



# CompuChem

a division of Liberty Analytical Corp.

HC+CD+EDD

11-Dec-06

DARLA STEWART  
CRA  
2055 NIAGARA FALL BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596 2020 RIVER RD Workorder: 11631

Attn.: DARLA STEWART

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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**CompuChem**

a division of Liberty Analytical Corp.

HCT(CD+ED))

11-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596 2020 RIVER RD. Workorder: 11631

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER  
OF PAGES \_\_\_\_\_

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**CompuChem, a division of Liberty Analytical**

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Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1163101	S112706JRR001	11631	S	CRA	045596	
1163102	S112706JRR002	11631	S	CRA	045596	
1163103	S112706JRR003	11631	S	CRA	045596	
1163104	S112706JRR004	11631	S	CRA	045596	
1163105	S112706JRR005	11631	S	CRA	045596	
1163106	S112706JRR006	11631	S	CRA	045596	
1163107	S112806JRR007	11631	S	CRA	045596	
1163108	S112806JRR008	11631	S	CRA	045596	
1163109	S112806JRR009	11631	S	CRA	045596	
1163110	S112806JRR010	11631	S	CRA	045596	
1163111	S112806JRR011	11631	S	CRA	045596	
1163112	S112806JRR012	11631	S	CRA	045596	
1163113	S112906JRR013	11631	S	CRA	045596	
1163114	S112906JRR014	11631	S	CRA	045596	
1163115	S112906JRR015	11631	S	CRA	045596	

# CompuChem

A division of Liberty Analytical Corporation  
501 Madison Avenue  
Cary, N.C. 27513  
Tel: 919/379-4100 Fax: 919/379-4050

## SDG NARRATIVE

SDG # 11631  
PROTOCOL: SW-846 8270C

**SAMPLE IDENTIFICATIONS: S112706JRR001, S112706JRR002, S112706JRR003, S112706JRR004, S112706JRR005, S112706JRR006, S112806JRR007, S112806JRR008, S112806JRR009, S112806JRR010, S112806JRR011, S112806JRR012, S112906JRR013, S112906JRR014, and S112906JRR015**

The 15 soil samples listed above were received intact, properly refrigerated at 4.2-5.8°C, in sealed shipping containers, on November 28, 29, and 30, 2006, with proper documentation, except the exceptions noted on the chain-of-custody (COC) documents.

The samples were scheduled for the requested analysis of the GC/MS Semivolatile fraction. SW-846, 3rd Edition, Update 3, Sonication extraction (Method 3550B) and Method 8270C were used to prepare and analyze the samples. This portion of the SDG narrative deals with the semivolatile fraction only.

### GC/MS Semivolatiles

Extraction and analysis holding time requirements were met for all of these samples.

The percent moisture value for these samples ranged from 15 to 31.

All samples were prepared and analyzed as low level soils in this SDG.

The semivolatile target compound list (TCL) analytes Phenol and Di-n-butylphthalate were identified above the quantitation limit (QL) in sample S112806JRR009, Hexachlorobenzene was identified above the quantitation limit (QL) in sample 112806JRR011, and bis(2-ethylhexyl)Phthalate was identified above the quantitation limit (QL) in samples S112706JRR001, S112706JRR002, S112806JRR007, S112806JRR009, and S112906JRR014.

One or more Tentatively identified compounds (TICs) were found in all of these samples, except S112806JRR012. In sample S112806JRR011, a TIC was identified as a benzo(k)fluoranthene, a TCL analyte. However, the retention time of this TIC did not compare well to the analyte retention time in the associated continuing calibration standard. The TIC has been left with that assessment name.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated with this SDG. Overall, most quality control criteria were met for all initial and continuing calibration verification standards (CCVs) associated to this SDG.

All of the surrogates met recovery criteria in the analyses of these samples. All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blanks met all quality control criteria. Method blank SBLKTV contained bis(2-ethylhexyl)Phthalate at an acceptable level below the CRQL and method blank SBLKUT contained one TIC, identified as an Unknown. Any positive detection for this compound and/or TIC in the samples and/or QC samples associated with these blanks has been flagged with a "B".

No matrix spike/matrix spike duplicate (MS/MSD) samples were requested with this SDG. The associated duplicate Laboratory Control Samples (LCS/LCSD) prepared and analyzed along with these samples met all accuracy and precision criteria, with the exception of the recovery of 2-Chloronaphthalene in the STVLCSD, SUTLCS, and SUTLCSD, the recoveries of 2,4-Dimethylphenol and N-Nitrosodiphenylamine in both the SUTLCS and SUTLCSD, the recoveries of 4-Chloroaniline, 3-Nitroaniline, and 4-Nitroaniline in the SUTLCSD, and the RPDs of Benzaldehyde and 4-Chloroaniline in the SUTLCS/SUTLCSD, which were all bias high. None of these compounds are detected above the QLs in any of the samples associated with these LCS/LCSDs.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically and on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

S. A. Parikh

Saroj A. Parikh  
GC/MS Case Reviewer  
December 09, 2006



## GC and GC/MS Column and Trap Specifications Table

SDG#: 11631

## COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
<b>GC Laboratory</b>					
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	Restek	CLPesticides	0.32	0.5	30
	Restek	CLPesticides II	0.32	0.25	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
<b>GC Volatiles Laboratory</b>					
	Restek	RTX-Volatiles	0.53	2.0	30
<b>GC/MS Volatiles Laboratory</b>					
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
	Phenomonex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
<b>GC/MS Semivolatiles Laboratory</b>					
	Restek	RTX-5MS	0.25	0.3	30
✓	Restek	RTX-5MS	0.32	0.3	30
<b>HPLC Laboratory</b>					
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

## TRAPS

<b>GC and GC/MS Volatiles Laboratory</b>	
Supelco J (BETXTRAP™)	* 7.7 cm Carboxen C
	* 1.2 cm Carboxen B
Supelco K (Vocarb3000)	* 10 cm of Carboxen B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

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## CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)



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## Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

- M** - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- H** - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- MH** - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- L** - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- ML** - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

- M1** - The compound was not found by the automatic integration routine.
- M2** - The compound was incorrectly integrated by the automatic integration routine.
- M3** - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

## DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

- U: This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.
- J: This flag indicates an estimated value. The flag is used as detailed below:
1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,
  2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and
  3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.
- N: This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85% in the SOM01.1 SOW), the N flag is not used.
- P: In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P. For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.
- C: This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

## DATA REPORTING QUALIFIERS (continued)

- B :** This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.
- E :** This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.
- D :** If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and **all** reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.
- NOTE 1:** The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.
- NOTE 2:** Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.
- A:** This flag indicates that a TIC is a suspected aldol-condensation product.
- S:** In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.
- X/Y/Z :** Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

Revision 10 (10-12-2006)

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Comp Chem*

REFERENCE NUMBER:

45596

SAMPLER'S SIGNATURE: *[Signature]*

PRINTED NAME: *DR. R. C. [Signature]*

SEQ. NO.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/27/06	920	S-45596-112706-STR-601	801	3	VOC 40 SVOC PCB 80 Metals 20	1163101 -
02	11/27/06	935	S-45596-112706-STR-002		3		1163102 -
03	11/27/06	1050	S-45596-112706-STR-003		3		1163103 -
04	11/27/06	1100	S-45596-112706-STR-004		3		1163104 -
05	11/27/06	1300	S-45596-112706-STR-005		3		1163105 -
06	11/27/06	1310	S-45596-112706-STR-006		3		1163106 -
TOTAL-NUMBER OF CONTAINERS					24	HEALTH/CHEMICAL HAZARDS	
RELINQUISHED BY: <i>[Signature]</i>		DATE: 11/27/06	RECEIVED BY: <i>[Signature]</i>		DATE: 11/28/06	RECEIVED FOR LABORATORY BY: <i>[Signature]</i>	
RELINQUISHED BY:		DATE: 11/27/06	RECEIVED BY:		DATE: 11/28/06	TIME: 9:15	
RELINQUISHED BY:		DATE:	RECEIVED BY:		DATE:	TIME:	
RELINQUISHED BY:		DATE:	RECEIVED BY:		DATE:	TIME:	
METHOD OF SHIPMENT: <i>Fly</i>				WAY BILL No.			
Write Yellow Pink Goldenrod				-Fully Executed Copy -Receiving Laboratory Copy -Shipper Copy -Sampler Copy			
SAMPLE TEAM: <i>PAR</i>				DATE: 11/28/06 TIME: 9:15			
No <b>N</b>				4600			

*rec'd @ 4:20*



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

**CHAIN OF CUSTODY RECORD**

SHIPPED TO (Laboratory Name):

Compu Chem

REFERENCE NUMBER:

