniline	mg/kg	3.3	1.34	41		11		20 - 120	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.3	3.44	104		3		51 - 125	0 - 40
4-Chloro-3-methylphenol	mg/kg	3.3	2.43	74		.4		46 - 120	0 - 40
4-Chloroaniline	mg/kg	3.3	.982	30		25		20 - 120	0 - 50
4-Chlorophenyl-phenylether	mg/kg	3.27	2.94	90		1		50 - 120	0 - 40
4-Nitroaniline	mg/kg	3.33	2.26	68		4		32 - 120	0 - 40
4-Nitrophenol	mg/kg	3.3	2.26	68		6		32 - 120	0 - 40
Acenaphthene	mg/kg	3.3	3.03	92		0		50 - 120	0 - 40
Acenaphthylene	mg/kg	3.3	3.45	105		.3		53 - 120	0 - 40
Acetophenone	mg/kg	3.3	2.91	88		4		49 - 120	0 - 50
Aniline	mg/kg	3.3	1.98	60		62	*	21 - 131	0 - 40
Anthracene	mg/kg	3.3	3.34	101		3		52 - 120	0 - 40
Atrazine (Aatrex)	mg/kg	3.3	4.27	129		.9		43 - 150	0 - 50
Benzaldehyde	mg/kg	3.3	.28	8	*	.7		25 - 127	0 - 50
Benzo(a)anthracene	mg/kg	3.3	3.12	95		.3		48 - 120	0 - 40
Benzo(a)pyrene	mg/kg	3.3	3.35	102		.9		44 - 120	0 - 40
Benzo(b)fluoranthene	mg/kg	3.3	3.1	94		.6		31 - 130	0 - 40
Benzo(g,h,i)perylene	mg/kg	3.3	2.39	72		7		29 - 134	0 - 40
Benzo(k)fluoranthene	mg/kg	3.3	3.31	100		4		36 - 122	0 - 40
Benzoic acid	mg/kg	3.3	2.66	81		2		14 - 124	0 - 40
Benzyl alcohol	mg/kg	3.3	2.92	88		9		47 - 120	0 - 40

RPD : 1 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Contract: Analytical Method: SW-846 8270

Prep Batch: 448916 Analytical Batch.: 448983

Biphenyl	mg/kg	3.3	2.78	84		2		46 - 120	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.3	2.96	90		1		51 - 120	0 - 40
Bis(2-Chloroethyl)ether	mg/kg	3.3	2.92	88		3		46 - 120	0 - 40
Butylbenzylphthalate	mg/kg	3.3	3.08	93		6		46 - 130	0 - 40
Caprolactam	mg/kg	3.3	2.69	82		5		34 - 120	0 - 50
Carbazole	mg/kg	3.3	2.76	84		.7		47 - 120	0 - 40
Chrysene	mg/kg	3.3	3.03	92		3		51 - 120	0 - 40
Di-n-butylphthalate	mg/kg	3.3	3.06	93		4		50 - 120	0 - 40
Di-n-octylphthalate	mg/kg	3.3	2.73	83		.7		41 - 122	0 - 40
Dibenz(a,h)anthracene	mg/kg	3.3	2.57	78		.4		27 - 129	0 - 40
Dibenzofuran	mg/kg	3.3	2.78	84		1		50 - 120	0 - 40
Diethylphthalate	mg/kg	3.3	2.9	88		5		36 - 120	0 - 40
Dimethyl-phthalate	mg/kg	3.3	2.9	88		2		50 - 120	0 - 40
Fluoranthene	mg/kg	3.3	3.03	92		1		39 - 120	0 - 40
Fluorene	mg/kg	3.3	2.9	88		4		48 - 120	0 - 40
Hexachlorobenzene	mg/kg	3.3	3.1	94		5		48 - 120	0 - 40
Hexachlorocyclopentadiene	mg/kg	3.3	3.8	115		7		23 - 121	0 - 40
Hexachloroethane	mg/kg	3.3	2.65	80		4		40 - 120	0 - 40
Indeno(1,2,3-cd)pyrene	mg/kg	3.3	2.12	64		9		43 - 132	0 - 40
Isophorone	mg/kg	3.3	2.92	88		.3		49 - 120	0 - 40
N-Nitroso-di-n-propylamine	mg/kg	3.3	3.01	91		4		46 - 120	0 - 40
N-Nitrosodimethylamine	mg/kg	3.3	2.88	87		8		34 - 126	0 - 40
N-Nitrosodiphenylamine	mg/kg	3.23	3.34	103		3		54 - 125	0 - 40
Nitrobenzene	mg/kg	3.3	2.78	84		.4		45 - 120	0 - 40
Pentachlorophenol	mg/kg	3.3	2.39	72		.4		30 - 124	0 - 40
Phenanthrene	mg/kg	3.3	3.13	95		.6		53 - 120	0 - 40
Phenol	mg/kg	3.3	2.55	77		7		42 - 120	0 - 40
Pyrene	mg/kg	3.3	3.47	105		7		38 - 136	0 - 40
Pyridine	mg/kg	3.3	2.21	67		9		11 - 120	0 - 40
bis(2-Chloroisopropyl)ether	mg/kg	3.3	2.86	87		1		46 - 120	0 - 40
bis(2-ethylhexyl)phthalate	mg/kg	3.3	2.96	90		5		46 - 129	0 - 40
m,p-Cresol	mg/kg	3.3	2.55	77		3		46 - 120	0 - 40
o-Cresol	mg/kg	3.3	2.56	78		4		46 - 120	0 - 40

RPD : 1 out of 69 outside limits

Spike Recovery: 2 out of 138 outside limits

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab File ID: 2110114/e7973

GC Column: RTX-5MS-30 ID: .25 (mm)

Instrument ID: MSSV4 Matrix: Water

Level: LOW

Sample ID: MB912529

Contract:

SAS No.: SDG No.: 211011405

Lab Sample ID: 912529 Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1459

Method: SW-846 8270

Prep Batch: 448924 Analytical Batch: 448983

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS912530	912530	2110114/e7974	01/14/11	1516
2.	LCSD912531	912531	2110114/e7975	01/14/11	1533
3.	EQUIPMENT BLANK	21101140514	2110114/e7976	01/14/11	1549

FORM IV SV

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL

Lab Code: LA024 Case No.:

Lab File ID: 2110114/e7977

GC Column: RTX-5MS-30 ID: .25 (mm)

Instrument ID: MSSV4 Matrix: Solid

Level: LOW

Sample ID: MB912490

Contract:

SAS No.: SDG No.: 211011405

Lab Sample ID: 912490 Date Extracted: 01/14/11

Date Analyzed: 01/14/11 Time: 1606

Method: SW-846 8270

Prep Batch: 448916 Analytical Batch: 448983

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS912491	912491	2110114/e7978	01/14/11	1623
2.	LCSD912492	912492	2110114/e7979	01/14/11	1639
3.	T-15-F	21101140501	2110114/e7980	01/14/11	1656
4.	T-15-F MS	21101140502	2110114/e7981	01/14/11	1713
5.	T-15-F MSD	21101140503	2110114/e7982	01/14/11	1729
6.	T-21-F	21101140504	2110114/e7983	01/14/11	1746
7.	NC-0-0.3	21101140505	2110114/e7984	01/14/11	1803
8.	T-2-WEST	21101140506	2110114/e7985	01/14/11	1819
9.	T-6-FLOOR	21101140507	2110114/e7986	01/14/11	1836
10.	T-6-EAST	21101140508	2110114/e7987	01/14/11	1853
11.	T-6-SOUTH	21101140509	2110114/e7988	01/14/11	1909
12.	T-6-NORTH	21101140510	2110114/e7989	01/14/11	1926
13.	BLIND DUP	21101140511	2110114/e7990	01/14/11	1943
14.	SC-W	21101140512	2110114/e7991	01/14/11	2000
15.	SC-E	21101140513	2110114/e7992	01/14/11	2016
16.	T-21-F	21101140504	2110117/e8009	01/17/11	0856

FORM IV SV

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Lab File ID: 2110112/e7895 DFTPP Injection Date 01/12/11 Time: 0743

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 448984

Instrument ID: MSSV4

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	39.94 ( ) ( )
68	Less than 2% of mass 69	0 (0) (1)
69	Mass 69 relative abundance	40.32 ( ) ( )
70	Less than 2.0% of mass 69	.24 (.62) (1)
127	40.0-60.0% of mass 198	53.66 ( ) ( )
197	Less than 1.0% of mass 198	0 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	7.46 ( ) ( )
275	10.0-30.0% of mass 198	23.59 ( ) ( )
365	Greater than 1.0% of mass 198	2.43 ( ) ( )
441	Present, but less than mass 443	8.41 ( ) ( )
442	Greater than 40.00% of mass 198	64.27 ( ) ( )
443	17.0-23.0% of mass 442	12.48 (19.43) (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	2110112/e7897	01/12/11	0821
2.	STD010	1204	2110112/e7898	01/12/11	0838
3.	STD080	1206	2110112/e7899	01/12/11	0854
4.	STD120	1207	2110112/e7900	01/12/11	0911
5.	STD160	1208	2110112/e7901	01/12/11	0928
6.	STD200	1209	2110112/e7902	01/12/11	0945
7.	STD002	1203	2110112/e7903	01/12/11	1002
8.	STD001	1202	2110112/e7904	01/12/11	1019
9.	STD0.2	1201	2110112/e7905	01/12/11	1037

FORM V SV

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110114/e7970

DFTPP Injection Date 01/14/11 Time: 1409

GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 448983

Instrument ID: MSSV4

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	40.07 ( ) ( )
68	Less than 2% of mass 69	0 (0) (1)
69	Mass 69 relative abundance	40.58 ( ) ( )
70	Less than 2.0% of mass 69	0 (0) (1)
127	40.0-60.0% of mass 198	54.64 ( ) ( )
197	Less than 1.0% of mass 198	0 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.83 ( ) ( )
275	10.0-30.0% of mass 198	22.68 ( ) ( )
365	Greater than 1.0% of mass 198	2.35 ( ) ( )
441	Present, but less than mass 443	9.16 ( ) ( )
442	Greater than 40.00% of mass 198	57.27 ( ) ( )
443	17.0-23.0% of mass 442	11.72 (20.48) (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	2110114/e7972	01/14/11	1442
2.	MB912529	912529	2110114/e7973	01/14/11	1459
3.	LCS912530	912530	2110114/e7974	01/14/11	1516
4.	LCSD912531	912531	2110114/e7975	01/14/11	1533
5.	EQUIPMENT BLANK	21101140514	2110114/e7976	01/14/11	1549
6.	MB912490	912490	2110114/e7977	01/14/11	1606
7.	LCS912491	912491	2110114/e7978	01/14/11	1623
8.	LCSD912492	912492	2110114/e7979	01/14/11	1639
9.	T-15-F	21101140501	2110114/e7980	01/14/11	1656
10.	T-15-F MS	21101140502	2110114/e7981	01/14/11	1713
11.	T-15-F MSD	21101140503	2110114/e7982	01/14/11	1729

FORM V SV

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 211011405

Lab File ID: 2110114/e7970 DFTPP Injection Date 01/14/11 Time: 1409

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 448983

Instrument ID: MSSV4

12 .	T-21-F	21101140504	2110114/e7983	01/14/11	1746
13 .	NC-0-0.3	21101140505	2110114/e7984	01/14/11	1803
14 .	T-2-WEST	21101140506	2110114/e7985	01/14/11	1819
15 .	T-6-FLOOR	21101140507	2110114/e7986	01/14/11	1836
16 .	T-6-EAST	21101140508	2110114/e7987	01/14/11	1853
17 .	T-6-SOUTH	21101140509	2110114/e7988	01/14/11	1909
18 .	T-6-NORTH	21101140510	2110114/e7989	01/14/11	1926
19 .	BLIND DUP	21101140511	2110114/e7990	01/14/11	1943
20 .	SC-W	21101140512	2110114/e7991	01/14/11	2000
21 .	SC-E	21101140513	2110114/e7992	01/14/11	2016

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID: 2110117/e8007

DFTPP Injection Date 01/17/11 Time: 0822

GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 449083

Instrument ID: MSSV4

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	36.61 ( ) ( )
68	Less than 2% of mass 69	.5 (1.41) (1)
69	Mass 69 relative abundance	35.48 ( ) ( )
70	Less than 2.0% of mass 69	.25 (.73) (1)
127	40.0-60.0% of mass 198	51.16 ( ) ( )
197	Less than 1.0% of mass 198	.42 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.61 ( ) ( )
275	10.0-30.0% of mass 198	23.34 ( ) ( )
365	Greater than 1.0% of mass 198	2.55 ( ) ( )
441	Present, but less than mass 443	9.87 ( ) ( )
442	Greater than 40.00% of mass 198	64.07 ( ) ( )
443	17.0-23.0% of mass 442	12.58 (19.64) (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	2110117/e8008	01/17/11	0838
2.	T-21-F	21101140504	2110117/e8009	01/17/11	0856
3.	APP9050	1400	2110117/e8011	01/17/11	1403