45596

SAMPLER'S SIGNATURE: *[Signature]*

PRINTED NAME: *John Raby*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS			REMARKS
						VOC	92	S/VOC PCB 802	
01	11/24/06	9:20	5-45596-112406-302-007	Soil	3	X	X	X	
02		9:25	5-45596-112406-302-008		3	X	X	X	
03		11:50	5-45596-112406-302-009		3	X	X	X	
04		11:40	5-45596-112406-302-010		3	X	X	X	
05		14:00	5-45596-112406-302-011		3	X	X	X	
06		14:10	5-45596-112406-302-012		3	X	X	X	

*Handwritten notes in table:*  
 - Row 01: Soil  
 - Row 02: 11/24/06  
 - Row 03: 11/24/06  
 - Row 04: 11/24/06  
 - Row 05: 11/24/06  
 - Row 06: 11/24/06  
 - Between rows 05 and 06: *per Doc's times for -011 & -012 are 14:00 & 14:10 (resp.)*  
 - Between rows 05 and 06: *find all containers 5:14:10 to 14:25*  
 - Between rows 05 and 06: *find all containers changed to 14:25*  
 - Between rows 05 and 06: *11/24/06*  
 - Between rows 05 and 06: *11/24/06*  
 - Between rows 05 and 06: *11/24/06*

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *[Signature]* DATE: *11/24/06* RECEIVED BY: *[Signature]* DATE: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

METHOD OF SHIPMENT: *EX* WAY BILL No. \_\_\_\_\_

RECEIVED FOR LABORATORY BY: *[Signature]* DATE: *11/29/06* TIME: *10:20*

White - Fully Executed Copy  
 Yellow - Receiving Laboratory Copy  
 Pink - Shipper Copy  
 Goldenrod - Sampler Copy

SAMPLE TEAM: *Raby*

No **N** 4485

*rec'd @ 5:50C*

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2005 Niagara Falls Blvd, Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-8150

SHIPPED TO (Laboratory Name):

*Comp Chem*

REFERENCE NUMBER:

45596

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *John Kelly*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/26	9:00	S-45596-112906-3R2-013	S:1	3	VOC SUC A-TX	1103113
02	11/26	9:15	S-45596-112906-3R2-014		3		1103114
03	11/26	11:00	S-45596-112906-3R2-015		3		1103115
TOTAL NUMBER OF CONTAINERS: <b>9</b>							
HEALTH/CHEMICAL HAZARDS: <i>rec'd @ 4.6°C</i>							
RELINQUISHED BY: <i>[Signature]</i>		DATE: 11/26/06	TIME: 1:00	RECEIVED BY: ①	DATE: 11/30/06	TIME: 9:15	
RELINQUISHED BY: ②		DATE: _____	TIME: _____	RECEIVED BY: ②	DATE: _____	TIME: _____	
RELINQUISHED BY: ③		DATE: _____	TIME: _____	RECEIVED BY: ③	DATE: _____	TIME: _____	

METHOD OF SHIPMENT: *Fd Ex*

Write  
 Yellow  
 Pink  
 Goldenrod

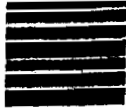
-Fully Executed Copy  
 -Receiving Laboratory Copy  
 -Shipper Copy  
 -Sampler Copy

SAMPLE TEAM: *Kelly*

RECEIVED FOR LABORATORY BY: *[Signature]*  
 DATE: 11/30/06 TIME: 9:15

No **N** 4486

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11631	045596 2020 River Road Phase I	1163101	S112706-JRR001	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-001
11631	045596 2020 River Road Phase I	1163102	S112706-JRR002	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-002
11631	045596 2020 River Road Phase I	1163103	S112706-JRR003	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-003
11631	045596 2020 River Road Phase I	1163104	S112706-JRR004	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-004
11631	045596 2020 River Road Phase I	1163105	S112706-JRR005	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-005
11631	045596 2020 River Road Phase I	1163106	S112706-JRR006	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-006
11631	045596 2020 River Road Phase I	1163107	S112806-JRR007	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-007
11631	045596 2020 River Road Phase I	1163108	S112806-JRR008	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-008
11631	045596 2020 River Road Phase I	1163109	S112806-JRR009	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-009
11631	045596 2020 River Road Phase I	1163110	S112806-JRR010	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-010
11631	045596 2020 River Road Phase I	1163111	S112806-JRR011	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-011
11631	045596 2020 River Road Phase I	1163112	S112806-JRR012	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-012
11631	045596 2020 River Road Phase I	1163113	S112906-JRR013	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-013
11631	045596 2020 River Road Phase I	1163114	S112906-JRR014	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-014
11631	045596 2020 River Road Phase I	1163115	S112906-JRR015	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-015



# CompuChem

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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1163101	S112706JRR001	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163102	S112706JRR002	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163103	S112706JRR003	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163104	S112706JRR004	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			





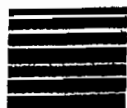
# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163105	S112706JRR005	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163106	S112706JRR006	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163107	S112806JRR007	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163108	S112806JRR008	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163109	S112806JRR009	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163110	S112806JRR010	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163111	S112806JRR011	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163112	S112806JRR012	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

Workorder: 11631      Account: CRA      Project: 045598  
 SDG-Case: 045598 2020      Status:      QC Type: REPORT LCS/LCSD  
 Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163113	S112906JRR013	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163114	S112906JRR014	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163115	S112906JRR015	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			

**CompuChem, a Division of Liberty Analytical**  
**Extract Chain of Custody**

Batch: 10761

Date: 12/4/2006

Department: Organic Extractions

Sample ID	Client ID	Product	Matrix	Hold Date
1163113	S112906JRR013	SS8270LX	S	12/13/2006
1163114	S112906JRR014	SS8270LX	S	12/13/2006
1163115	S112906JRR015	SS8270LX	S	12/13/2006
122477	SBLKUT	SS8270LX	S	12/18/2006
122478	SUTLCS	SS8270LX	S	12/18/2006
122479	SUTLCSD	SS8270LX	S	12/18/2006

12-5-6

Relinquished By:

W. Kelly

GCMS #3

TAP

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Received By:

GC/MS Refrig #3

TAP

GCMS #3

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date/Time

12/5/06 12:45

12/6/06 200

12/6/06 500

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**CompuChem, a Division of Liberty Analytical**  
**Extract Chain of Custody**

Batch: 10732

Date: 11/30/2006

Department: Organic Extractions

Sample ID	Client ID	Product	Matrix	Hold Date
1163101	S112706JRR001	SS8270LX	S	12/11/2006
1163102	S112706JRR002	SS8270LX	S	12/11/2006
1163103	S112706JRR003	SS8270LX	S	12/11/2006
1163104	S112706JRR004	SS8270LX	S	12/11/2006
1163105	S112706JRR005	SS8270LX	S	12/11/2006
1163106	S112706JRR006	SS8270LX	S	12/11/2006
1163107	S112806JRR007	SS8270LX	S	12/12/2006
1163108	S112806JRR008	SS8270LX	S	12/12/2006
1163109	S112806JRR009	SS8270LX	S	12/12/2006
1163110	S112806JRR010	SS8270LX	S	12/12/2006
1163111	S112806JRR011	SS8270LX	S	12/12/2006
1163112	S112806JRR012	SS8270LX	S	12/12/2006
121962	SBLKTV	SS8270LX	S	12/14/2006
121963	STVLC	SS8270LX	S	12/14/2006
121964	STVLCSD	SS8270LX	S	12/14/2006

11-30-06  
*M. Valera*

Relinquished By:

*U. Regan*  
GCMS #3  
GM  
GCMS#3  
AMP  
Refr.#3  
AMP

Received By:

GCMS Relinquish #3  
GM  
GCMS #3  
AMP  
GCMS#3  
AMP  
Refring #3

Date/Time

11/30/06 2:45  
12/2 9:50  
12/2 11:00  
12/4/06 11:00  
12/4/06 5:00  
12/5/06 2:00 am  
12/5/06 2:00 am

EXTRACTION WORKSHEET

Low Level Soil S-V Method 3550B for 8270C

ASSIGNED TO: Wendy Christie  
 EMP ID NUMBER: 2611 2632

CompuChem

DATE EXTRACTED/POSTED: 11-30-06  
 BATCH NO. 10732

NO.	DESCRIPTION	AMOUNT	UNIT	ANALYST	DATE
1	1163101	S112706JRR001	SAMPLE	30.0	1-0
2	1163102	S112706JRR002	SAMPLE	30.0	
3	1163103	S112706JRR003	SAMPLE	30.0	
4	1163104	S112706JRR004	SAMPLE	30.0	
5	1163105	S112706JRR005	SAMPLE	30.0	
6	1163106	S112706JRR006	SAMPLE	30.0	
7	1163107	S112806JRR007	SAMPLE	30.0	
8	1163108	S112806JRR008	SAMPLE	30.0	
9	1163109	S112806JRR009	SAMPLE	30.0	
10	1163110	S112806JRR010	SAMPLE	30.0	
11	1163111	S112806JRR011	SAMPLE	30.0	
12	1163112	S112806JRR012	SAMPLE	30.0	
13	121962	SBLKTV	MB	30.0	
14	121964	STVLCSD	LCSD	30.0	
15	121963	STV LCS	LCS	30.0	
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Manufacturer and lot number of reagents/solvents used 50150 C14 COEtH<sub>2</sub> CH<sub>2</sub> CH<sub>2</sub> 2005-404-3, Neg SDY 2005-402-4