FORM V SV

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Calibration File Names:
Level 1: /var/chem/MSSV4.i/2110112.s.b/e7905.d
Level 2: /var/chem/MSSV4.i/2110111.s.b/e7868.d
Level 3: /var/chem/MSSV4.i/2110111.s.b/e7878.d
Level 4: /var/chem/MSSV4.i/2110111.s.b/e7874.d
Level 5: /var/chem/MSSV4.i/2110111.s.b/e7873.d
Level 6: /var/chem/MSSV4.i/2110111.s.b/e7875.d
Level 7: /var/chem/MSSV4.i/2110111.s.b/e7876.d
Level 8: /var/chem/MSSV4.i/2110111.s.b/e7877.d
Level 9: /var/chem/MSSV4.i/2110111.s.b/e7866.d

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 n-Nitrosodimethylamine	+++++	+++++	0.67479	0.68450	0.68885	0.67501					
	0.63292	0.69510	0.61729				AVRG		0.66692		4.46926
2 Pyridine	+++++	1.34758	1.38829	1.11191	1.39431	1.27949					
	1.30643	1.21179	1.22249				AVRG		1.28278		7.58152
5 Aniline	+++++	3104	5462	29788	220945	220704					
	258128	263635	+++++				QUAD	0.08231	0.00216	0.38649	0.99202

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
6 Phenol +	+++++	1.51309	1.48317	1.60472	1.58315	1.59870					
	1.55502	1.55123	1.42493				AVRG		1.53925		4.03758
7 bis(-2-Chloroethyl)Ether	+++++	+++++	0.70766	0.74664	0.77113	0.75423					
	0.77302	0.77615	0.74219				AVRG		0.75300		3.19847
8 2-Chlorophenol	+++++	+++++	1.28889	1.23780	1.38858	1.34901					
	1.41658	1.39053	1.30831				AVRG		1.33996		4.80965
9 1,3-Dichlorobenzene	+++++	+++++	1.32971	1.50464	1.48238	1.46937					
	1.51442	1.51791	1.45075				AVRG		1.46702		4.45359
11 1,4-Dichlorobenzene +	+++++	+++++	1.47813	1.47734	1.52318	1.47923					
	1.54094	1.52639	1.45354				AVRG		1.49696		2.18627
12 Benzyl alcohol	+++++	+++++	+++++	0.62917	0.70326	0.69906					
	0.73503	0.71370	0.66568				AVRG		0.69098		5.46621
13 1,2-Dichlorobenzene	+++++	1.62477	1.28015	1.39217	1.41757	1.38021					
	1.44355	1.42900	1.35483				AVRG		1.41528		6.99251

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
14 Bis(2-chloroisopropyl)ether	+++++	1.32813	1.41505	1.37555	1.40098	1.40131					
	1.44915	1.40837	1.32433				AVRG		1.38786		3.10813
15 2-Methylphenol	+++++	+++++	0.97509	1.08858	1.13410	1.10896					
	1.13095	1.11775	1.04570				AVRG		1.08588		5.29052
16 N-Nitroso-di-n-propylamine++	+++++	0.69647	0.67877	0.73890	0.71850	0.72846					
	0.73758	0.71297	0.66560				AVRG		0.70966		3.82076
17 3- & 4-Methylphenol	+++++	+++++	0.93904	1.12389	1.16001	1.15166					
	1.17068	1.09011	1.04398				AVRG		1.09705		7.52764
18 Hexachloroethane	+++++	0.65011	0.47813	0.52826	0.53129	0.53526					
	0.56808	0.54884	0.52434				AVRG		0.54554		9.04739
20 Nitrobenzene	+++++	0.34231	0.27691	0.31377	0.31098	0.30721					
	0.31520	0.31891	0.30434				AVRG		0.31120		5.81059
21 Isophorone	+++++	0.46667	0.46391	0.51081	0.51328	0.51877					
	0.51527	0.50604	0.47632				AVRG		0.49638		4.68438

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
22 2-Nitrophenol +	+++++	+++++	0.15017	0.18684	0.21280	0.21392					
	0.21641	0.21798	0.20919				AVRG		0.20104		12.32340
23 2,4-Dimethyphenol	+++++	+++++	0.27870	0.33496	0.35223	0.35702					
	0.35433	0.35099	0.33522				AVRG		0.33764		8.13970
24 bis(-2-Chloroethoxy)methane	+++++	+++++	0.32661	0.34245	0.34650	0.35068					
	0.34872	0.34655	0.33353				AVRG		0.34215		2.58628
25 Benzoic Acid	+++++	+++++	+++++	0.15044	0.16159	0.17111					
	0.18602	0.14743	0.16202				AVRG		0.16310		8.66554
26 2,4-Dichlorophenol +	+++++	+++++	0.25819	0.29006	0.30568	0.31327					
	0.31528	0.31313	0.29292				AVRG		0.29836		6.83088
27 1,2,4-Trichlorobenzene	+++++	+++++	0.28192	0.32279	0.32495	0.32492					
	0.32904	0.33235	0.32125				AVRG		0.31960		5.32986
29 Naphthalene	+++++	1.02736	0.89286	0.95525	0.94387	0.95863					
	0.94529	0.96013	0.91009				AVRG		0.94918		4.19556

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
30 4-Chloroaniline	+++++	+++++	0.35349	0.40090	0.37810	0.35187					
	0.31985	0.28762	+++++				AVRG		0.34864		11.60558
31 Hexachlorobutadiene +	0.21654	0.20434	0.15309	0.17767	0.18560	0.18604					
	0.19130	0.19151	0.18725				AVRG		0.18815		9.28188
32 4-Chloro-3-Methylphenol +	+++++	+++++	0.22653	0.25669	0.26883	0.28265					
	0.28888	0.27745	0.26230				AVRG		0.26619		7.81754
33 2-Methylnaphthalene	0.75282	0.64605	0.58900	0.64598	0.65116	0.65813					
	0.64605	0.64512	0.60899				AVRG		0.64925		6.91129
34 Hexachlorocyclopentadiene ++	+++++	0.29826	0.23002	0.29049	0.37686	0.33981					
	0.35373	0.35158	0.31297				AVRG		0.31922		14.61922
35 2,4,6-Trichlorophenol +	+++++	+++++	1909	12493	122227	165749					
	229864	266293	324035				LINR	0.05377	0.44696		0.99988
36 2,4,5-Trichlorphenol	+++++	+++++	0.35302	0.40169	0.42290	0.42120					
	0.43834	0.43991	0.41044				AVRG		0.41250		7.17910

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GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
38 2-Chloronaphthalene	+++++	1.19788	1.01283	1.15357	1.16173	1.13946					
	1.16788	1.19429	1.13270				AVRG		1.14504		5.08737
39 2-Nitroaniline	+++++	+++++	+++++	0.35937	0.40825	0.41372					
	0.43652	0.43257	0.41261				AVRG		0.41051		6.71376
40 Dimethylphthalate	+++++	+++++	1.16509	1.20130	1.23863	1.23688					
	1.23851	1.26030	1.20201				AVRG		1.22039		2.65214
41 2,6-Dinitrotoluene	+++++	+++++	0.19242	0.25152	0.26962	0.27463					
	0.28782	0.28532	0.27537				AVRG		0.26238		12.59954
42 Acenaphthylene	+++++	1.64434	1.48178	1.56592	1.56283	1.52956					
	1.56569	1.61023	1.53495				AVRG		1.56191		3.18796
43 3-Nitroaniline	+++++	+++++	+++++	0.30427	0.32183	0.32299					
	0.33235	0.31127	0.30482				AVRG		0.31626		3.56213
45 Acenaphthene +	+++++	1.15493	1.00887	1.05758	1.05585	1.03922					
	1.07840	1.07828	1.02258				AVRG		1.06196		4.22970

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
46 2,4-Dinitrophenol ++	+++++	+++++	0.08652	0.10074	0.16903	0.17080						
	0.19714	0.19977	0.21809				AVRG		0.16316		31.02681	<-
47 Dibenzofuran	+++++	+++++	1.53338	1.55043	1.52183	1.53790						
	1.57066	1.55202	1.48275				AVRG		1.53557		1.82487	
48 2,4-Dinitrotoluene	+++++	+++++	0.31061	0.31379	0.35455	0.36181						
	0.37184	0.35157	0.34556				AVRG		0.34425		6.80302	
49 4-Nitrophenol ++	+++++	+++++	+++++	0.16393	0.16718	0.16225						
	0.17301	0.17462	0.17429				AVRG		0.16921		3.23580	
50 Diethylphthalate	+++++	0.96110	0.97381	1.11368	1.09530	1.11338						
	1.17079	1.13424	1.09071				AVRG		1.08163		6.91633	
51 Fluorene	+++++	1.17856	1.01792	1.15678	1.13521	1.15934						
	1.19545	1.16833	1.09845				AVRG		1.13875		4.99629	
52 4-Chlorophenyl-phenylether	+++++	0.57478	0.54346	0.56163	0.54839	0.55531						
	0.58156	0.56673	0.53458				AVRG		0.55830		2.85997	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
53 4-Nitroaniline	+++++	+++++	+++++	0.31857	0.30740	0.27698					
	0.30627	0.32406	0.29656				AVRG		0.30497		5.50817
54 4,6-Dinitro-o-cresol	+++++	+++++	698	5526	63276	86825					
	130332	151737	179347				LINR	0.13186	0.17296		0.99705
55 N-nitrosodiphenylamine (1)+	+++++	+++++	0.45923	0.52594	0.55628	0.56335					
	0.57656	0.58699	0.55801				AVRG		0.54663		7.86643
56 Azobenzene	+++++	+++++	0.66562	0.72088	0.75967	0.79619					
	0.77615	0.80018	0.74004				AVRG		0.75125		6.31054
58 4-Bromophenyl-phenylether	+++++	+++++	0.17964	0.18754	0.20333	0.21285					
	0.21756	0.22043	0.20545				AVRG		0.20383		7.49014
59 Hexachlorobenzene	0.21360	0.21749	0.20946	0.20086	0.20706	0.20768					
	0.21915	0.21824	0.20411				AVRG		0.21085		3.12189
60 Pentachlorophenol +	+++++	+++++	790	6147	66019	84775					
	128697	147511	178334				LINR	0.11438	0.16975		0.99783

GCAL, Inc.

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End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
62 Phenanthrene	+++++	1.12947	1.04958	1.02199	1.04780	1.08261					
	1.07444	1.07808	1.06614				AVRG		1.06876		2.95851
63 Anthracene	+++++	1.04511	0.91729	1.02206	1.04513	1.09079					
	1.08002	1.08598	1.05348				AVRG		1.04248		5.36051
64 Carbazole	+++++	+++++	0.87491	1.02118	0.98478	0.98058					
	0.99468	1.01903	0.99268				AVRG		0.98112		5.03714
65 Di-n-butylphthalate	+++++	+++++	0.78292	0.98236	1.09558	1.16995					
	1.17243	1.17596	1.13129				AVRG		1.07293		13.51480
M 66 Total Methylphenol	+++++	+++++	0.95706	1.10623	1.14705	1.13031					
	1.15081	1.10393	1.04484				AVRG		1.09146		6.34017
67 Fluoranthene +	+++++	0.83651	0.85548	0.95075	0.94025	0.97780					
	0.98467	1.02638	1.00163				AVRG		0.94668		7.17485
68 Benzidine	0.15576	0.12598	0.14989	0.15815	0.09737	0.06311					
	0.05203	+++++	+++++				AVRG		0.11461		38.74084 <-

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GCAL, Inc.

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Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
69 Pyrene	+++++	1.07504	1.05406	1.20593	1.30230	1.34173					
	1.36052	1.30273	1.21622				AVRG		1.23232		9.48971
71 Butylbenzylphthalate	+++++	+++++	2720	19912	193224	270016					
	369335	447127	548123				LINR	0.03648	0.61405		0.99883
72 Benzo(a)anthracene	+++++	1.14780	1.06589	1.00001	1.14722	1.07573					
	1.17434	1.18936	1.11369				AVRG		1.11425		5.71029
73 3,3'-Dichlorobenzidine	+++++	+++++	1647	12760	120255	160537					
	219487	265787	329103				LINR	0.02410	0.36577		0.99928
75 Chrysene	+++++	1.37981	1.20800	1.11843	1.13703	1.20735					
	1.18854	1.20618	1.17270				AVRG		1.20225		6.59012
76 bis(2-Ethylhexyl)phthalate	+++++	1319	2668	21368	237546	337863					
	472850	577892	697389				LINR	0.05297	0.78798		0.99814
77 Di-n-octylphthalate +	+++++	+++++	+++++	22891	345642	487046					
	714374	895966	1159958				LINR	0.24132	1.31692		0.99870

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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
78 Benzo(b)fluoranthene	+++++	2138	3959	26080	279436	403551					
	640955	803446	916092				QUAD	0.09873	0.81829	0.00446	0.99163
79 Benzo(k)fluoranthene	+++++	1.00962	1.07671	1.39610	1.54922	1.45940					
	1.44955	1.42894	1.50242				AVRG		1.35899		14.79681
80 Benzo(a)pyrene +	0.89265	0.98335	0.98062	0.94145	0.99936	1.09163					
	1.17377	1.15612	1.14005				AVRG		1.03989		9.84607
82 Indeno(1,2,3-cd)pyrene	165	1718	5724	31796	349680	454713					
	697721	898756	1160554				LINR	0.11267	1.26316		0.99508
83 Dibenzo(a,h)anthracene	48.00000	1280	4265	25522	270544	352276					
	521692	708860	923336				LINR	0.11054	1.10560		0.99529
84 Benzo(g,h,i)perylene	114	2413	6487	30037	311187	401133					
	621577	832347	1021938				LINR	0.09094	1.25542		0.99614
85 2-Picoline	+++++	+++++	+++++	1.39808	1.34936	1.27581					
	1.27533	1.27006	1.23750				AVRG		1.30102		4.61769

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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
86 N-Nitrosomethylethylamine	+++++	+++++	+++++	0.47549	0.44718	0.38832					
	0.43642	0.43920	0.40761				AVRG		0.43237		7.08692
87 Methyl methanesulfonate	+++++	+++++	+++++	0.63301	0.59836	0.53914					
	0.47597	0.46697	+++++				AVRG		0.54269		13.49493
88 N-Nitrosodiethylamine	+++++	+++++	+++++	0.53045	0.56196	0.52549					
	0.51090	0.51946	0.52224				AVRG		0.52842		3.34620
89 Ethyl methanesulfonate	+++++	+++++	+++++	0.81295	0.85684	0.78418					
	0.77498	0.77754	0.76357				AVRG		0.79501		4.34184
90 Pentachloroethane	+++++	+++++	+++++	0.53492	0.51235	0.51232					
	0.51047	0.51764	0.51982				AVRG		0.51792		1.74943
91 Acetophenone	+++++	+++++	+++++	1.27315	1.32820	1.34328					
	1.35661	1.30680	1.22136				AVRG		1.30490		3.85937
92 O-Toluidine	+++++	+++++	+++++	52936	230827	254630					
	358532	321787	500675				QUAD	0.25294	-0.10263	0.30171	0.99752

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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
93 N-Nitrosomorpholine	+++++	+++++	+++++	0.63242	0.65904	0.57176					
	0.58102	0.59330	0.56024				AVRG		0.59963		6.38053
94 N-Nitrosopiperidine	+++++	+++++	+++++	0.21448	0.20859	0.19545					
	0.20088	0.20100	0.20314				AVRG		0.20392		3.27904
95 0,0,0-Triethylphosphorothioat	+++++	+++++	+++++	0.15235	0.14745	0.14563					
	0.14709	0.15143	0.14984				AVRG		0.14897		1.78211
96 Alpha,Alpha-Dimethylphenethyl	+++++	+++++	+++++	0.51828	0.49774	0.42857					
	0.48092	0.57470	0.52512				AVRG		0.50422		9.67925
97 Hexachloropropene	+++++	+++++	+++++	0.17350	0.18056	0.19003					
	0.19611	0.19623	0.20470				AVRG		0.19019		6.01057
98 2,6-Dichlorophenol	+++++	+++++	+++++	0.29789	0.30066	0.27504					
	0.28553	0.28751	0.28750				AVRG		0.28902		3.19555
99 N-Nitrosodi-n-butylamine	+++++	+++++	+++++	0.18369	0.18726	0.17351					
	0.17829	0.17847	0.17995				AVRG		0.18019		2.64365

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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
100 p-Phenylenediamine	+++++	+++++	+++++	+++++	0.01474	0.01093						
	0.01262	0.01723	0.02006				AVRG		0.01512		24.04371	<-
101 Isosafrole	+++++	+++++	+++++	0.13018	0.12964	0.12129						
	0.12304	0.12596	0.12299				AVRG		0.12552		2.96745	
102 1,2,4,5-Tetrachlorobenzene	+++++	0.57855	0.58127	0.66269	0.59615	0.63018						
	0.60123	0.61702	0.61482				AVRG		0.61024		4.52546	
103 Safrole	+++++	+++++	+++++	1.05282	0.99765	1.00032						
	0.96573	0.98667	0.97292				AVRG		0.99602		3.10612	
104 1,4-Naphthoquinone	+++++	0.24974	0.34601	0.40773	0.27466	0.14703						
	0.06141	+++++	+++++				AVRG		0.24776		51.32166	<-
105 m-Dinitrobenzene	+++++	+++++	0.14068	0.17277	0.19561	0.18330						
	0.18848	0.21026	0.19933				AVRG		0.18435		12.29412	
106 Pentachlorobenzene	+++++	+++++	+++++	0.48786	0.47417	0.45663						
	0.45397	0.46938	0.46311				AVRG		0.46752		2.67671	

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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
107 2-Napthylamine	+++++	+++++	9837	53016	281008	265775					
	396141	401398	655719				QUAD	-0.00166	0.82148	0.24972	0.99746
108 2,3,4,6-Tetrachlorophenol	+++++	+++++	0.17131	0.20620	0.24391	0.23546					
	0.24133	0.26795	0.26782				AVRG		0.23343		14.78954
109 1-Naphthylamine	+++++	+++++	12257	57717	280086	262177					
	373829	367281	+++++				QUAD	0.03131	0.51044	0.45433	0.99638
110 Thionazin	+++++	+++++	+++++	0.17973	0.19686	0.16620					
	0.16980	0.16842	0.15793				AVRG		0.17316		7.83084
111 5-Nitro-o-toluidine	+++++	+++++	+++++	0.31309	0.33335	0.29429					
	0.29098	0.30838	0.30634				AVRG		0.30774		4.92440
112 Tetraethyldithiopyrophosphate	+++++	+++++	+++++	0.10451	0.12198	0.11335					
	0.11869	0.12466	0.13141				AVRG		0.11910		7.84856
113 Diallate	+++++	+++++	+++++	0.24245	0.21539	0.21500					
	0.20847	0.21054	0.20239				AVRG		0.21571		6.46334

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Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
114 Phorate	+++++	+++++	+++++	0.39234	0.37638	0.36721						
	0.33754	0.35611	0.31359				AVRG		0.35720		7.91052	
115 sym-Trinitrobenzene	+++++	+++++	+++++	3310	26818	28934						
	56712	67177	119262				QUAD	0.13053	14.47101	-6.02436	0.99715	<-
116 Phenacetin	+++++	+++++	+++++	0.26918	0.29711	0.28409						
	0.30915	0.34379	0.29996				AVRG		0.30055		8.43080	
117 Dimethoate	+++++	+++++	+++++	0.21119	0.21790	0.19615						
	0.20505	0.22232	0.19117				AVRG		0.20730		5.87936	
118 Pentachloronitrobenzene	+++++	+++++	+++++	0.08345	0.08991	0.08310						
	0.09113	0.09512	0.08877				AVRG		0.08858		5.23137	
119 4-Aminobiphenyl	+++++	4616	10976	51228	248691	239016						
	318298	+++++	+++++				QUAD	0.06165	0.30459	1.62073	0.99556	
120 Pronamide	+++++	+++++	+++++	0.28436	0.31383	0.29521						
	0.29261	0.32292	0.30244				AVRG		0.30189		4.73814	

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121 Dinoseb	+++++	+++++	993	6227	63686	71568						
	128200	162201	269094				QUAD	0.09085	6.21847	-1.02629	0.99493	
122 Disulfoton	+++++	+++++	+++++	0.33398	0.30911	0.26953						
	0.27531	0.28236	0.25033				AVRG		0.28677		10.46602	
123 Methyl parathion	+++++	+++++	+++++	0.17814	0.21177	0.19528						
	0.21250	0.21999	0.19830				AVRG		0.20266		7.49767	
124 4-Nitroquinoline-1-oxide	+++++	+++++	320	2062	23795	25437						
	51061	58658	+++++				QUAD	0.07874	17.94258	-14.13053	0.99782	<-
125 Parathion	+++++	+++++	+++++	0.10348	0.12355	0.11660						
	0.12400	0.13587	0.12602				AVRG		0.12159		8.90693	
126 Metapyrilene	+++++	+++++	+++++	0.18295	0.20900	0.19316						
	0.22505	0.24509	0.23339				AVRG		0.21477		11.18237	
127 Isodrin	+++++	+++++	+++++	0.12763	0.12882	0.12329						
	0.12187	0.12861	0.12246				AVRG		0.12545		2.58374	

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128 Aramite	+++++	+++++	+++++	1527	13703	14046						
	27533	34597	60861				LINR	0.18343	0.05432		0.99522	<-
129 p-(Dimethylamino)azobenzene	+++++	+++++	+++++	0.33159	0.38700	0.35837						
	0.35805	0.35815	0.35171				AVRG		0.35748		4.96808	
130 Chlorobenzilate	+++++	+++++	+++++	0.28345	0.33187	0.31142						
	0.32474	0.33465	0.33545				AVRG		0.32026		6.28453	
131 Famphur	+++++	999	3416	15437	73480	82085						
	117836	+++++	+++++				QUAD	0.04468	1.61681	4.75261	0.99171	
132 3,3'-Dimethyl benzidine	+++++	0.19122	0.31838	0.46433	0.36210	0.22532						
	0.16309	+++++	+++++				AVRG		0.28741		40.09647	<-
133 2-Acetylaminofluorene	+++++	+++++	2558	11068	104884	135973						
	271829	366299	+++++				QUAD	0.06459	2.54842	-0.34838	0.99972	
134 7,12-Dimethylbenz(a)anthracen	+++++	+++++	+++++	0.44922	0.62171	0.58855						
	0.63312	0.62986	0.60366				AVRG		0.58769		11.89420	

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	120 Level 7	160 Level 8	200 Level 9									
135 Hexachlorophene	+++++	+++++	+++++	0.00344	0.01076	0.01860						
	0.03299	0.04550	0.05312				AVRG		0.02740		72.04568	<-
136 3-Methyl cholanthrene	+++++	+++++	2460	11157	99298	135365						
	278258	357867	624745				LINR	0.11863	0.58376		0.99766	
137 Acrylamide	+++++	+++++	0.47821	0.52368	0.46958	0.49645						
	0.44009	0.45843	+++++				AVRG		0.47774		6.15070	
138 N-Nitrosopyrrolidine	+++++	+++++	0.42567	0.48665	0.46282	0.46732						
	0.49190	0.45646	+++++				AVRG		0.46514		5.10782	
139 Pthalic Acid & Anhydride	+++++	+++++	+++++	0.19975	0.14946	0.14382						
	0.15223	0.13533	+++++				AVRG		0.15612		16.16273	
140 1,4-Dinitrobenzene	+++++	+++++	1214	19262	39202	67723						
	81753	116551	+++++				LINR	0.04125	0.18327		0.99971	
141 Kepone	+++++	+++++	+++++	0.04059	0.04588	0.06681						
	0.06442	0.06146	+++++				AVRG		0.05583		21.14341	<-

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142 4,4Methylenebis2chloroanaline	+++++	+++++	+++++	12317	26519	58887						
	76721	104045	+++++				LINR	0.23981	0.15589		0.99573	
143 Tris2,3Dibromopropylphosphate	+++++	+++++	+++++	2686	6396	15313						
	21183	28204	+++++				LINR	0.29624	0.05412		0.99677	<-
144 Maleic Anhydride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	
145 1-Methylnapthalene	+++++	0.59188	0.57957	0.60907	0.58955	0.60458						
	0.60221	0.58679	0.56014				AVRG		0.59047		2.66875	
M 146 Total Methylnapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
147 N-methyldiethanolamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
148 A-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
149 3/4-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
151 2,3-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
152 2,5-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
153 3,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
154 Dimethyl Benzyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
155 Benzaldehyde	+++++	207	462	9787	58777	63097						
	70376	+++++	+++++				QUAD	0.04642	0.91391	3.61156	0.99789	
156 Caprolactam	+++++	+++++	0.05427	0.06930	0.07198	0.07629						
	0.07964	0.07262	0.06777				AVRG		0.07027		11.55526	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
157 Biphenyl	+++++	0.78161	0.68175	0.73036	0.71133	0.72719						
	0.73035	0.69514	0.65892				AVRG		0.71458		5.21331	
158 Atrazine	+++++	0.10910	0.12217	0.14832	0.13242	0.12384						
	0.11884	0.10599	0.08967				AVRG		0.11879		14.92382	
159 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
169 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
170 Indene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
171 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
172 Methyl Chrysene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	120 Level 7	160 Level 8	200 Level 9									
173 Dibenz(a,h)acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				QUAD	0.000e+00	0.000e+00	0.000e+00	0.000e+00	<-
174 1,4-Dioxane	303	1385	1616	8928	75415	86810						
	121026	152717	184284				LINR	-0.01747	0.44082		0.99960	
175 2,4and/or2,6-Diaminotoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
185 2,3and/or3,4 Diaminotoluene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
176 4-t-Butyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
177 1,2,3,4-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
178 2-Phenyl Phenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
179 Ronnel	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
180 Hexabromobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
181 Tolylene 2,6-Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
182 Tolylene 2,4-Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
183 Tolylene 2,5-diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
M 184 Tolylene Diisocyanate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
186 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
187 2-3H Benzothiazolone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
188 2-3H Benzothiazolethione	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
189 2-tet-Butyl-4-methylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
190 Methylbenzothiazole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
191 2,3,4-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				LINR	0.000e+00	0.000e+00		0.000e+00	<-
192 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
193 3,4,5-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
194 Diphenyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
195 2,5/2,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
196 2,3,4,5-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
197 Dimethylformamide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
198 4,4-Isopropylidene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				LINR	0.000e+00	0.000e+00		0.000e+03	<-
199 1,2,3,4-tetrahyrdronapthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
200 Decane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1 / 120 Level 7	1 Level 2 / 160 Level 8	2 Level 3 / 200 Level 9	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
201 Octadecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
202 1,2-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
203 1-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVRG		0.000e+00		0.000e+00	<-
$ 3 2-Fluorophenol	+++++	+++++	+++++	1.21111	1.27164	1.24307						
	1.26200	1.27179	1.20541				AVRG		1.24417		2.39270	
$ 4 Phenol-d5	+++++	+++++	+++++	1.33731	1.39565	1.34484						
	1.37844	1.36220	1.26333				AVRG		1.34696		3.43198	
$ 19 Nitrobenzene-d5	+++++	+++++	+++++	0.31834	0.33009	0.32383						
	0.33018	0.33266	0.32382				AVRG		0.32649		1.65092	
$ 37 2-Fluorobiphenyl	+++++	+++++	+++++	1.29729	1.32853	1.28052						
	1.32318	1.34952	1.29568				AVRG		1.31245		1.95090	