ANALYST INITIALS: VF NJ NZ NJ CH  
 BOTTLED UP: CH

FINAL VOLUME VERIFIED: Wendy Christie  
 SUPERVISOR REVIEWED: Wendy Christie  
 SURROGATE & SPIKE ADDED BY: VF NJ NZ NJ CH  
 WITNESS: CB 11-30-06  
 DATE: 11-30-06

EXTRACTON WORKSHEET

ASSIGNED TO: Jennifer

Low Level Soil S-V Method 3550B for 8270C

CompuChem

DATE EXTRACTED/POSTED: 12/05/06

EMP ID NUMBER: 2591

12.5.1

BATCH NO. 10761

NO.	NO. OF SAMPLES	NO. OF ANALYSES	NO. OF REPLICATES	NO. OF ANALYSES	NO. OF REPLICATES
1	1163113	S112906JRR013	SAMPLE	30.0	1.0
2	1163114	S112906JRR014	SAMPLE	30.0	
3	1163115	S112906JRR015	SAMPLE	30.0	
4	122477	SBLKUT	MB	30.0	
5	122479	SUTLCSD	LCSD	30.0	
6	122478	SUTLCS	LCS	30.0	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

GPC (3640A) PERFORMED Y/N (N)

NO 12/15/06

NO.	393
AMT.	0.5 ml
LOT	090506- 31
NO.	
AMT.	1.0 ml
LOT	69120

Analyst initials, Extracted JP KD NR Bottle up OK

FINAL VOLUME VERIFIED: WJ  
 SUPERVISOR REVIEWED: CR  
 SURROGATE & SPIKE ADDED BY: JP / 12/05/06  
 Witness UB / 12/05/06 Initials Date

Manufacturer and lot number of reagents/solvents used

50/50 methylene chloride/Acetone - 2XX5-406-2  
Na2SO4 2XX5-242-U. Hachia 146150

## %Moisture and pH report

SAMPLE ID	ANALYSIS	RESULT
1163101	MOISTURE	21
1163102	MOISTURE	23
1163103	MOISTURE	31
1163104	MOISTURE	23
1163105	MOISTURE	22
1163106	MOISTURE	24
1163107	MOISTURE	23
1163108	MOISTURE	24
1163109	MOISTURE	20
1163110	MOISTURE	20
1163111	MOISTURE	19
1163112	MOISTURE	22
1163113	MOISTURE	21
1163114	MOISTURE	24
1163115	MOISTURE	15



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR001

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163101  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163101A64  
Analyst: 917

% Moisture: 21 decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	420	ND	U
108-95-2	Phenol	78	420	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	420	ND	U
95-57-8	2-Chlorophenol	42	420	ND	U
95-48-7	2-Methylphenol	44	420	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	420	ND	U
98-86-2	Acetophenone	150	420	ND	U
106-44-5	4-Methylphenol	100	840	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	420	ND	U
67-72-1	Hexachloroethane	23	420	ND	U
98-95-3	Nitrobenzene	48	420	ND	U
78-59-1	Isophorone	44	420	ND	U
88-75-5	2-Nitrophenol	34	420	ND	U
105-67-9	2,4-Dimethylphenol	150	420	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	420	ND	U
120-83-2	2,4-Dichlorophenol	32	420	ND	U
91-20-3	Naphthalene	37	420	ND	U
106-47-8	4-Chloroaniline	74	420	ND	U
87-68-3	Hexachlorobutadiene	34	420	ND	U
105-60-2	Caprolactam	88	420	ND	U
59-50-7	4-Chloro-3-methylphenol	62	420	ND	U
91-57-6	2-Methylnaphthalene	36	420	ND	U
77-47-4	Hexachlorocyclopentadiene	84	420	ND	U
88-06-2	2,4,6-Trichlorophenol	42	420	ND	U
95-95-4	2,4,5-Trichlorophenol	60	420	ND	U
92-52-4	1,1'-Biphenyl	55	420	ND	U
91-58-7	2-Chloronaphthalene	50	420	ND	U
88-74-4	2-Nitroaniline	53	840	ND	U
131-11-3	Dimethylphthalate	51	420	ND	U
606-20-2	2,6-Dinitrotoluene	63	420	ND	U
208-96-8	Acenaphthylene	53	420	ND	U
99-09-2	3-Nitroaniline	37	840	ND	U
83-32-9	Acenaphthene	47	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR001

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163101  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163101A64  
Analyst: 917

% Moisture: 21           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---2,4-Dinitrophenol		610	840	ND	U
100-02-7--4-Nitrophenol		61	840	ND	U
121-14-2--2,4-Dinitrotoluene		58	420	ND	U
132-64-9--Dibenzofuran		50	420	ND	U
84-66-2---Diethylphthalate		53	420	ND	U
7005-72-3-4-Chlorophenyl-phenylether		49	420	ND	U
86-73-7---Fluorene		52	420	ND	U
100-01-6--4-Nitroaniline		35	840	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		41	840	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		84	420	ND	U
101-55-3--4-Bromophenyl-phenylether		64	420	ND	U
118-74-1--Hexachlorobenzene		60	420	ND	U
87-86-5---Pentachlorophenol		34	840	ND	U
85-01-8---Phenanthrene		51	420	ND	U
120-12-7--Anthracene		52	420	ND	U
86-74-8---Carbazole		50	420	ND	U
84-74-2---Di-n-butylphthalate		57	420	ND	U
206-44-0--Fluoranthene		49	420	ND	U
129-00-0--Pyrene		50	420	ND	U
85-68-7---Butylbenzylphthalate		53	420	ND	U
91-94-1---3,3'-Dichlorobenzidine		28	420	ND	U
117-81-7--bis(2-ethylhexyl) Phthalate		69	420	700	B
56-55-3---Benzo(a)anthracene		47	420	ND	U
218-01-9--Chrysene		53	420	ND	U
117-84-0--Di-n-octylphthalate		68	420	ND	U
205-99-2--Benzo(b)fluoranthene		41	420	ND	U
207-08-9--Benzo(k)fluoranthene		69	420	ND	U
50-32-8---Benzo(a)pyrene		40	420	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		30	420	ND	U
53-70-3---Dibenzo(a,h)anthracene		39	420	ND	U
191-24-2--Benzo(g,h,i)perylene		30	420	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR001

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163101  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163101A64  
Analyst: 917

% Moisture: 21                      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR002

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163102  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163102A64  
Analyst: 2650

% Moisture: 23                      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	430	ND	U
108-95-2	Phenol	78	430	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	430	ND	U
95-57-8	2-Chlorophenol	42	430	ND	U
95-48-7	2-Methylphenol	44	430	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	430	ND	U
98-86-2	Acetophenone	150	430	ND	U
106-44-5	4-Methylphenol	100	860	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	430	ND	U
67-72-1	Hexachloroethane	23	430	ND	U
98-95-3	Nitrobenzene	48	430	ND	U
78-59-1	Isophorone	44	430	ND	U
88-75-5	2-Nitrophenol	34	430	ND	U
105-67-9	2,4-Dimethylphenol	150	430	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	430	ND	U
120-83-2	2,4-Dichlorophenol	32	430	ND	U
91-20-3	Naphthalene	37	430	ND	U
106-47-8	4-Chloroaniline	74	430	ND	U
87-68-3	Hexachlorobutadiene	34	430	ND	U
105-60-2	Caprolactam	88	430	ND	U
59-50-7	4-Chloro-3-methylphenol	62	430	ND	U
91-57-6	2-Methylnaphthalene	36	430	ND	U
77-47-4	Hexachlorocyclopentadiene	84	430	ND	U
88-06-2	2,4,6-Trichlorophenol	42	430	ND	U
95-95-4	2,4,5-Trichlorophenol	60	430	ND	U
92-52-4	1,1'-Biphenyl	55	430	ND	U
91-58-7	2-Chloronaphthalene	50	430	ND	U
88-74-4	2-Nitroaniline	53	860	ND	U
131-11-3	Dimethylphthalate	51	430	ND	U
606-20-2	2,6-Dinitrotoluene	63	430	ND	U
208-96-8	Acenaphthylene	53	430	ND	U
99-09-2	3-Nitroaniline	37	860	ND	U
83-32-9	Acenaphthene	47	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR002

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163102  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163102A64  
Analyst: 2650

% Moisture: 23                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	860	ND	U
100-02-7---	4-Nitrophenol	61	860	ND	UU
121-14-2---	2,4-Dinitrotoluene	58	430	ND	UUU
132-64-9--	Dibenzofuran	50	430	ND	UUU
84-66-2---	Diethylphthalate	53	430	ND	UUU
7005-72-3-4-	Chlorophenyl-phenylether	49	430	ND	UUU
86-73-7---	Fluorene	52	430	ND	UUU
100-01-6---	4-Nitroaniline	35	860	ND	UUU
534-52-1--4,	6-Dinitro-2-methylphenol	41	860	ND	UUU
86-30-6---	N-Nitrosodiphenylamine (1)	84	430	ND	UUU
101-55-3--4-	Bromophenyl-phenylether	64	430	ND	UUU
118-74-1--	Hexachlorobenzene	60	430	ND	UUU
87-86-5---	Pentachlorophenol	34	860	ND	UUU
85-01-8---	Phenanthrene	51	430	ND	UUU
120-12-7--	Anthracene	52	430	ND	UUU
86-74-8---	Carbazole	50	430	ND	UUU
84-74-2---	Di-n-butylphthalate	57	430	ND	UUU
206-44-0--	Fluoranthene	49	430	ND	UUU
129-00-0--	Pyrene	50	430	ND	UUU
85-68-7---	Butylbenzylphthalate	53	430	ND	UUU
91-94-1---	3,3'-Dichlorobenzidine	28	430	ND	UUU
117-81-7--bis	(2-ethylhexyl) Phthalate	69	430	660	B
56-55-3---	Benzo (a) anthracene	47	430	ND	UUU
218-01-9--	Chrysene	53	430	ND	UUU
117-84-0--	Di-n-octylphthalate	68	430	ND	UUU
205-99-2--	Benzo (b) fluoranthene	41	430	ND	UUU
207-08-9--	Benzo (k) fluoranthene	69	430	ND	UUU
50-32-8---	Benzo (a) pyrene	40	430	ND	UUU
193-39-5--	Indeno (1,2,3-cd) pyrene	30	430	ND	UUU
53-70-3---	Dibenzo (a,h) anthracene	39	430	ND	UUU
191-24-2--	Benzo (g,h,i) perylene	30	430	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR002

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163102  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163102A64  
Analyst: 2650

% Moisture: 23                      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	430	ND	U

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR003

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163103  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163103JA64  
Analyst: 2650

% Moisture: 31           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/05/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	480	ND	U
108-95-2	Phenol	78	480	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	480	ND	U
95-57-8	2-Chlorophenol	42	480	ND	U
95-48-7	2-Methylphenol	44	480	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	480	ND	U
98-86-2	Acetophenone	150	480	ND	U
106-44-5	4-Methylphenol	100	960	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	480	ND	U
67-72-1	Hexachloroethane	23	480	ND	U
98-95-3	Nitrobenzene	48	480	ND	U
78-59-1	Isophorone	44	480	ND	U
88-75-5	2-Nitrophenol	34	480	ND	U
105-67-9	2,4-Dimethylphenol	150	480	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	480	ND	U
120-83-2	2,4-Dichlorophenol	32	480	ND	U
91-20-3	Naphthalene	37	480	ND	U
106-47-8	4-Chloroaniline	74	480	ND	U
87-68-3	Hexachlorobutadiene	34	480	ND	U
105-60-2	Caprolactam	88	480	ND	U
59-50-7	4-Chloro-3-methylphenol	62	480	ND	U
91-57-6	2-Methylnaphthalene	36	480	ND	U
77-47-4	Hexachlorocyclopentadiene	84	480	ND	U
88-06-2	2,4,6-Trichlorophenol	42	480	ND	U
95-95-4	2,4,5-Trichlorophenol	60	480	ND	U
92-52-4	1,1'-Biphenyl	55	480	ND	U
91-58-7	2-Chloronaphthalene	50	480	ND	U
88-74-4	2-Nitroaniline	53	960	ND	U
131-11-3	Dimethylphthalate	51	480	ND	U
606-20-2	2,6-Dinitrotoluene	63	480	ND	U
208-96-8	Acenaphthylene	53	480	ND	U
99-09-2	3-Nitroaniline	37	960	ND	U
83-32-9	Acenaphthene	47	480	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR003

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163103  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163103JA64  
Analyst: 2650

% Moisture: 31           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/05/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	960	ND	U
100-02-7--	4-Nitrophenol	61	960	ND	U
121-14-2---	2,4-Dinitrotoluene	58	480	ND	U
132-64-9---	Dibenzofuran	50	480	ND	U
84-66-2---	Diethylphthalate	53	480	ND	U
7005-72-3-4-	Chlorophenyl-phenylether	49	480	ND	U
86-73-7---	Fluorene	52	480	ND	U
100-01-6--	4-Nitroaniline	35	960	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	41	960	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	480	ND	U
101-55-3--	4-Bromophenyl-phenylether	64	480	ND	U
118-74-1--	Hexachlorobenzene	60	480	ND	U
87-86-5---	Pentachlorophenol	34	960	ND	U
85-01-8---	Phenanthrene	51	480	77	J
120-12-7--	Anthracene	52	480	ND	U
86-74-8---	Carbazole	50	480	ND	U
84-74-2---	Di-n-butylphthalate	57	480	ND	U
206-44-0--	Fluoranthene	49	480	89	J
129-00-0--	Pyrene	50	480	ND	U
85-68-7---	Butylbenzylphthalate	53	480	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	480	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	480	180	JB
56-55-3---	Benzo(a)anthracene	47	480	ND	U
218-01-9--	Chrysene	53	480	88	J
117-84-0--	Di-n-octylphthalate	68	480	ND	U
205-99-2--	Benzo(b)fluoranthene	41	480	ND	U
207-08-9--	Benzo(k)fluoranthene	69	480	ND	U
50-32-8---	Benzo(a)pyrene	40	480	ND	U
193-39-5--	Indeno(1,2,3-cd)pyrene	30	480	ND	U
53-70-3---	Dibenzo(a,h)anthracene	39	480	ND	U
191-24-2--	Benzo(g,h,i)perylene	30	480	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR003

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163103  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163103JA64  
Analyst: 2650

% Moisture: 31      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/05/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	480	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR004

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163104  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163104A64  
Analyst: 2650

% Moisture: 23                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	430	ND	U
108-95-2	Phenol	78	430	ND	U
111-44-4	Bis (2-chloroethyl) ether	37	430	ND	U
95-57-8	2-Chlorophenol	42	430	ND	U
95-48-7	2-Methylphenol	44	430	ND	U
108-60-1	2,2'-oxybis (1-Chloropropane)	35	430	ND	U
98-86-2	Acetophenone	150	430	ND	U
106-44-5	4-Methylphenol	100	860	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	430	ND	U
67-72-1	Hexachloroethane	23	430	ND	U
98-95-3	Nitrobenzene	48	430	ND	U
78-59-1	Isophorone	44	430	ND	U
88-75-5	2-Nitrophenol	34	430	ND	U
105-67-9	2,4-Dimethylphenol	150	430	ND	U
111-91-1	Bis (2-chloroethoxy) methane	49	430	ND	U
120-83-2	2,4-Dichlorophenol	32	430	ND	U
91-20-3	Naphthalene	37	430	ND	U
106-47-8	4-Chloroaniline	74	430	ND	U
87-68-3	Hexachlorobutadiene	34	430	ND	U
105-60-2	Caprolactam	88	430	ND	U
59-50-7	4-Chloro-3-methylphenol	62	430	ND	U
91-57-6	2-Methylnaphthalene	36	430	ND	U
77-47-4	Hexachlorocyclopentadiene	84	430	ND	U
88-06-2	2,4,6-Trichlorophenol	42	430	ND	U
95-95-4	2,4,5-Trichlorophenol	60	430	ND	U
92-52-4	1,1'-Biphenyl	55	430	ND	U
91-58-7	2-Chloronaphthalene	50	430	ND	U
88-74-4	2-Nitroaniline	53	860	ND	U
131-11-3	Dimethylphthalate	51	430	ND	U
606-20-2	2,6-Dinitrotoluene	63	430	ND	U
208-96-8	Acenaphthylene	53	430	ND	U
99-09-2	3-Nitroaniline	37	860	ND	U
83-32-9	Acenaphthene	47	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR004

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163104  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163104A64  
Analyst: 2650