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Compound	0.2000 Level 1	1 Level 2	2 Level 3	10 Level 4	50 Level 5	80 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	120 Level 7	160 Level 8	200 Level 9								
$ 57 2,4,6-Tribromophenol	+++++	+++++	+++++	0.12937	0.12812	0.13079					
	0.14256	0.13608	0.13672				AVRG		0.13394		4.10563
$ 70 Terphenyl-d14	+++++	+++++	+++++	0.70193	0.80660	0.82578					
	0.83953	0.81433	0.76646				AVRG		0.79244		6.40386

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 27-DEC-2010 10:24
End Cal Date : 12-JAN-2011 10:37
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Cal Date : 18-Jan-2011 09:22 dlb

Average %RSD Results.	
Calculated Average %RSD =	8.19064
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

Data File: /var/chem/MSSV4.i/2110112.s.b/e7907.d
Report Date: 19-Jan-2011 16:27

GCAL, Inc.

RECOVERY REPORT

Client Name: 42-7-10
Sample Matrix: LIQUID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: icv70.spk
Sublist File: SA8270.sub
Method File: /var/chem/MSSV4.i/2110112.s.b/8270CE_04.m
Misc Info: STDICV*MSSV~7006~*

Client SDG: 2110112.s
Fraction: SV
Client Smp ID: STDICV
Operator: KCB
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 n-Nitrosodimethylamine	50.0	48.1	96.23	70-130
2 Pyridine	50.0	43.8	87.62	70-130
6 Phenol +	50.0	51.2	102.35	70-130
5 Aniline	50.0	46.5	93.00	70-130
7 bis(-2-Chloroethyl)Ether	50.0	48.2	96.50	70-130
8 2-Chlorophenol	50.0	50.1	100.21	70-130
9 1,3-Dichlorobenzene	50.0	49.3	98.65	70-130
11 1,4-Dichlorobenzene +	50.0	49.1	98.13	70-130
13 1,2-Dichlorobenzene	50.0	48.2	96.41	70-130
12 Benzyl alcohol	50.0	49.0	98.02	70-130
15 2-Methylphenol	50.0	51.0	102.02	70-130
14 Bis(2-chloroisopropyl)ether	50.0	49.8	99.54	70-130
17 3- & 4-Methylphenol	50.0	52.2	104.39	70-130
16 N-Nitroso-di-n-propylamine++	50.0	51.7	103.42	70-130
18 Hexachloroethane	50.0	47.6	95.24	70-130
20 Nitrobenzene	50.0	50.1	100.16	70-130
21 Isophorone	50.0	51.7	103.31	70-130
22 2-Nitrophenol +	50.0	50.3	100.63	70-130
23 2,4-Dimethyphenol	50.0	52.1	104.12	70-130
25 Benzoic Acid	50.0	53.4	106.87	70-130
24 bis(-2-Chloroethoxy)methane	50.0	50.1	100.23	70-130
26 2,4-Dichlorophenol +	50.0	50.0	99.99	70-130
27 1,2,4-Trichlorobenzene	50.0	49.5	98.96	70-130
29 Naphthalene	50.0	49.6	99.18	70-130
30 4-Chloroaniline	50.0	55.0	110.01	70-130
31 Hexachlorobutadiene +	50.0	48.4	96.71	70-130
32 4-Chloro-3-Methylphenol +	50.0	52.1	104.12	70-130
33 2-Methylnaphthalene	50.0	49.7	99.40	70-130
34 Hexachlorocyclopentadiene ++	50.0	52.6	105.18	70-130
35 2,4,6-Trichlorophenol +	50.0	47.6	95.14	70-130
36 2,4,5-Trichlorphenol	50.0	51.6	103.22	70-130
38 2-Chloronaphthalene	50.0	50.4	100.88	70-130
39 2-Nitroaniline	50.0	51.2	102.39	70-130

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 Dimethylphthalate	50.0	51.2	102.46	70-130
41 2,6-Dinitrotoluene	50.0	52.9	105.77	70-130
42 Acenaphthylene	50.0	49.8	99.63	70-130
43 3-Nitroaniline	50.0	55.6	111.26	70-130
45 Acenaphthene +	50.0	50.0	99.92	70-130
46 2,4-Dinitrophenol ++	50.0	57.0	113.92	70-130
49 4-Nitrophenol ++	50.0	53.0	105.93	70-130
48 2,4-Dinitrotoluene	50.0	54.6	109.18	70-130
47 Dibenzofuran	50.0	50.5	100.93	70-130
50 Diethylphthalate	50.0	54.6	109.22	70-130
51 Fluorene	50.0	52.0	104.07	70-130
52 4-Chlorophenyl-phenylether	50.0	50.6	101.27	70-130
55 N-nitrosodiphenylamine (1)+	50.0	50.2	100.35	70-130
53 4-Nitroaniline	50.0	54.9	109.75	70-130
54 4,6-Dinitro-o-cresol	50.0	49.9	99.74	70-130
56 Azobenzene	50.0	50.7	101.44	70-130
58 4-Bromophenyl-phenylether	50.0	49.8	99.57	70-130
59 Hexachlorobenzene	50.0	48.9	97.85	70-130
60 Pentachlorophenol +	50.0	50.5	100.95	70-130
62 Phenanthrene	50.0	51.0	102.08	70-130
63 Anthracene	50.0	52.5	105.08	70-130
65 Di-n-butylphthalate	50.0	54.7	109.32	70-130
67 Fluoranthene +	50.0	54.6	109.25	70-130
69 Pyrene	50.0	49.7	99.41	70-130
71 Butylbenzylphthalate	50.0	45.8	91.51	70-130
73 3,3'-Dichlorobenzidine	50.0	50.2	100.47	70-130
72 Benzo(a)anthracene	50.0	47.6	95.17	70-130
75 Chrysene	50.0	50.1	100.15	70-130
76 bis(2-Ethylhexyl)phthalate	50.0	45.1	90.20	70-130
77 Di-n-octylphthalate +	50.0	46.4	92.85	70-130
78 Benzo(b)fluoranthene	50.0	44.5	89.06	70-130
79 Benzo(k)fluoranthene	50.0	52.1	104.30	70-130
80 Benzo(a)pyrene +	50.0	51.6	103.23	70-130
82 Indeno(1,2,3-cd)pyrene	50.0	44.9	89.78	70-130
83 Dibenzo(a,h)anthracene	50.0	43.8	87.58	70-130
84 Benzo(g,h,i)perylene	50.0	45.5	90.94	70-130
155 Benzaldehyde	50.0	52.7	105.44	70-130
156 Caprolactam	50.0	55.9	111.87	70-130
157 Biphenyl	50.0	50.5	100.92	70-130
158 Atrazine	50.0	58.7	117.39	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	100	48.9	48.86	10-120

Data File: /var/chem/MSSV4.i/2110114.s.b/e7972.d
Report Date: 14-Jan-2011 14:27

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i
Lab File ID: e7972.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/MSSV4.i/2110114.s.b/8270CE_04.m

Injection Date: 14-JAN-2011 14:42
Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Init. Cal. Times: 10:24 10:37
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Pyridine	1.28278	1.31308	1.31308	0.050	2.36202	30.00000	Averaged
1 n-Nitrosodimethylamine	0.66692	0.67946	0.67946	0.050	1.87909	30.00000	Averaged
$ 3 2-Fluorophenol	1.24417	1.24368	1.24368	0.050	-0.03921	30.00000	Averaged
$ 4 Phenol-d5	1.34696	1.31389	1.31389	0.050	-2.45556	30.00000	Averaged
5 Aniline	42.21521	50.00000	1.26716	0.050	-15.56958	30.00000	Quadratic
6 Phenol +	1.53925	1.53319	1.53319	0.050	-0.39389	20.00000	Averaged
7 bis(-2-Chloroethyl)Ether	0.75300	0.74926	0.74926	0.050	-0.49690	30.00000	Averaged
8 2-Chlorophenol	1.33996	1.33870	1.33870	0.050	-0.09354	30.00000	Averaged
9 1,3-Dichlorobenzene	1.46702	1.46662	1.46662	0.050	-0.02788	30.00000	Averaged
11 1,4-Dichlorobenzene +	1.49696	1.50940	1.50940	0.050	0.83095	20.00000	Averaged
12 Benzyl alcohol	0.69098	0.65303	0.65303	0.050	-5.49227	30.00000	Averaged
13 1,2-Dichlorobenzene	1.41528	1.38279	1.38279	0.050	-2.29562	30.00000	Averaged
15 2-Methylphenol	1.08588	1.07753	1.07753	0.050	-0.76874	30.00000	Averaged
14 Bis(2-chloroisopropyl)ether	1.38786	1.35599	1.35599	0.050	-2.29629	30.00000	Averaged
17 3- & 4-Methylphenol	1.09705	1.08427	1.08427	0.050	-1.16480	30.00000	Averaged
16 N-Nitroso-di-n-propylamine+	0.70966	0.66833	0.66833	0.050	-5.82331	30.00000	Averaged
18 Hexachloroethane	0.54554	0.53946	0.53946	0.050	-1.11445	30.00000	Averaged
$ 19 Nitrobenzene-d5	0.32649	0.32025	0.32025	0.050	-1.91013	30.00000	Averaged
20 Nitrobenzene	0.31120	0.30578	0.30578	0.050	-1.74375	30.00000	Averaged
21 Isophorone	0.49638	0.47889	0.47889	0.050	-3.52475	30.00000	Averaged
22 2-Nitrophenol +	0.20104	0.19911	0.19911	0.050	-0.96220	20.00000	Averaged
23 2,4-Dimethyphenol	0.33764	0.34177	0.34177	0.050	1.22415	30.00000	Averaged
24 bis(-2-Chloroethoxy)methane	0.34215	0.33177	0.33177	0.050	-3.03349	30.00000	Averaged
25 Benzoic Acid	0.16310	0.12853	0.12853	0.050	-21.19961	30.00000	Averaged
26 2,4-Dichlorophenol +	0.29836	0.29488	0.29488	0.050	-1.16701	20.00000	Averaged
27 1,2,4-Trichlorobenzene	0.31960	0.32434	0.32434	0.050	1.48143	30.00000	Averaged
29 Naphthalene	0.94918	0.94203	0.94203	0.050	-0.75408	30.00000	Averaged
30 4-Chloroaniline	0.34864	0.34439	0.34439	0.050	-1.21966	30.00000	Averaged
31 Hexachlorobutadiene +	0.18815	0.18935	0.18935	0.050	0.63943	20.00000	Averaged
32 4-Chloro-3-Methylphenol +	0.26619	0.24202	0.24202	0.050	-9.07804	20.00000	Averaged
33 2-Methylnaphthalene	0.64925	0.61121	0.61121	0.050	-5.85909	30.00000	Averaged
145 1-Methylnapthalene	0.59047	0.55555	0.55555	0.050	-5.91479	30.00000	Averaged
34 Hexachlorocyclopentadiene +	0.31922	0.39493	0.39493	0.050	23.71891	30.00000	Averaged
35 2,4,6-Trichlorophenol +	49.13391	50.00000	0.41999	0.050	-1.73218	20.00000	Linear
36 2,4,5-Trichlorphenol	0.41250	0.42581	0.42581	0.050	3.22640	30.00000	Averaged
$ 37 2-Fluorobiphenyl	1.31245	1.36347	1.36347	0.050	3.88741	30.00000	Averaged