% Moisture: 23                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---2,4-Dinitrophenol		610	860	ND	U
100-02-7--4-Nitrophenol		61	860	ND	U
121-14-2--2,4-Dinitrotoluene		58	430	ND	U
132-64-9--Dibenzofuran		50	430	ND	U
84-66-2---Diethylphthalate		53	430	ND	U
7005-72-3-4-Chlorophenyl-phenylether		49	430	ND	U
86-73-7---Fluorene		52	430	ND	U
100-01-6--4-Nitroaniline		35	860	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		41	860	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		84	430	ND	U
101-55-3--4-Bromophenyl-phenylether		64	430	ND	U
118-74-1--Hexachlorobenzene		60	430	ND	U
87-86-5---Pentachlorophenol		34	860	ND	U
85-01-8---Phenanthrene		51	430	ND	U
120-12-7--Anthracene		52	430	ND	U
86-74-8---Carbazole		50	430	ND	U
84-74-2---Di-n-butylphthalate		57	430	ND	U
206-44-0--Fluoranthene		49	430	ND	U
129-00-0--Pyrene		50	430	ND	U
85-68-7---Butylbenzylphthalate		53	430	ND	U
91-94-1---3,3'-Dichlorobenzidine		28	430	ND	U
117-81-7--bis(2-ethylhexyl)Phthalate		69	430	ND	U
56-55-3---Benzo(a)anthracene		47	430	ND	U
218-01-9--Chrysene		53	430	ND	U
117-84-0--Di-n-octylphthalate		68	430	ND	U
205-99-2--Benzo(b)fluoranthene		41	430	ND	U
207-08-9--Benzo(k)fluoranthene		69	430	ND	U
50-32-8---Benzo(a)pyrene		40	430	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		30	430	ND	U
53-70-3---Dibenzo(a,h)anthracene		39	430	ND	U
191-24-2--Benzo(g,h,i)perylene		30	430	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR004

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163104  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163104A64  
Analyst: 2650

% Moisture: 23                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	430	ND	U

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR005

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163105  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163105A64  
Analyst: 2650

% Moisture: 22           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	420	ND	U
108-95-2	Phenol	78	420	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	420	ND	U
95-57-8	2-Chlorophenol	42	420	ND	U
95-48-7	2-Methylphenol	44	420	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	420	ND	U
98-86-2	Acetophenone	150	420	ND	U
106-44-5	4-Methylphenol	100	850	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	420	ND	U
67-72-1	Hexachloroethane	23	420	ND	U
98-95-3	Nitrobenzene	48	420	ND	U
78-59-1	Isophorone	44	420	ND	U
88-75-5	2-Nitrophenol	34	420	ND	U
105-67-9	2,4-Dimethylphenol	150	420	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	420	ND	U
120-83-2	2,4-Dichlorophenol	32	420	ND	U
91-20-3	Naphthalene	37	420	ND	U
106-47-8	4-Chloroaniline	74	420	ND	U
87-68-3	Hexachlorobutadiene	34	420	ND	U
105-60-2	Caprolactam	88	420	ND	U
59-50-7	4-Chloro-3-methylphenol	62	420	ND	U
91-57-6	2-Methylnaphthalene	36	420	ND	U
77-47-4	Hexachlorocyclopentadiene	84	420	ND	U
88-06-2	2,4,6-Trichlorophenol	42	420	ND	U
95-95-4	2,4,5-Trichlorophenol	60	420	ND	U
92-52-4	1,1'-Biphenyl	55	420	ND	U
91-58-7	2-Chloronaphthalene	50	420	ND	U
88-74-4	2-Nitroaniline	53	850	ND	U
131-11-3	Dimethylphthalate	51	420	ND	U
606-20-2	2,6-Dinitrotoluene	63	420	ND	U
208-96-8	Acenaphthylene	53	420	ND	U
99-09-2	3-Nitroaniline	37	850	ND	U
83-32-9	Acenaphthene	47	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR005

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163105  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163105A64  
Analyst: 2650

% Moisture: 22      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5	2,4-Dinitrophenol	610	850	ND	U
100-02-7	4-Nitrophenol	61	850	ND	U
121-14-2	2,4-Dinitrotoluene	58	420	ND	U
132-64-9	Dibenzofuran	50	420	ND	U
84-66-2	Diethylphthalate	53	420	ND	U
7005-72-3	4-Chlorophenyl-phenylether	49	420	ND	U
86-73-7	Fluorene	52	420	ND	U
100-01-6	4-Nitroaniline	35	850	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	41	850	ND	U
86-30-6	N-Nitrosodiphenylamine (1)	84	420	ND	U
101-55-3	4-Bromophenyl-phenylether	64	420	ND	U
118-74-1	Hexachlorobenzene	60	420	ND	U
87-86-5	Pentachlorophenol	34	850	ND	U
85-01-8	Phenanthrene	51	420	ND	U
120-12-7	Anthracene	52	420	ND	U
86-74-8	Carbazole	50	420	ND	U
84-74-2	Di-n-butylphthalate	57	420	ND	U
206-44-0	Fluoranthene	49	420	ND	U
129-00-0	Pyrene	50	420	ND	U
85-68-7	Butylbenzylphthalate	53	420	ND	U
91-94-1	3,3'-Dichlorobenzidine	28	420	ND	U
117-81-7	bis(2-ethylhexyl) Phthalate	69	420	170	JB
56-55-3	Benzo(a)anthracene	47	420	ND	U
218-01-9	Chrysene	53	420	ND	U
117-84-0	Di-n-octylphthalate	68	420	ND	U
205-99-2	Benzo(b)fluoranthene	41	420	ND	U
207-08-9	Benzo(k)fluoranthene	69	420	ND	U
50-32-8	Benzo(a)pyrene	40	420	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	420	ND	U
53-70-3	Dibenzo(a,h)anthracene	39	420	ND	U
191-24-2	Benzo(g,h,i)perylene	30	420	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR005

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163105  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163105A64  
Analyst: 2650

% Moisture: 22                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR006

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163106  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163106A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	430	ND	U
108-95-2	Phenol	78	430	ND	U
111-44-4	Bis (2-chloroethyl) ether	37	430	ND	U
95-57-8	2-Chlorophenol	42	430	ND	U
95-48-7	2-Methylphenol	44	430	ND	U
108-60-1	2,2'-oxybis (1-Chloropropane)	35	430	ND	U
98-86-2	Acetophenone	150	430	ND	U
106-44-5	4-Methylphenol	100	870	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	430	ND	U
67-72-1	Hexachloroethane	23	430	ND	U
98-95-3	Nitrobenzene	48	430	ND	U
78-59-1	Isophorone	44	430	ND	U
88-75-5	2-Nitrophenol	34	430	ND	U
105-67-9	2,4-Dimethylphenol	150	430	ND	U
111-91-1	Bis (2-chloroethoxy) methane	49	430	ND	U
120-83-2	2,4-Dichlorophenol	32	430	ND	U
91-20-3	Naphthalene	37	430	ND	U
106-47-8	4-Chloroaniline	74	430	ND	U
87-68-3	Hexachlorobutadiene	34	430	ND	U
105-60-2	Caprolactam	88	430	ND	U
59-50-7	4-Chloro-3-methylphenol	62	430	ND	U
91-57-6	2-Methylnaphthalene	36	430	ND	U
77-47-4	Hexachlorocyclopentadiene	84	430	ND	U
88-06-2	2,4,6-Trichlorophenol	42	430	ND	U
95-95-4	2,4,5-Trichlorophenol	60	430	ND	U
92-52-4	1,1'-Biphenyl	55	430	ND	U
91-58-7	2-Chloronaphthalene	50	430	ND	U
88-74-4	2-Nitroaniline	53	870	ND	U
131-11-3	Dimethylphthalate	51	430	ND	U
606-20-2	2,6-Dinitrotoluene	63	430	ND	U
208-96-8	Acenaphthylene	53	430	ND	U
99-09-2	3-Nitroaniline	37	870	ND	U
83-32-9	Acenaphthene	47	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR006

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163106  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163106A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	870	ND	U
100-02-7--	4-Nitrophenol	61	870	ND	U
121-14-2--	2,4-Dinitrotoluene	58	430	ND	U
132-64-9--	Dibenzofuran	50	430	ND	U
84-66-2---	Diethylphthalate	53	430	ND	U
7005-72-3-4-	Chlorophenyl-phenylether	49	430	ND	U
86-73-7---	Fluorene	52	430	ND	U
100-01-6--	4-Nitroaniline	35	870	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	41	870	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	430	ND	U
101-55-3--	4-Bromophenyl-phenylether	64	430	ND	U
118-74-1--	Hexachlorobenzene	60	430	ND	U
87-86-5---	Pentachlorophenol	34	870	ND	U
85-01-8---	Phenanthrene	51	430	ND	U
120-12-7--	Anthracene	52	430	ND	U
86-74-8---	Carbazole	50	430	ND	U
84-74-2---	Di-n-butylphthalate	57	430	ND	U
206-44-0--	Fluoranthene	49	430	ND	U
129-00-0--	Pyrene	50	430	ND	U
85-68-7---	Butylbenzylphthalate	53	430	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	430	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	430	110	JB
56-55-3---	Benzo(a)anthracene	47	430	ND	U
218-01-9--	Chrysene	53	430	ND	U
117-84-0--	Di-n-octylphthalate	68	430	ND	U
205-99-2--	Benzo(b)fluoranthene	41	430	ND	U
207-08-9--	Benzo(k)fluoranthene	69	430	ND	U
50-32-8---	Benzo(a)pyrene	40	430	ND	U
193-39-5--	Indeno(1,2,3-cd)pyrene	30	430	ND	U
53-70-3---	Dibenzo(a,h)anthracene	39	430	ND	U
191-24-2--	Benzo(g,h,i)perylene	30	430	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR006

Lab Project Number:  
Method: 8270C  
Date Collected: 11/27/06

Lab Sample ID: 1163106  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163106A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9	Atrazine	40	430	ND	U

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR007

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163107  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163107A64  
Analyst: 2650

% Moisture: 23                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	430	ND	U
108-95-2	Phenol	78	430	170	J
111-44-4	Bis(2-chloroethyl) ether	37	430	ND	U
95-57-8	2-Chlorophenol	42	430	ND	U
95-48-7	2-Methylphenol	44	430	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	430	ND	U
98-86-2	Acetophenone	150	430	ND	U
106-44-5	4-Methylphenol	100	860	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	430	ND	U
67-72-1	Hexachloroethane	23	430	ND	U
98-95-3	Nitrobenzene	48	430	ND	U
78-59-1	Isophorone	44	430	ND	U
88-75-5	2-Nitrophenol	34	430	ND	U
105-67-9	2,4-Dimethylphenol	150	430	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	430	ND	U
120-83-2	2,4-Dichlorophenol	32	430	ND	U
91-20-3	Naphthalene	37	430	61	J
106-47-8	4-Chloroaniline	74	430	ND	U
87-68-3	Hexachlorobutadiene	34	430	ND	U
105-60-2	Caprolactam	88	430	ND	U
59-50-7	4-Chloro-3-methylphenol	62	430	ND	U
91-57-6	2-Methylnaphthalene	36	430	76	J
77-47-4	Hexachlorocyclopentadiene	84	430	ND	U
88-06-2	2,4,6-Trichlorophenol	42	430	ND	U
95-95-4	2,4,5-Trichlorophenol	60	430	ND	U
92-52-4	1,1'-Biphenyl	55	430	ND	U
91-58-7	2-Chloronaphthalene	50	430	ND	U
88-74-4	2-Nitroaniline	53	860	ND	U
131-11-3	Dimethylphthalate	51	430	ND	U
606-20-2	2,6-Dinitrotoluene	63	430	ND	U
208-96-8	Acenaphthylene	53	430	ND	U
99-09-2	3-Nitroaniline	37	860	ND	U
83-32-9	Acenaphthene	47	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR007

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163107  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163107A64  
Analyst: 2650

% Moisture: 23                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	860	ND	U
100-02-7--	4-Nitrophenol	61	860	ND	U
121-14-2--	2,4-Dinitrotoluene	58	430	ND	U
132-64-9--	Dibenzofuran	50	430	ND	U
84-66-2---	Diethylphthalate	53	430	ND	U
7005-72-3-4	Chlorophenyl-phenylether	49	430	ND	U
86-73-7---	Fluorene	52	430	ND	U
100-01-6--	4-Nitroaniline	35	860	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	41	860	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	430	ND	U
101-55-3--	4-Bromophenyl-phenylether	64	430	ND	U
118-74-1--	Hexachlorobenzene	60	430	ND	U
87-86-5---	Pentachlorophenol	34	860	ND	U
85-01-8---	Phenanthrene	51	430	170	J
120-12-7--	Anthracene	52	430	ND	U
86-74-8---	Carbazole	50	430	ND	U
84-74-2---	Di-n-butylphthalate	57	430	140	J
206-44-0--	Fluoranthene	49	430	190	J
129-00-0--	Pyrene	50	430	160	J
85-68-7---	Butylbenzylphthalate	53	430	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	430	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	430	530	B
56-55-3---	Benzo(a)anthracene	47	430	160	J
218-01-9--	Chrysene	53	430	230	J
117-84-0--	Di-n-octylphthalate	68	430	ND	U
205-99-2--	Benzo(b)fluoranthene	41	430	210	J
207-08-9--	Benzo(k)fluoranthene	69	430	160	J
50-32-8---	Benzo(a)pyrene	40	430	210	J
193-39-5--	Indeno(1,2,3-cd)pyrene	30	430	180	J
53-70-3---	Dibenzo(a,h)anthracene	39	430	78	J
191-24-2--	Benzo(g,h,i)perylene	30	430	260	J

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR007

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163107  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163107A64  
Analyst: 2650

% Moisture: 23           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9	Atrazine	40	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR008

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163108  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163108A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	430	ND	U
108-95-2	Phenol	78	430	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	430	ND	U
95-57-8	2-Chlorophenol	42	430	ND	U
95-48-7	2-Methylphenol	44	430	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	430	ND	U
98-86-2	Acetophenone	150	430	ND	U
106-44-5	4-Methylphenol	100	870	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	430	ND	U
67-72-1	Hexachloroethane	23	430	ND	U
98-95-3	Nitrobenzene	48	430	ND	U
78-59-1	Isophorone	44	430	ND	U
88-75-5	2-Nitrophenol	34	430	ND	U
105-67-9	2,4-Dimethylphenol	150	430	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	430	ND	U
120-83-2	2,4-Dichlorophenol	32	430	ND	U
91-20-3	Naphthalene	37	430	ND	U
106-47-8	4-Chloroaniline	74	430	ND	U
87-68-3	Hexachlorobutadiene	34	430	ND	U
105-60-2	Caprolactam	88	430	ND	U
59-50-7	4-Chloro-3-methylphenol	62	430	ND	U
91-57-6	2-Methylnaphthalene	36	430	ND	U
77-47-4	Hexachlorocyclopentadiene	84	430	ND	U
88-06-2	2,4,6-Trichlorophenol	42	430	ND	U
95-95-4	2,4,5-Trichlorophenol	60	430	ND	U
92-52-4	1,1'-Biphenyl	55	430	ND	U
91-58-7	2-Chloronaphthalene	50	430	ND	U
88-74-4	2-Nitroaniline	53	870	ND	U
131-11-3	Dimethylphthalate	51	430	ND	U
606-20-2	2,6-Dinitrotoluene	63	430	ND	U
208-96-8	Acenaphthylene	53	430	ND	U
99-09-2	3-Nitroaniline	37	870	ND	U
83-32-9	Acenaphthene	47	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR008

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163108  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163108A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	870	ND	U
100-02-7--	4-Nitrophenol	61	870	ND	U
121-14-2--	2,4-Dinitrotoluene	58	430	ND	U
132-64-9--	Dibenzofuran	50	430	ND	U
84-66-2---	Diethylphthalate	53	430	ND	U
7005-72-3-4	Chlorophenyl-phenylether	49	430	ND	U
86-73-7---	Fluorene	52	430	ND	U
100-01-6--	4-Nitroaniline	35	870	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	41	870	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	430	ND	U
101-55-3--	4-Bromophenyl-phenylether	64	430	ND	U
118-74-1--	Hexachlorobenzene	60	430	ND	U
87-86-5---	Pentachlorophenol	34	870	ND	U
85-01-8---	Phenanthrene	51	430	ND	U
120-12-7--	Anthracene	52	430	ND	U
86-74-8---	Carbazole	50	430	ND	U
84-74-2---	Di-n-butylphthalate	57	430	ND	U
206-44-0--	Fluoranthene	49	430	ND	U
129-00-0--	Pyrene	50	430	ND	U
85-68-7---	Butylbenzylphthalate	53	430	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	430	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	430	120	JB
56-55-3---	Benzo(a)anthracene	47	430	ND	U
218-01-9--	Chrysene	53	430	ND	U
117-84-0--	Di-n-octylphthalate	68	430	ND	U
205-99-2--	Benzo(b)fluoranthene	41	430	ND	U
207-08-9--	Benzo(k)fluoranthene	69	430	ND	U
50-32-8---	Benzo(a)pyrene	40	430	ND	U
193-39-5--	Indeno(1,2,3-cd)pyrene	30	430	ND	U
53-70-3---	Dibenzo(a,h)anthracene	39	430	ND	U
191-24-2--	Benzo(g,h,i)perylene	30	430	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR008