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i Injection Date: 14-JAN-2011 14:42
Lab File ID: e7972.d Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Analysis Type: WATER Init. Cal. Times: 10:24 10:37
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV4.i/2110114.s.b/8270CE_04.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
38 2-Chloronaphthalene	1.14504	1.19007	1.19007	0.050	3.93221	30.00000	Averaged
39 2-Nitroaniline	0.41051	0.39737	0.39737	0.050	-3.20076	30.00000	Averaged
40 Dimethylphthalate	1.22039	1.20518	1.20518	0.050	-1.24637	30.00000	Averaged
41 2,6-Dinitrotoluene	0.26238	0.25942	0.25942	0.050	-1.13134	30.00000	Averaged
42 Acenaphthylene	1.56191	1.55665	1.55665	0.050	-0.33682	30.00000	Averaged
43 3-Nitroaniline	0.31626	0.30520	0.30520	0.050	-3.49599	30.00000	Averaged
45 Acenaphthene +	1.06196	1.04291	1.04291	0.050	-1.79459	20.00000	Averaged
46 2,4-Dinitrophenol ++	46.07757	50.00000	0.15430	0.050	-7.84485	30.00000	Quadratic
49 4-Nitrophenol ++	0.16921	0.15400	0.15400	0.050	-8.98792	30.00000	Averaged
47 Dibenzofuran	1.53557	1.54681	1.54681	0.050	0.73223	30.00000	Averaged
48 2,4-Dinitrotoluene	0.34425	0.34107	0.34107	0.050	-0.92206	30.00000	Averaged
50 Diethylphthalate	1.08163	1.07156	1.07156	0.050	-0.93052	30.00000	Averaged
52 4-Chlorophenyl-phenylether	0.55830	0.53653	0.53653	0.050	-3.90055	30.00000	Averaged
51 Fluorene	1.13875	1.14513	1.14513	0.050	0.56038	30.00000	Averaged
53 4-Nitroaniline	0.30497	0.30051	0.30051	0.050	-1.46214	30.00000	Averaged
54 4,6-Dinitro-o-cresol	46.81279	50.00000	0.14369	0.050	-6.37443	30.00000	Linear
55 N-nitrosodiphenylamine (1)+	0.54663	0.54760	0.54760	0.050	0.17764	20.00000	Averaged
56 Azobenzene	0.75125	0.78301	0.78301	0.050	4.22804	30.00000	Averaged
$ 57 2,4,6-Tribromophenol	0.13394	0.12812	0.12812	0.050	-4.34502	30.00000	Averaged
58 4-Bromophenyl-phenylether	0.20383	0.20553	0.20553	0.050	0.83330	30.00000	Averaged
59 Hexachlorobenzene	0.21085	0.20425	0.20425	0.050	-3.13051	30.00000	Averaged
60 Pentachlorophenol +	45.91550	50.00000	0.14035	0.050	-8.16900	20.00000	Linear
62 Phenanthrene	1.06876	1.02833	1.02833	0.050	-3.78294	30.00000	Averaged
63 Anthracene	1.04248	1.05600	1.05600	0.050	1.29659	30.00000	Averaged
64 Carbazole	0.98112	0.99891	0.99891	0.050	1.81359	30.00000	Averaged
65 Di-n-butylphthalate	1.07293	1.07844	1.07844	0.050	0.51396	30.00000	Averaged
67 Fluoranthene +	0.94668	0.98745	0.98745	0.050	4.30593	20.00000	Averaged
68 Benzidine	0.11461	0.08736	0.08736	0.050	-23.77676	30.00000	Averaged
69 Pyrene	1.23232	1.43075	1.43075	0.050	16.10287	30.00000	Averaged
$ 70 Terphenyl-d14	0.79244	0.87054	0.87054	0.050	9.85603	30.00000	Averaged
71 Butylbenzylphthalate	49.31672	50.00000	0.58774	0.050	-1.36656	30.00000	Linear
73 3,3'-Dichlorobenzidine	48.81923	50.00000	0.35008	0.050	-2.36154	30.00000	Linear
72 Benzo(a)anthracene	1.11425	1.05674	1.05674	0.050	-5.16178	30.00000	Averaged
76 bis(2-Ethylhexyl)phthalate	44.93608	50.00000	0.67478	0.050	-10.12784	30.00000	Linear
75 Chrysene	1.20225	1.23900	1.23900	0.050	3.05605	30.00000	Averaged

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i Injection Date: 14-JAN-2011 14:42
Lab File ID: e7972.d Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Analysis Type: WATER Init. Cal. Times: 10:24 10:37
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV4.i/2110114.s.b/8270CE_04.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Di-n-octylphthalate +	42.88036	50.00000	0.87516	0.050	-14.23928	20.00000	Linear
78 Benzo(b)fluoranthene	44.32577	50.00000	0.98031	0.050	-11.34847	30.00000	Quadratic
79 Benzo(k)fluoranthene	1.35899	1.47756	1.47756	0.050	8.72497	30.00000	Averaged
80 Benzo(a)pyrene +	1.03989	1.05500	1.05500	0.050	1.45288	20.00000	Averaged
82 Indeno(1,2,3-cd)pyrene	40.88510	50.00000	0.91903	0.050	-18.22980	30.00000	Linear
83 Dibenzo(a,h)anthracene	43.84797	50.00000	0.87180	0.050	-12.30406	30.00000	Linear
84 Benzo(g,h,i)perylene	46.33714	50.00000	1.07212	0.050	-7.32572	30.00000	Linear
M 66 Total Methylphenol	1.09146	1.08090	1.08090	0.050	-0.96778	30.00000	Averaged
91 Acetophenone	1.30490	1.26843	1.26843	0.050	-2.79451	30.00000	Averaged
155 Benzaldehyde	51.78637	50.00000	0.37987	0.050	3.57275	30.00000	Quadratic
156 Caprolactam	0.07027	0.06003	0.06003	0.050	-14.57457	30.00000	Averaged
157 Biphenyl	0.71458	0.66136	0.66136	0.050	-7.44768	30.00000	Averaged
158 Atrazine	0.11879	0.13083	0.13083	0.050	10.12892	30.00000	Averaged
174 1,4-Dioxane	51.22342	50.00000	0.45777	0.050	2.44685	30.00000	Linear

Average %D / Drift Results.

Calculated Average %D/Drift = 4.73174
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/MSSV4.i/2110117.s.b/e8008.d
Report Date: 17-Jan-2011 14:21

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i
Lab File ID: e8008.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/MSSV4.i/2110117.s.b/8270CE_04.m

Injection Date: 17-JAN-2011 08:38
Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Init. Cal. Times: 10:24 10:37
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 Pyridine	1.28278	1.44319	1.44319	0.050	12.50427	30.00000	Averaged
1 n-Nitrosodimethylamine	0.66692	0.67383	0.67383	0.050	1.03516	30.00000	Averaged
$ 3 2-Fluorophenol	1.24417	1.27244	1.27244	0.050	2.27246	30.00000	Averaged
$ 4 Phenol-d5	1.34696	1.34552	1.34552	0.050	-0.10666	30.00000	Averaged
5 Aniline	41.51068	50.00000	1.25562	0.050	-16.97863	30.00000	Quadratic
6 Phenol +	1.53925	1.56060	1.56060	0.050	1.38687	20.00000	Averaged
7 bis(-2-Chloroethyl)Ether	0.75300	0.77644	0.77644	0.050	3.11301	30.00000	Averaged
8 2-Chlorophenol	1.33996	1.38542	1.38542	0.050	3.39289	30.00000	Averaged
9 1,3-Dichlorobenzene	1.46702	1.50131	1.50131	0.050	2.33713	30.00000	Averaged
11 1,4-Dichlorobenzene +	1.49696	1.51178	1.51178	0.050	0.99005	20.00000	Averaged
12 Benzyl alcohol	0.69098	0.66739	0.66739	0.050	-3.41529	30.00000	Averaged
13 1,2-Dichlorobenzene	1.41528	1.40542	1.40542	0.050	-0.69693	30.00000	Averaged
15 2-Methylphenol	1.08588	1.06532	1.06532	0.050	-1.89318	30.00000	Averaged
14 Bis(2-chloroisopropyl)ether	1.38786	1.39339	1.39339	0.050	0.39853	30.00000	Averaged
17 3- & 4-Methylphenol	1.09705	1.08652	1.08652	0.050	-0.96032	30.00000	Averaged
16 N-Nitroso-di-n-propylamine+	0.70966	0.66552	0.66552	0.050	-6.21964	30.00000	Averaged
18 Hexachloroethane	0.54554	0.55216	0.55216	0.050	1.21323	30.00000	Averaged
$ 19 Nitrobenzene-d5	0.32649	0.32814	0.32814	0.050	0.50548	30.00000	Averaged
20 Nitrobenzene	0.31120	0.31166	0.31166	0.050	0.14619	30.00000	Averaged
21 Isophorone	0.49638	0.48588	0.48588	0.050	-2.11640	30.00000	Averaged
22 2-Nitrophenol +	0.20104	0.20996	0.20996	0.050	4.43605	20.00000	Averaged
23 2,4-Dimethyphenol	0.33764	0.34655	0.34655	0.050	2.64037	30.00000	Averaged
24 bis(-2-Chloroethoxy)methane	0.34215	0.33456	0.33456	0.050	-2.21678	30.00000	Averaged
25 Benzoic Acid	0.16310	0.12989	0.12989	0.050	-20.36367	30.00000	Averaged
26 2,4-Dichlorophenol +	0.29836	0.28972	0.28972	0.050	-2.89564	20.00000	Averaged
27 1,2,4-Trichlorobenzene	0.31960	0.31729	0.31729	0.050	-0.72243	30.00000	Averaged
29 Naphthalene	0.94918	0.93108	0.93108	0.050	-1.90722	30.00000	Averaged
30 4-Chloroaniline	0.34864	0.34443	0.34443	0.050	-1.20617	30.00000	Averaged
31 Hexachlorobutadiene +	0.18815	0.18602	0.18602	0.050	-1.12873	20.00000	Averaged
32 4-Chloro-3-Methylphenol +	0.26619	0.25097	0.25097	0.050	-5.71642	20.00000	Averaged
33 2-Methylnaphthalene	0.64925	0.60925	0.60925	0.050	-6.16101	30.00000	Averaged
145 1-Methylnapthalene	0.59047	0.56084	0.56084	0.050	-5.01803	30.00000	Averaged
34 Hexachlorocyclopentadiene +	0.31922	0.39788	0.39788	0.050	24.64415	30.00000	Averaged
35 2,4,6-Trichlorophenol +	49.07052	50.00000	0.41943	0.050	-1.85896	20.00000	Linear
36 2,4,5-Trichlorphenol	0.41250	0.44390	0.44390	0.050	7.61181	30.00000	Averaged
$ 37 2-Fluorobiphenyl	1.31245	1.35749	1.35749	0.050	3.43117	30.00000	Averaged

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i Injection Date: 17-JAN-2011 08:38
Lab File ID: e8008.d Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Analysis Type: WATER Init. Cal. Times: 10:24 10:37
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV4.i/2110117.s.b/8270CE_04.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Chloronaphthalene	1.14504	1.19855	1.19855	0.050	4.67262	30.00000	Averaged	
39 2-Nitroaniline	0.41051	0.41886	0.41886	0.050	2.03339	30.00000	Averaged	
40 Dimethylphthalate	1.22039	1.16389	1.16389	0.050	-4.62932	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.26238	0.25793	0.25793	0.050	-1.69861	30.00000	Averaged	
42 Acenaphthylene	1.56191	1.54903	1.54903	0.050	-0.82449	30.00000	Averaged	
43 3-Nitroaniline	0.31626	0.29927	0.29927	0.050	-5.37039	30.00000	Averaged	
45 Acenaphthene +	1.06196	1.06652	1.06652	0.050	0.42946	20.00000	Averaged	
46 2,4-Dinitrophenol ++	46.74133	50.00000	0.15678	0.050	-6.51734	30.00000	Quadratic	
49 4-Nitrophenol ++	0.16921	0.14069	0.14069	0.050	-16.85613	30.00000	Averaged	
47 Dibenzofuran	1.53557	1.50893	1.50893	0.050	-1.73445	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.34425	0.31592	0.31592	0.050	-8.22890	30.00000	Averaged	
50 Diethylphthalate	1.08163	1.06226	1.06226	0.050	-1.79050	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.55830	0.53569	0.53569	0.050	-4.05114	30.00000	Averaged	
51 Fluorene	1.13875	1.13014	1.13014	0.050	-0.75676	30.00000	Averaged	
53 4-Nitroaniline	0.30497	0.27225	0.27225	0.050	-10.73153	30.00000	Averaged	
54 4,6-Dinitro-o-cresol	45.28355	50.00000	0.13840	0.050	-9.43291	30.00000	Linear	
55 N-nitrosodiphenylamine (1)+	0.54663	0.58869	0.58869	0.050	7.69565	20.00000	Averaged	
56 Azobenzene	0.75125	0.82899	0.82899	0.050	10.34882	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.13394	0.12105	0.12105	0.050	-9.62502	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.20383	0.21686	0.21686	0.050	6.39521	30.00000	Averaged	
59 Hexachlorobenzene	0.21085	0.20501	0.20501	0.050	-2.76776	30.00000	Averaged	
60 Pentachlorophenol +	46.51836	50.00000	0.14239	0.050	-6.96328	20.00000	Linear	
62 Phenanthrene	1.06876	1.11894	1.11894	0.050	4.69509	30.00000	Averaged	
63 Anthracene	1.04248	1.07636	1.07636	0.050	3.24985	30.00000	Averaged	
64 Carbazole	0.98112	0.93334	0.93334	0.050	-4.86993	30.00000	Averaged	
65 Di-n-butylphthalate	1.07293	1.07783	1.07783	0.050	0.45696	30.00000	Averaged	
67 Fluoranthene +	0.94668	0.86493	0.86493	0.050	-8.63612	20.00000	Averaged	
68 Benzidine	0.11461	0.06446	0.06446	0.050	-43.76294	30.00000	Averaged	<-
69 Pyrene	1.23232	1.56145	1.56145	0.050	26.70862	30.00000	Averaged	
$ 70 Terphenyl-d14	0.79244	0.92944	0.92944	0.050	17.28849	30.00000	Averaged	
71 Butylbenzylphthalate	52.99382	50.00000	0.63290	0.050	5.98764	30.00000	Linear	
73 3,3'-Dichlorobenzidine	50.46831	50.00000	0.36214	0.050	0.93663	30.00000	Linear	
72 Benzo(a)anthracene	1.11425	1.11067	1.11067	0.050	-0.32203	30.00000	Averaged	
76 bis(2-Ethylhexyl)phthalate	50.84391	50.00000	0.76788	0.050	1.68781	30.00000	Linear	
75 Chrysene	1.20225	1.18525	1.18525	0.050	-1.41444	30.00000	Averaged	