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163108  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163108A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	430	ND	U

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR009

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163109  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163109A64  
Analyst: 2650

% Moisture: 20           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	410	ND	U
108-95-2	Phenol	78	410	1300	U
111-44-4	Bis(2-chloroethyl) ether	37	410	ND	U
95-57-8	2-Chlorophenol	42	410	ND	U
95-48-7	2-Methylphenol	44	410	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	410	ND	U
98-86-2	Acetophenone	150	410	ND	U
106-44-5	4-Methylphenol	100	830	140	J
621-64-7	N-Nitroso-di-N-propylamine	77	410	ND	U
67-72-1	Hexachloroethane	23	410	ND	U
98-95-3	Nitrobenzene	48	410	ND	U
78-59-1	Isophorone	44	410	ND	U
88-75-5	2-Nitrophenol	34	410	ND	U
105-67-9	2,4-Dimethylphenol	150	410	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	410	ND	U
120-83-2	2,4-Dichlorophenol	32	410	ND	U
91-20-3	Naphthalene	37	410	150	J
106-47-8	4-Chloroaniline	74	410	ND	U
87-68-3	Hexachlorobutadiene	34	410	ND	U
105-60-2	Caprolactam	88	410	ND	U
59-50-7	4-Chloro-3-methylphenol	62	410	ND	U
91-57-6	2-Methylnaphthalene	36	410	65	J
77-47-4	Hexachlorocyclopentadiene	84	410	ND	U
88-06-2	2,4,6-Trichlorophenol	42	410	ND	U
95-95-4	2,4,5-Trichlorophenol	60	410	ND	U
92-52-4	1,1'-Biphenyl	55	410	ND	U
91-58-7	2-Chloronaphthalene	50	410	ND	U
88-74-4	2-Nitroaniline	53	830	ND	U
131-11-3	Dimethylphthalate	51	410	ND	U
606-20-2	2,6-Dinitrotoluene	63	410	ND	U
208-96-8	Acenaphthylene	53	410	ND	U
99-09-2	3-Nitroaniline	37	830	ND	U
83-32-9	Acenaphthene	47	410	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR009

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163109  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163109A64  
Analyst: 2650

% Moisture: 20                      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	830	ND	U
100-02-7--	4-Nitrophenol	61	830	ND	U
121-14-2--	2,4-Dinitrotoluene	58	410	ND	U
132-64-9--	Dibenzofuran	50	410	ND	U
84-66-2---	Diethylphthalate	53	410	79	J
7005-72-3-4	Chlorophenyl-phenylether	49	410	ND	U
86-73-7---	Fluorene	52	410	ND	U
100-01-6--	4-Nitroaniline	35	830	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	41	830	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	410	ND	U
101-55-3--	4-Bromophenyl-phenylether	64	410	ND	U
118-74-1--	Hexachlorobenzene	60	410	ND	U
87-86-5---	Pentachlorophenol	34	830	ND	U
85-01-8---	Phenanthrene	51	410	100	J
120-12-7--	Anthracene	52	410	ND	U
86-74-8---	Carbazole	50	410	ND	U
84-74-2---	Di-n-butylphthalate	57	410	730	J
206-44-0--	Fluoranthene	49	410	150	J
129-00-0--	Pyrene	50	410	130	J
85-68-7---	Butylbenzylphthalate	53	410	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	410	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	410	760	B
56-55-3---	Benzo(a)anthracene	47	410	86	J
218-01-9--	Chrysene	53	410	140	J
117-84-0--	Di-n-octylphthalate	68	410	ND	U
205-99-2--	Benzo(b)fluoranthene	41	410	120	J
207-08-9--	Benzo(k)fluoranthene	69	410	ND	U
50-32-8---	Benzo(a)pyrene	40	410	87	J
193-39-5--	Indeno(1,2,3-cd)pyrene	30	410	67	J
53-70-3---	Dibenzo(a,h)anthracene	39	410	ND	U
191-24-2--	Benzo(g,h,i)perylene	30	410	95	J

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR009

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163109  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163109A64  
Analyst: 2650

% Moisture: 20                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	410	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR010

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163110  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163110A64  
Analyst: 2650

% Moisture: 20           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	410	ND	U
108-95-2	Phenol	78	410	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	410	ND	U
95-57-8	2-Chlorophenol	42	410	ND	U
95-48-7	2-Methylphenol	44	410	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	410	ND	U
98-86-2	Acetophenone	150	410	ND	U
106-44-5	4-Methylphenol	100	830	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	410	ND	U
67-72-1	Hexachloroethane	23	410	ND	U
98-95-3	Nitrobenzene	48	410	ND	U
78-59-1	Isophorone	44	410	ND	U
88-75-5	2-Nitrophenol	34	410	ND	U
105-67-9	2,4-Dimethylphenol	150	410	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	410	ND	U
120-83-2	2,4-Dichlorophenol	32	410	ND	U
91-20-3	Naphthalene	37	410	ND	U
106-47-8	4-Chloroaniline	74	410	ND	U
87-68-3	Hexachlorobutadiene	34	410	ND	U
105-60-2	Caprolactam	88	410	ND	U
59-50-7	4-Chloro-3-methylphenol	62	410	ND	U
91-57-6	2-Methylnaphthalene	36	410	ND	U
77-47-4	Hexachlorocyclopentadiene	84	410	ND	U
88-06-2	2,4,6-Trichlorophenol	42	410	ND	U
95-95-4	2,4,5-Trichlorophenol	60	410	ND	U
92-52-4	1,1'-Biphenyl	55	410	ND	U
91-58-7	2-Chloronaphthalene	50	410	ND	U
88-74-4	2-Nitroaniline	53	830	ND	U
131-11-3	Dimethylphthalate	51	410	ND	U
606-20-2	2,6-Dinitrotoluene	63	410	ND	U
208-96-8	Acenaphthylene	53	410	ND	U
99-09-2	3-Nitroaniline	37	830	ND	U
83-32-9	Acenaphthene	47	410	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR010

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163110  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163110A64  
Analyst: 2650

% Moisture: 20           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	830	ND	U
100-02-7---	4-Nitrophenol	61	830	ND	U
121-14-2---	2,4-Dinitrotoluene	58	410	ND	U
132-64-9---	Dibenzofuran	50	410	ND	U
84-66-2---	Diethylphthalate	53	410	ND	U
7005-72-3-4-	Chlorophenyl-phenylether	49	410	ND	U
86-73-7---	Fluorene	52	410	ND	U
100-01-6---	4-Nitroaniline	35	830	ND	U
534-52-1---	4,6-Dinitro-2-methylphenol	41	830	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	410	ND	U
101-55-3---	4-Bromophenyl-phenylether	64	410	ND	U
118-74-1---	Hexachlorobenzene	60	410	ND	U
87-86-5---	Pentachlorophenol	34	830	ND	U
85-01-8---	Phenanthrene	51	410	93	J
120-12-7---	Anthracene	52	410	ND	U
86-74-8---	Carbazole	50	410	ND	U
84-74-2---	Di-n-butylphthalate	57	410	ND	U
206-44-0---	Fluoranthene	49	410	140	J
129-00-0---	Pyrene	50	410	97	J
85-68-7---	Butylbenzylphthalate	53	410	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	410	ND	U
117-81-7---	bis(2-ethylhexyl) Phthalate	69	410	150	JB
56-55-3---	Benzo(a) anthracene	47	410	ND	U
218-01-9---	Chrysene	53	410	75	J
117-84-0---	Di-n-octylphthalate	68	410	ND	U
205-99-2---	Benzo(b) fluoranthene	41	410	55	J
207-08-9---	Benzo(k) fluoranthene	69	410	ND	U
50-32-8---	Benzo(a) pyrene	40	410	ND	U
193-39-5---	Indeno(1,2,3-cd)pyrene	30	410	ND	U
53-70-3---	Dibenzo(a,h) anthracene	39	410	ND	U
191-24-2---	Benzo(g,h,i) perylene	30	410	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR010

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163110

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1163110A64

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 11/30/06

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/04/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_

Number TICs found: 12

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	18.07	340	J
2.	UNKNOWN	18.12	370	J
3.	UNKNOWN	18.17	410	J
4.	UNKNOWN	18.24	370	J
5.	UNKNOWN	18.29	360	J
6.	UNKNOWN	18.34	470	J
7.	UNKNOWN	18.40	360	J
8.	UNKNOWN	18.47	180	J
9.	UNKNOWN	18.51	170	J
10.	STRAIGHT-CHAIN ALKANE	18.54	340	J
11.	UNKNOWN	22.56	420	J
12.	UNKNOWN	27.19	320	J
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR010

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163110  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163110A64  
Analyst: 2650

% Moisture: 20           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	410	ND	U