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV4.i Injection Date: 17-JAN-2011 08:38
Lab File ID: e8008.d Init. Cal. Date(s): 27-DEC-2010 12-JAN-2011
Analysis Type: WATER Init. Cal. Times: 10:24 10:37
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV4.i/2110117.s.b/8270CE_04.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Di-n-octylphthalate +	50.34193	50.00000	1.07169	0.050	0.68385	20.00000	Linear
78 Benzo(b)fluoranthene	47.69499	50.00000	1.06153	0.050	-4.61002	30.00000	Quadratic
79 Benzo(k)fluoranthene	1.35899	1.47917	1.47917	0.050	8.84275	30.00000	Averaged
80 Benzo(a)pyrene +	1.03989	1.07634	1.07634	0.050	3.50563	20.00000	Averaged
82 Indeno(1,2,3-cd)pyrene	41.00736	50.00000	0.92212	0.050	-17.98528	30.00000	Linear
83 Dibenzo(a,h)anthracene	43.23254	50.00000	0.85819	0.050	-13.53493	30.00000	Linear
84 Benzo(g,h,i)perylene	41.79220	50.00000	0.95800	0.050	-16.41561	30.00000	Linear
M 66 Total Methylphenol	1.09146	1.07592	1.07592	0.050	-1.42436	30.00000	Averaged
91 Acetophenone	1.30490	1.25351	1.25351	0.050	-3.93798	30.00000	Averaged
155 Benzaldehyde	36.41362	50.00000	0.30293	0.050	-27.17276	30.00000	Quadratic
156 Caprolactam	0.07027	0.06224	0.06224	0.050	-11.42854	30.00000	Averaged
157 Biphenyl	0.71458	0.65745	0.65745	0.050	-7.99447	30.00000	Averaged
158 Atrazine	0.11879	0.12838	0.12838	0.050	8.06888	30.00000	Averaged
174 1,4-Dioxane	51.91553	50.00000	0.46387	0.050	3.83105	30.00000	Linear

Average %D / Drift Results.

Calculated Average %D/Drift = 6.19585
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL | Contract:

Lab Code: LA024 | Case No.: | SAS No.: | SDG No.: 211011405

Lab File ID (Standard): 2110114/e7972 | Date Analyzed: 01/14/11 | Time: 1442

Instrument ID: MSSV4 | GC Column: RTX-5MS-30 | ID: .25 (mm)

Analytical Batch: 448983 | Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	413290	3.16	193833	4.23	282310	5.14

	EPA Sample No.		#		#		#		#		#		#
1 .	MB912529	390492		3.16		194040		4.23		265019		5.14	
2 .	T-15-F MSD	430512		3.16		217830		4.23		297327		5.14	
3 .	T-21-F	426254		3.16		190897		4.23		239002		5.14	
4 .	NC-0-0.3	374183		3.16		169222		4.23		230571		5.14	
5 .	T-2-WEST	402967		3.16		186153		4.23		242141		5.14	
6 .	T-6-FLOOR	426534		3.16		186213		4.23		243305		5.14	
7 .	T-6-EAST	431891		3.16		196907		4.23		261558		5.14	
8 .	T-6-SOUTH	413858		3.16		197126		4.23		260879		5.14	
9 .	T-6-NORTH	410268		3.16		192810		4.23		252106		5.14	
10 .	BLIND DUP	432228		3.16		194772		4.23		255574		5.14	
11 .	SC-W	333542		3.16		150529		4.23		212227		5.14	
12 .	LCS912530	350297		3.16		166774		4.23		232945		5.14	
13 .	SC-E	447213		3.16		215381		4.23		287272		5.14	
14 .	LCSD912531	372481		3.16		178672		4.23		254533		5.14	
15 .	EQUIPMENT BLANK	281450		3.16		137066		4.23		202373		5.14	
16 .	MB912490	354388		3.16		180114		4.23		253895		5.14	
17 .	LCS912491	343667		3.16		169127		4.23		235722		5.14	
18 .	LCSD912492	484846		3.16		232203		4.23		298478		5.14	
19 .	T-15-F	434600		3.16		222302		4.23		318057		5.14	
20 .	T-15-F MS	355249		3.16		162522		4.23		219100		5.14	

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): 2110114/e7972 Date Analyzed: 01/14/11 Time: 1442

Instrument ID: MSSV4 GC Column: RTX-5MS-30 ID: .25 (mm)

Method: SW-846 8270

		IS 4				IS 5				IS 6			
		Area		RT		Area		RT		Area		RT	
	STANDARD	157131		8.07		196359		6.95		120746		2.42	
			#		#		#		#		#		#
1 .	MB912529	110011		8.07		147738		6.95		109326		2.43	
2 .	T-15-F MSD	160991		8.07		192516		6.95		125299		2.42	
3 .	T-21-F	165633		8.08		160347		6.95		132632		2.43	
4 .	NC-0-0.3	243561		8.08		196972		6.96		116852		2.43	
5 .	T-2-WEST	195075		8.08		173021		6.95		118807		2.43	
6 .	T-6-FLOOR	204739		8.08		182758		6.95		130748		2.43	
7 .	T-6-EAST	216971		8.07		185618		6.95		119937		2.43	
8 .	T-6-SOUTH	218837		8.08		203066		6.95		125574		2.43	
9 .	T-6-NORTH	208009		8.08		185357		6.95		121593		2.43	
10 .	BLIND DUP	218439		8.08		194026		6.95		124904		2.43	
11 .	SC-W	236097		8.08		187200		6.96		107541		2.42	
12 .	LCS912530	126441		8.07		152802		6.96		104684		2.43	
13 .	SC-E	221458		8.08		209057		6.95		132651		2.43	
14 .	LCSD912531	133745		8.07		169957		6.95		106123		2.43	
15 .	EQUIPMENT BLANK	101197		8.07		128135		6.95		83106		2.42	
16 .	MB912490	144498		8.07		180527		6.95		101409		2.42	
17 .	LCS912491	146282		8.07		181324		6.96		100755		2.42	
18 .	LCSD912492	156083		8.07		205243		6.96		138205		2.43	
19 .	T-15-F	168475		8.07		197329		6.95		124128		2.42	
20 .	T-15-F MS	153371		8.07		172241		6.96		105934		2.42	

IS 4 ID : Perylene-d12
IS 5 ID : Chrysene-d12
IS 6 ID : 1,4-Dichlorobenzene-d4

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

Column used to flag internal standard values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 211011405

Lab File ID (Standard): 2110117/e8008

Date Analyzed: 01/17/11 Time: 0838

Instrument ID: MSSV4

GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 449083

Method: SW-846 8270

	IS 1			IS 2			IS 3		
	Area		RT	Area		RT	Area		RT
STANDARD	550303		3.17	257177		4.23	348019		5.14
EPA Sample No.		#			#			#	
1 . T-21-F	391142		3.16	184711		4.23	249272		5.14

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.

FORM VIIII SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:

Contract:

Lab Code: Case No.:

SAS No.: SDG No.:

Lab File ID (Standard): 2110117/e8008

Date Analyzed: 01/17/11 Time: 0838

Instrument ID: MSSV4

GC Column: RTX-5MS-30 ID: .25 (mm)

Method: SW-846 8270

	IS 4			IS 5			IS 6		
	Area		RT	Area		RT	Area		RT
STANDARD	163880		8.08	198959		6.96	162920		2.43
		#	#		#	#		#	#
1 . T-21-F	121766		8.08	152267		6.96	113225		2.43

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.

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 1-14-11	Start: 1030	End: 1403	BATCH NO:	448916 8270C
MATRIX:	WATER ☐	SOIL ☑	OTHER ☐	LEVEL: LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT mL g	FINAL VOLUME (mL)	BN pH	Acid pH	SAMPLE TYPE	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 448916 [EXTO/27518]	912490	30.1	1.0			MB	-	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 448916 [EXTO/27518	912491	30.2	1.0			LCS	-	
3	QC ACCOUNT	LCSD for HBN 448916 [EXTO/2751	912492	30.3	1.0			LCSD	-	SEPARATORY FUNNEL/3510
4	4482	T-15-F	21101140501	30.1	1.0			SAMPLE	625_SPK	
5	4482	T-15-F MS	21101140502	30.0	1.0			MS	625_SPK	SONICATOR/3550
6	4482	T-15-F MSD	21101140503	30.0	1.0			MSD	625_SPK	✓
7	4482	T-21-F	21101140504	30.0	1.0			SAMPLE	625_SPK	SOXHLET/3540
8	4482	NC-0-0.3	21101140505	30.2	1.0			SAMPLE	625_SPK	
9	4482	T-2-WEST	21101140506	30.0	1.0			SAMPLE	625_SPK	GPC CLEANUP/3640
10	4482	T-6-FLOOR	21101140507	30.1	1.0			SAMPLE	625_SPK	
11	4482	T-6-EAST	21101140508	30.0	1.0			SAMPLE	625_SPK	WASTE DILUTION/3580
12	4482	T-6-SOUTH	21101140509	30.4	1.0			SAMPLE	625_SPK	
13	4482	T-6-NORTH	21101140510	30.2	1.0			SAMPLE	625_SPK	TCLP EXTRACTION FLUID 1
14	4482	BLIND DUP	21101140511	30.1	1.0			FLDDUP	625_SPK	
15	4482	SC-W	21101140512	30.0	1.0			SAMPLE	625_SPK	TCLP EXTRACTION FLUID 2
16	4482	SC-E	21101140513	30.2	1.0			SAMPLE	625_SPK	
17			21101140801	30.1	1.0					MECL2/Acetone No:
18										
19										ACETONE LOT NO: 105788
20										
21										MeCL2 Lot No: 105359
22										
23										Sodium Sulfate Lot No: 104119
24										
25										
26										
27										
28										

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

BALANCE ID: SN7123450167 TEMP:

SURROGATE ID	S67-2-2	8270 SPIKE ID		625 SPIKE ID	495-46-2	TECHNICIAN	DATE
VOLUME	1.0 ml	VOLUME		VOLUME	1.0 ml	Chauvier	1/14/11
CONCENTRATION	80 100 ug/ml	CONCENTRATION		CONCENTRATION	100 ug/ml		1/14/11
NaOH		ACID				SUPERVISOR	DATE
SPIKE WITNESS	[illegible]					[illegible]	1/14/11

Revision 3, 10/04/2010

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME: 1-14-11	Start: 1135 End: 1306	BATCH NO:	448924 8270C(625 spk)
MATRIX:	WATER ☑ SOIL ☐ OTHER ☐	LEVEL:	LOW ☑ MEDIUM ☐

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT (mL) g	FINAL VOLUME (mL)	BN pH	Acid pH	SAMPLE TYPE	COMMENTS	METHOD
1	QC ACCOUNT	MB for HBN 448924 [EXTO/27520]	912529	1000	1.0	>11	<2	MB	-	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 448924 [EXTO/27520	912530	1000	1.0	>11	<2	LCS	-	
3	QC ACCOUNT	LCSD for HBN 448924 [EXTO/2752	912531	1000	1.0	>11	<2	LCSD	-	SEPARATORY FUNNEL/3510
4	4482	EQUIPMENT BLANK	21101140514	990	1.0	>11	<2	EQBK	625_SPK	✓
5										SONICATOR/3550
6										
7										SOXHLET/3540
8										
9										GPC CLEANUP/3640
10										
11										WASTE DILUTION/3580
12										
13										TCLP EXTRACTION FLUID 1
14										
15										TCLP EXTRACTION FLUID 2
16										
17										MECL2/Acetone No:
18										
19										ACETONE LOT NO:
20										
21										MeCL2 Lot No:
22										105359
23										Sodium Sulfate Lot No:
24										103837
25										
26										
27										
28										