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR011

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163111  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163111A64  
Analyst: 2650

% Moisture: 19      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	410	ND	U
108-95-2	Phenol	78	410	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	410	ND	U
95-57-8	2-Chlorophenol	42	410	ND	U
95-48-7	2-Methylphenol	44	410	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	410	ND	U
98-86-2	Acetophenone	150	410	ND	U
106-44-5	4-Methylphenol	100	810	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	410	ND	U
67-72-1	Hexachloroethane	23	410	ND	U
98-95-3	Nitrobenzene	48	410	ND	U
78-59-1	Isophorone	44	410	ND	U
88-75-5	2-Nitrophenol	34	410	ND	U
105-67-9	2,4-Dimethylphenol	150	410	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	410	ND	U
120-83-2	2,4-Dichlorophenol	32	410	ND	U
91-20-3	Naphthalene	37	410	ND	U
106-47-8	4-Chloroaniline	74	410	ND	U
87-68-3	Hexachlorobutadiene	34	410	ND	U
105-60-2	Caprolactam	88	410	ND	U
59-50-7	4-Chloro-3-methylphenol	62	410	ND	U
91-57-6	2-Methylnaphthalene	36	410	ND	U
77-47-4	Hexachlorocyclopentadiene	84	410	ND	U
88-06-2	2,4,6-Trichlorophenol	42	410	ND	U
95-95-4	2,4,5-Trichlorophenol	60	410	ND	U
92-52-4	1,1'-Biphenyl	55	410	ND	U
91-58-7	2-Chloronaphthalene	50	410	ND	U
88-74-4	2-Nitroaniline	53	810	ND	U
131-11-3	Dimethylphthalate	51	410	ND	U
606-20-2	2,6-Dinitrotoluene	63	410	ND	U
208-96-8	Acenaphthylene	53	410	ND	U
99-09-2	3-Nitroaniline	37	810	ND	U
83-32-9	Acenaphthene	47	410	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR011

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163111  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163111A64  
Analyst: 2650

% Moisture: 19           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---2,4-Dinitrophenol		610	810	ND	U
100-02-7--4-Nitrophenol		61	810	ND	U
121-14-2--2,4-Dinitrotoluene		58	410	ND	U
132-64-9--Dibenzofuran		50	410	ND	U
84-66-2---Diethylphthalate		53	410	ND	U
7005-72-3-4-Chlorophenyl-phenylether		49	410	ND	U
86-73-7---Fluorene		52	410	ND	U
100-01-6--4-Nitroaniline		35	810	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		41	810	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		84	410	ND	U
101-55-3--4-Bromophenyl-phenylether		64	410	ND	U
118-74-1--Hexachlorobenzene		60	410	950	
87-86-5---Pentachlorophenol		34	810	ND	U
85-01-8---Phenanthrene		51	410	ND	U
120-12-7--Anthracene		52	410	ND	U
86-74-8---Carbazole		50	410	ND	U
84-74-2---Di-n-butylphthalate		57	410	ND	U
206-44-0--Fluoranthene		49	410	98	J
129-00-0--Pyrene		50	410	87	J
85-68-7---Butylbenzylphthalate		53	410	ND	U
91-94-1---3,3'-Dichlorobenzidine		28	410	ND	U
117-81-7--bis(2-ethylhexyl)Phthalate		69	410	150	JB
56-55-3---Benzo(a)anthracene		47	410	ND	U
218-01-9--Chrysene		53	410	78	J
117-84-0--Di-n-octylphthalate		68	410	ND	U
205-99-2--Benzo(b)fluoranthene		41	410	61	J
207-08-9--Benzo(k)fluoranthene		69	410	ND	U
50-32-8---Benzo(a)pyrene		40	410	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		30	410	ND	U
53-70-3---Dibenzo(a,h)anthracene		39	410	ND	U
191-24-2--Benzo(g,h,i)perylene		30	410	42	J

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR011

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163111  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163111A64  
Analyst: 2650

% Moisture: 19           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	410	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR012

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163112  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163112A64  
Analyst: 2650

% Moisture: 22           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	420	ND	U
108-95-2	Phenol	78	420	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	420	ND	U
95-57-8	2-Chlorophenol	42	420	ND	U
95-48-7	2-Methylphenol	44	420	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	420	ND	U
98-86-2	Acetophenone	150	420	ND	U
106-44-5	4-Methylphenol	100	850	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	420	ND	U
67-72-1	Hexachloroethane	23	420	ND	U
98-95-3	Nitrobenzene	48	420	ND	U
78-59-1	Isophorone	44	420	ND	U
88-75-5	2-Nitrophenol	34	420	ND	U
105-67-9	2,4-Dimethylphenol	150	420	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	420	ND	U
120-83-2	2,4-Dichlorophenol	32	420	ND	U
91-20-3	Naphthalene	37	420	ND	U
106-47-8	4-Chloroaniline	74	420	ND	U
87-68-3	Hexachlorobutadiene	34	420	ND	U
105-60-2	Caprolactam	88	420	ND	U
59-50-7	4-Chloro-3-methylphenol	62	420	ND	U
91-57-6	2-Methylnaphthalene	36	420	ND	U
77-47-4	Hexachlorocyclopentadiene	84	420	ND	U
88-06-2	2,4,6-Trichlorophenol	42	420	ND	U
95-95-4	2,4,5-Trichlorophenol	60	420	ND	U
92-52-4	1,1'-Biphenyl	55	420	ND	U
91-58-7	2-Chloronaphthalene	50	420	ND	U
88-74-4	2-Nitroaniline	53	850	ND	U
131-11-3	Dimethylphthalate	51	420	ND	U
606-20-2	2,6-Dinitrotoluene	63	420	ND	U
208-96-8	Acenaphthylene	53	420	ND	U
99-09-2	3-Nitroaniline	37	850	ND	U
83-32-9	Acenaphthene	47	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR012

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163112  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163112A64  
Analyst: 2650

% Moisture: 22                      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	850	ND	U
100-02-7---	4-Nitrophenol	61	850	ND	U
121-14-2---	2,4-Dinitrotoluene	58	420	ND	U
132-64-9--	Dibenzofuran	50	420	ND	U
84-66-2---	Diethylphthalate	53	420	ND	U
7005-72-3-4-	Chlorophenyl-phenylether	49	420	ND	U
86-73-7---	Fluorene	52	420	ND	U
100-01-6---	4-Nitroaniline	35	850	ND	U
534-52-1---	4,6-Dinitro-2-methylphenol	41	850	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	420	ND	U
101-55-3---	4-Bromophenyl-phenylether	64	420	ND	U
118-74-1--	Hexachlorobenzene	60	420	ND	U
87-86-5---	Pentachlorophenol	34	850	ND	U
85-01-8---	Phenanthrene	51	420	ND	U
120-12-7--	Anthracene	52	420	ND	U
86-74-8---	Carbazole	50	420	ND	U
84-74-2---	Di-n-butylphthalate	57	420	ND	U
206-44-0--	Fluoranthene	49	420	ND	U
129-00-0--	Pyrene	50	420	ND	U
85-68-7---	Butylbenzylphthalate	53	420	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	420	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	420	ND	U
56-55-3---	Benzo(a)anthracene	47	420	ND	U
218-01-9--	Chrysene	53	420	ND	U
117-84-0--	Di-n-octylphthalate	68	420	ND	U
205-99-2--	Benzo(b)fluoranthene	41	420	ND	U
207-08-9--	Benzo(k)fluoranthene	69	420	ND	U
50-32-8---	Benzo(a)pyrene	40	420	ND	U
193-39-5--	Indeno(1,2,3-cd)pyrene	30	420	ND	U
53-70-3---	Dibenzo(a,h)anthracene	39	420	ND	U
191-24-2--	Benzo(g,h,i)perylene	30	420	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR012

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163112

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1163112A64

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 11/30/06

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/04/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I SV-TIC

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR012

Lab Project Number:  
Method: 8270C  
Date Collected: 11/28/06

Lab Sample ID: 1163112  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163112A64  
Analyst: 2650

% Moisture: 22           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/04/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9	Atrazine	40	420	ND	U

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR013

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163113  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163113A64  
Analyst: 2650

% Moisture: 21           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	420	ND	U
108-95-2	Phenol	78	420	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	420	ND	U
95-57-8	2-Chlorophenol	42	420	ND	U
95-48-7	2-Methylphenol	44	420	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	420	ND	U
98-86-2	Acetophenone	150	420	ND	U
106-44-5	4-Methylphenol	100	840	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	420	ND	U
67-72-1	Hexachloroethane	23	420	ND	U
98-95-3	Nitrobenzene	48	420	ND	U
78-59-1	Isophorone	44	420	ND	U
88-75-5	2-Nitrophenol	34	420	ND	U
105-67-9	2,4-