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

BALANCE ID: n/a TEMP: 101

SURROGATE ID	507-2-2	8270 SPIKE ID		625 SPIKE ID	485-46-2	TECHNICIAN	DATE
VOLUME	1.0 ml	VOLUME		VOLUME	1.0 ml		1-14-11
CONCENTRATION	50/100 ug/ml	CONCENTRATION		CONCENTRATION	100 ug/ml		
NaOH	502-7-4	ACID	36-3-4			SUPERVISOR	DATE
SPIKE WITNESS							1-14-11

Revision 3, 10/04/2010

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 12-JAN-2011
Instrument: MSSV4.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: _____

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1100	42-9-11	e7895c.d	0.00 ml	12-JAN-2011 07:43	1.000	KCB	1	all
1100	42-9-11	e7895.d	0.00 ml	12-JAN-2011 07:43	1.000	KCB	1	all
1100	42-9-11	e7895d.d	1000.00 ml	12-JAN-2011 07:43	1.000	KCB	1	all
1400	42-7-1	e7896.d	1000.00 ml	12-JAN-2011 08:00	1.000	KCB	2	8270c
1205	42-7-1	e7897.d	1000.00 ml	12-JAN-2011 08:21	1.000	KCB	2	8270c
1205	42-7-1	e7897d.d	1000.00 ml	12-JAN-2011 08:21	1.000	KCB	2	8270c
1204	42-7-2	e7898.d	1000.00 ml	12-JAN-2011 08:38	1.000	KCB	3	8270c
1204	42-7-2	e7898d.d	1000.00 ml	12-JAN-2011 08:38	1.000	KCB	3	8270c
1206	42-7-3	e7899.d	1000.00 ml	12-JAN-2011 08:54	1.000	KCB	4	8270c
1206	42-7-3	e7899d.d	1000.00 ml	12-JAN-2011 08:54	1.000	KCB	4	8270c
1207	42-7-4	e7900.d	1000.00 ml	12-JAN-2011 09:11	1.000	KCB	5	8270c
1207	42-7-4	e7900d.d	1000.00 ml	12-JAN-2011 09:11	1.000	KCB	5	8270c
1208	42-7-5	e7901.d	1000.00 ml	12-JAN-2011 09:28	1.000	KCB	6	8270c
1208	42-7-5	e7901d.d	1000.00 ml	12-JAN-2011 09:28	1.000	KCB	6	8270c
1209	42-7-6	e7902.d	1000.00 ml	12-JAN-2011 09:45	1.000	KCB	7	8270c
1209	42-7-6	e7902d.d	1000.00 ml	12-JAN-2011 09:45	1.000	KCB	7	8270c
1203	42-7-7	e7903.d	1000.00 ml	12-JAN-2011 10:02	1.000	KCB	8	8270c
1203	42-7-7	e7903d.d	1000.00 ml	12-JAN-2011 10:02	1.000	KCB	8	8270c
1202	42-7-8	e7904.d	1000.00 ml	12-JAN-2011 10:19	1.000	KCB	9	8270c
1201	42-7-9	e7905.d	1000.00 ml	12-JAN-2011 10:37	1.000	KCB	10	8270c
1600	42-7-10	e7906.d	1000.00 ml	12-JAN-2011 10:54	1.000	KCB	11	SA8270
1600	42-7-10	e7907.d	1000.00 ml	12-JAN-2011 11:49	1.000	KCB	11	SA8270
1600	42-7-10	e7907d.d	1000.00 ml	12-JAN-2011 11:49	1.000	KCB	11	SA8270
911074	BLK	e7908.d	30.10 g	12-JAN-2011 12:22	1.000	KCB	12	176115
911075	LCS	e7909.d	30.00 g	12-JAN-2011 12:39	1.000	KCB	13	176115
911076	LCSD	e7910.d	30.00 g	12-JAN-2011 12:56	1.000	KCB	14	176115
21101080701	4744	e7911.d	30.00 g	12-JAN-2011 13:16	10.000	KCB	15	176115
21101080701	4744	e7912.d	30.00 g	12-JAN-2011 13:39	2.000	KCB	37	176115
911077	MS	e7913.d	30.20 g	12-JAN-2011 13:55	2.000	KCB	16	176115
911078	MSD	e7914.d	30.10 g	12-JAN-2011 14:11	2.000	KCB	17	176115
21101080702	4744	e7915.d	30.20 g	12-JAN-2011 14:28	1.000	KCB	18	176115
21101080703	4744	e7916.d	30.10 g	12-JAN-2011 14:44	1.000	KCB	19	176115
21101080704	4744	e7917.d	30.20 g	12-JAN-2011 15:01	1.000	KCB	20	176115
21101080705	4744	e7918.d	30.30 g	12-JAN-2011 15:18	1.000	KCB	21	176115
911077	MS	e7919.d	30.20 g	12-JAN-2011 15:35	2.000	KCB	38	176115
911077	MS	e7920.d	30.20 g	12-JAN-2011 15:54	2.000	KCB	38	176115

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 14-JAN-2011
Instrument: MSSV4.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions:

MISC:

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1100	42-9-11	e7970c.d	0.00 ml	14-JAN-2011 14:09	1.000	KCB	1	all
1100	42-9-11	e7970.d	0.00 ml	14-JAN-2011 14:09	1.000	KCB	1	all
1100	42-9-11	e7970d.d	0.00 ml	14-JAN-2011 14:09	1.000	KCB	1	all
1400	42-7-1	e7971.d	1000.00 ml	14-JAN-2011 14:26	1.000	KCB	2	SA8270
1400	42-7-1	e7972.d	1000.00 ml	14-JAN-2011 14:42	1.000	KCB	2	8270c
1400	42-7-1	e7972d.d	1000.00 ml	14-JAN-2011 14:42	1.000	KCB	2	8270c
912529	BLK	e7973.d	1000.00 ml	14-JAN-2011 14:59	1.000	KCB	3	SA8270
912530	LCS	e7974.d	1000.00 ml	14-JAN-2011 15:16	1.000	KCB	4	8270qc
912531	LCSD	e7975.d	1000.00 ml	14-JAN-2011 15:33	1.000	KCB	5	8270qc
21101140514	4482	e7976.d	990.00 ml	14-JAN-2011 15:49	1.000	KCB	6	SA8270
912490	BLK	e7977.d	30.10 g	14-JAN-2011 16:06	1.000	KCB	7	SA8270
912491	LCS	e7978.d	30.20 g	14-JAN-2011 16:23	1.000	KCB	8	8270qc
912492	LCSD	e7979.d	30.30 g	14-JAN-2011 16:39	1.000	KCB	9	8270qc
21101140501	4482	e7980.d	30.10 g	14-JAN-2011 16:56	1.000	KCB	10	SA8270
21101140502	MS	e7981.d	30.00 g	14-JAN-2011 17:13	1.000	KCB	11	8270qc
21101140503	MSD	e7982.d	30.00 g	14-JAN-2011 17:29	1.000	KCB	12	8270qc
21101140504	4482	e7983.d	30.00 g	14-JAN-2011 17:46	1.000	KCB	13	SA8270
21101140505	4482	e7984.d	30.20 g	14-JAN-2011 18:03	1.000	KCB	14	SA8270
21101140506	4482	e7985.d	30.00 g	14-JAN-2011 18:19	1.000	KCB	15	SA8270
21101140507	4482	e7986.d	30.10 g	14-JAN-2011 18:36	1.000	KCB	16	SA8270
21101140508	4482	e7987.d	30.00 g	14-JAN-2011 18:53	1.000	KCB	17	SA8270
21101140509	4482	e7988.d	30.40 g	14-JAN-2011 19:09	1.000	KCB	18	SA8270
21101140510	4482	e7989.d	30.20 g	14-JAN-2011 19:26	1.000	KCB	19	SA8270
21101140511	4482	e7990.d	30.10 g	14-JAN-2011 19:43	1.000	KCB	20	SA8270
21101140512	4482	e7991.d	30.00 g	14-JAN-2011 20:00	1.000	KCB	21	SA8270
21101140513	4482	e7992.d	30.20 g	14-JAN-2011 20:16	1.000	KCB	22	SA8270
912532	BLK	e7993.d	30.10 g	14-JAN-2011 20:33	1.000	KCB	24	176115
912533	LCS	e7994.d	30.00 g	14-JAN-2011 20:50	1.000	KCB	25	176115
912534	LCSD	e7995.d	30.20 g	14-JAN-2011 21:06	1.000	KCB	26	176115
21101140612	4744	e7996.d	30.10 g	14-JAN-2011 21:23	1.000	KCB	27	176115
912733	MS	e7997.d	30.00 g	14-JAN-2011 21:40	1.000	KCB	28	176115
912734	MSD	e7998.d	30.00 g	14-JAN-2011 21:57	1.000	KCB	29	176115
21101140613	4744	e7999.d	30.30 g	14-JAN-2011 22:14	1.000	KCB	30	176115
21101140614	4744	e8000.d	30.20 g	14-JAN-2011 22:30	1.000	KCB	31	176115
21101140801	4692	e8001.d	30.10 g	14-JAN-2011 22:47	5.000	KCB	23	pah++lcs
SOL BLK	SOL BLK	e8002.d	1000.00 ml	14-JAN-2011 23:57	1.000	KCB	100	SA8270

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 17-JAN-2011
Instrument: MSSV4.i

Standard	Conc ppm	Lot No.
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: _____

Sample ID	ClientName	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1100	42-9-11	e8006.d	0.00 ml	17-JAN-2011 08:05	1.000	KCB	1	all
1100	42-9-11	e8007c.d	0.00 ml	17-JAN-2011 08:22	1.000	KCB	1	all
1100	42-9-11	e8007.d	0.00 ml	17-JAN-2011 08:22	1.000	KCB	1	all
1400	42-7-1	e8008.d	1000.00 ml	17-JAN-2011 08:38	1.000	KCB	2	8270c
21101140504	4482	e8009.d	30.00 g	17-JAN-2011 08:56	10.000	KCB	3	SA8270
SOL BLK	SOL BLK	e8010.d	1000.00 ml	17-JAN-2011 09:13	1.000	KCB	100	SA8270
1400	42-2-2	e8011.d	1000.00 ml	17-JAN-2011 14:03	1.000	KCB	4	APP9
913174	BLK	e8012.d	30.00 g	17-JAN-2011 14:20	1.000	KCB	5	SA8270
913175	LCS	e8013.d	30.00 g	17-JAN-2011 14:37	1.000	KCB	6	lcs
913173	LCSD	e8014.d	30.00 g	17-JAN-2011 14:53	1.000	KCB	7	lcs
21101143101	4260	e8015.d	17.10 g	17-JAN-2011 15:10	5.000	KCB	8	SA8270
21101143102	4260	e8016.d	30.00 g	17-JAN-2011 15:26	5.000	KCB	9	SA8270
913174	BLK	e8017.d	30.00 g	17-JAN-2011 15:53	1.000	KCB	5	SA8270
913175	LCS	e8018.d	30.00 g	17-JAN-2011 16:29	1.000	KCB	6	SA8270
913173	LCSD	e8019.d	30.00 g	17-JAN-2011 16:45	1.000	KCB	7	lcs
913175	LCS	e8020.d	30.00 g	17-JAN-2011 17:02	1.000	KCB	6	lcs
913173	LCSD	e8021.d	30.00 g	17-JAN-2011 17:19	1.000	KCB	7	lcs
913175	LCS	e8022.d	30.00 g	17-JAN-2011 17:35	1.000	KCB	6	lcs
SOL BLK	SOL BLK	e8023.d	1000.00 ml	17-JAN-2011 17:52	1.000	KCB	100	SA8270
SOL BLK	SOL BLK	e8024.d	1000.00 ml	17-JAN-2011 18:08	1.000	KCB	100	SA8270
SOL BLK	SOL BLK	e8025.d	1000.00 ml	17-JAN-2011 18:24	1.000	KCB	100	SA8270

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	9482	211011405	1-18-11

Report to:
Client: Pastor, Behling + Wheeler
Address: 2201 Double Creek Dr. Ste 4004
Contact: Eric Pastor
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number: 1597 B
Project Name/Number: Gulfco AST Removal
Sampled By: T. Jennings

Analytical Requests & Method

Lab use only:
Custody Seal used ☑ yes ☐ no
intact ☑ yes ☐ no
Temperature °C 3.7 4.9 4.2

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	VOC	SVOC	Remarks:	Lab ID
S	1/13/11	1400		X	T-15-F	None	15	X	X	Triple Vol. for MS/MSD	1 2 3
S	1/13/11	1445		X	T-21-F	None	5	X	X		4
S	1/13/11	1455		X	NC-0-03	None	5	X	X		5
S	1/13/11	1505		X	T-2-West	None	5	X	X		6
S	1/13/11	1535		X	T-6-Floor	None	5	X	X		7
S	1/13/11	1555		X	T-6-East	None	5	X	X		8
S	1/13/11	1615		X	T-6-South	None	5	X	X		9
S	1/13/11	1625		X	T-6-North	None	5	X	X		10
S	1/13/11	-		X	Blind Dup	None	5	X	X		11
S	1/13/11	1645		X	SC-W	None	5	X	X		12
S	1/13/11	1655		X	SC-E	None	5	X	X		13
W	1/13/11	1710		X	Equip Blank	HCL	~~8~~ 5	X	X		14
W	1/13/11	1715			Trip Blank 1	HCL	3	X			15
W	1/13/11	1720			Trip Blank 2	HCL	3	X			16

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FedEx	1/13/11	1800
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	1-14-11	915
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:

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

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

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

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

GCAL-06 11/98

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	211011405	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	GULFCO	**Status:**	WP
Project Seq:	113065	**Created:**	1/14/2011 8:59
Client:	4482 - Pastor, Behling, & Wheeler	**QA:**	
Profile:	201917 - GULFCO-III - GULFCO	**PO:**	1352

WORKORDER SAMPLES

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140501-1	OC	NONE			X			X	OK
21101140501-2	OC	NONE			X			X	OK
21101140501-3	OC	NONE			X			X	OK
21101140501-4	OC	NONE			X			X	OK
21101140501-5	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140502-1	OC	NONE			X			X	OK
21101140502-2	OC	NONE			X			X	OK
21101140502-3	OC	NONE			X			X	OK
21101140502-4	OC	NONE			X			X	OK
21101140502-5	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140503-1	OC	NONE			X			X	OK
21101140503-2	OC	NONE			X			X	OK
21101140503-3	OC	NONE			X			X	OK
21101140503-4	OC	NONE			X			X	OK
21101140503-5	8	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140504-1	OC	NONE			X			X	OK
21101140504-2	OC	NONE			X			X	OK
21101140504-3	OC	NONE			X			X	OK
21101140504-4	OC	NONE			X			X	OK
21101140504-5	8	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140505-1	OC	NONE			X			X	OK
21101140505-2	OC	NONE			X			X	OK
21101140505-3	OC	NONE			X			X	OK
21101140505-4	OC	NONE			X			X	OK
21101140505-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140506-1	OC	NONE			X			X	OK
21101140506-2	OC	NONE			X			X	OK
21101140506-3	OC	NONE			X			X	OK
21101140506-4	OC	NONE			X			X	OK
21101140506-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140507-1	OC	NONE			X			X	OK
21101140507-2	OC	NONE			X			X	OK
21101140507-3	OC	NONE			X			X	OK
21101140507-4	OC	NONE			X			X	OK
21101140507-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140508-1	OC	NONE			X			X	OK
21101140508-2	OC	NONE			X			X	OK
21101140508-3	OC	NONE			X			X	OK
21101140508-4	OC	NONE			X			X	OK
21101140508-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140509-1	OC	NONE			X			X	OK
21101140509-2	OC	NONE			X			X	OK
21101140509-3	OC	NONE			X			X	OK
21101140509-4	OC	NONE			X			X	OK
21101140509-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140510-1	OC	NONE			X			X	OK
21101140510-2	OC	NONE			X			X	OK
21101140510-3	OC	NONE			X			X	OK
21101140510-4	OC	NONE			X			X	OK
21101140510-5	8	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140511-1	OC	NONE			X			X	OK
21101140511-2	OC	NONE			X			X	OK
21101140511-3	OC	NONE			X			X	OK
21101140511-4	OC	NONE			X			X	OK
21101140511-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140512-1	OC	NONE			X			X	OK
21101140512-2	OC	NONE			X			X	OK
21101140512-3	OC	NONE			X			X	OK
21101140512-4	OC	NONE			X			X	OK
21101140512-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140513-1	OC	NONE			X			X	OK
21101140513-2	OC	NONE			X			X	OK
21101140513-3	OC	NONE			X			X	OK
21101140513-4	OC	NONE			X			X	OK
21101140513-5	8	NONE			X			X	OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140514-1	LA	NONE			X			X	OK
21101140514-2	LA	NONE			X			X	OK
21101140514-3	40	HCL							OK
21101140514-4	40	HCL							OK
21101140514-5	40	HCL							OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140515-1	40	HCL							OK
21101140515-2	40	HCL							OK
21101140515-3	40	HCL							OK

Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
21101140516-1	40	HCL							OK
21101140516-2	40	HCL							OK
21101140516-3	40	HCL							OK

pH PRESERVATIVE VOA HEADSPACE

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

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

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal

used [ ] Yes [ ] No

in tact [ ] Yes [ ] No

LABEL(S) VERIFIED_____ CUSTODIAN_____

NELAP CERTIFICATE NUMBER 01955
DOD ELAP CERTIFICATE NUMBER ADE - 1482

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

7979 GSRI Avenue

Baton Rouge, LA 70820

Report Date 01/20/2011

GCAL Report 211011920

Deliver To	Pastor, Behling, Wheeler 2201 Double Creek Drive Round Rock, TX 78664 512-671-3434
Attn	Eric Pastor

Project GULFCO

CASE NARRATIVE

Client: Pastor, Behling, Wheeler **Report:** 211011920

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 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 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 NELAC standard and 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.

Estimated uncertainty of measurement is available upon request. This report is in compliance with the DOD QSM as specified in the contract if applicable.

_____

Robyn Migues
Technical Director
GCAL REPORT 211011920

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21101192001	N. CONTAINMENT-2	Water	01/18/2011 13:35	01/19/2011 10:30
21101192002	TRIP BLANK	Water	01/18/2011 13:45	01/19/2011 10:30

Summary of Compounds Detected

There were no detects

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21101192001	**N. CONTAINMENT-2**	Water	01/18/2011 13:35	01/19/2011 10:30

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	01/19/2011 12:27	RJU	449216

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	5U	5	0.086	ug/L
71-43-2	Benzene	5U	5	0.054	ug/L
67-66-3	Chloroform	5U	5	0.057	ug/L
127-18-4	Tetrachloroethene	5U	5	0.121	ug/L
79-01-6	Trichloroethene	5U	5	0.062	ug/L
75-01-4	Vinyl chloride	5U	5	0.093	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.4	ug/L	93	78 - 130
1868-53-7	Dibromofluoromethane	50	50.3	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	48.9	ug/L	98	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	47.5	ug/L	95	71 - 127

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
21101192002	**TRIP BLANK**	Water	01/18/2011 13:45	01/19/2011 10:30

SW-846 8260B

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	01/19/2011 11:19	RJU	449216

CAS#	Parameter	Result	RDL	MDL	Units
107-06-2	1,2-Dichloroethane	5U	5	0.086	ug/L
71-43-2	Benzene	5U	5	0.054	ug/L
67-66-3	Chloroform	5U	5	0.057	ug/L
127-18-4	Tetrachloroethene	5U	5	0.121	ug/L
79-01-6	Trichloroethene	5U	5	0.062	ug/L
75-01-4	Vinyl chloride	5U	5	0.093	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
460-00-4	4-Bromofluorobenzene	50	46.9	ug/L	94	78 - 130
1868-53-7	Dibromofluoromethane	50	50.4	ug/L	101	77 - 127
2037-26-5	Toluene d8	50	49.3	ug/L	99	76 - 134
17060-07-0	1,2-Dichloroethane-d4	50	48.6	ug/L	97	71 - 127

GC/MS Volatiles Quality Control Summary

Analytical Batch 449216		**Client ID**	MB449216			LCS449216			LCSD449216		
Prep Batch N/A		**GCAL ID**	913959			913960			913961		
		Sample Type	Method Blank			LCS			LCSD		
		Analytical Date	01/19/2011 10:45			01/19/2011 07:36			01/19/2011 08:16		
		Matrix	Water			Water			Water		
SW-846 8260B		**Units**		ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result		**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-66-3	Chloroform	5U		5	50.0	46.9	94	75 - 122	44.1	88	6	30
107-06-2	1,2-Dichloroethane	5U		5	50.0	44.4	89	71 - 129	42.7	85	4	30
127-18-4	Tetrachloroethene	5U		5	50.0	45.0	90	68 - 128	43.8	88	3	30
75-01-4	Vinyl chloride	5U		5	50.0	45.6	91	68 - 132	42.9	86	6	30
75-35-4	1,1-Dichloroethene	5U		5	50.0	46.5	93	69 - 129	44.2	88	5	20
71-43-2	Benzene	5U		5	50.0	45.5	91	70 - 129	44.1	88	3	20
79-01-6	Trichloroethene	5U		5	50.0	44.8	90	76 - 129	43.2	86	4	20
108-88-3	Toluene	5U		5	50.0	46.4	93	72 - 120	45.2	90	3	20
108-90-7	Chlorobenzene	5U		5	50.0	46.1	92	74 - 123	44.9	90	3	20
Surrogate												
460-00-4	4-Bromofluorobenzene	46.3		93	50	49.8	100	78 - 130	49.2	98		
1868-53-7	Dibromofluoromethane	49.5		99	50	50.6	101	77 - 127	50.3	101		
2037-26-5	Toluene d8	49		98	50	47.3	95	76 - 134	47.8	96		
17060-07-0	1,2-Dichloroethane-d4	48		96	50	48.5	97	71 - 127	48.7	97		

Analytical Batch 449216		**Client ID**	B169-ZONE 4-011211-WC			912500MS			912500MSD		
Prep Batch N/A		**GCAL ID**	21101140606			913981			913982		
		Sample Type	SAMPLE			MS			MSD		
		Analytical Date	01/19/2011 11:42			01/19/2011 13:14			01/19/2011 13:36		
		Matrix	Solid			Solid			Solid		
SW-846 8260B		**Units**		ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result		**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
67-66-3	Chloroform	0.00		200	2000	2080	104	74 - 124	1960	98	6	30
107-06-2	1,2-Dichloroethane	0.00		200	2000	1890	95	68 - 126	1900	95	0.5	30
127-18-4	Tetrachloroethene	0.00		200	2000	1930	97	70 - 127	1900	95	2	30
75-01-4	Vinyl chloride	0.00		200	2000	1900	95	67 - 131	1830	92	4	30
75-35-4	1,1-Dichloroethene	0.00		200	2000	1980	99	68 - 129	1980	99	0	22
71-43-2	Benzene	0.00		200	2000	2010	101	73 - 128	1990	100	1	21
79-01-6	Trichloroethene	0.00		200	2000	1920	96	78 - 127	1850	93	4	24
108-90-7	Chlorobenzene	0.00		200	2000	2020	101	75 - 121	2000	100	1	21
Surrogate												
460-00-4	4-Bromofluorobenzene				2000	1980	99	62 - 127	1980	99		

GC/MS Volatiles Quality Control Summary

Analytical Batch	449216	**Client ID**	B169-ZONE 4-011211-WC		912500MS				912500MSD		
Prep Batch	N/A	**GCAL ID**	21101140606		913981				913982		
		Sample Type	SAMPLE		MS				MSD		
		Analytical Date	01/19/2011 11:42		01/19/2011 13:14				01/19/2011 13:36		
		Matrix	Solid		Solid				Solid		
SW-846 8260B		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
1868-53-7	Dibromofluoromethane			2000	2010	101	65 - 130	1990	100		
2037-26-5	Toluene d8			2000	1890	95	71 - 132	1910	96		
17060-07-0	1,2-Dichloroethane-d4			2000	1900	95	62 - 125	1890	95		

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	21001920	1-21-11

Report to:
Client: Pastor Behling & Wheeler
Address: 2201 Double Creek Dr Ste. 4004, Round Rock TX 78664
Contact: Eric Pastor
Phone: 512-671-3434
Fax: 512-671-3446

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

P.O. Number
Project Name/Number
Sampled By:

Analytical Requests & Method

Lab use only:
Custody Seal
used ☐ yes ☐ no
intact ☐ yes ☐ no
Temperature °C 4.1

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Benzene	Chloroform	1,2 Dichloroethane	Trichloroethylene	Tetrachloroethylene	Vinyl Chloride	Remarks:	Lab ID
W	1/18/11	1335		X	N. Containment 2	HCL	3	X	X	X	X	X	X		1
W	"	1345		X	Trip Blank	HCL	3	X	X	X	X	X	X		2

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Fed Ex 8722-9413-7560	1/18/11	1530
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	[signature]	1-19-11	1030
Relinquished by: (Signature)	Received by: (Signature)	Date: RGM 1/21/11	Time:

Note:

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

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

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

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

GCAL-06 11/98

GCAL

SAMPLE RECEIVING CHECKLIST

Workorder: 211011920

Client: Pastor, Behling, & Wheeler

Received by: Raborn, Michelle

Received Date/Time: 1/19/2011 10:30:00 AM

Samples Received via: FEDEX

Number of Coolers Received: 1

Cooler tracking numbers(s): 8722 9413 7560

Cooler temperature(s): 4.1

Were all coolers received at a temperature of 0 - 6° C?	☑ Yes	☐ No	☐ N/A
Were all custody seals intact?	☑ Yes	☐ No	☐ N/A
Were all samples recevied in proper containers?	☑ Yes	☐ No	☐ N/A
Were all samples properly preserved?	☑ Yes	☐ No	☐ N/A
Was preservative added to any container at the lab?	☐ Yes	☑ No	☐ N/A
Were all containers received in good condition?	☑ Yes	☐ No	☐ N/A
Were all VOA vials received with no head space?	☑ Yes	☐ No	☐ N/A
Do all sample labels match the Chain of Custody?	☑ Yes	☐ No	☐ N/A
Was the client notified about any discrepancies?	☐ Yes	☐ No	☐ N/A

Notes/Comments: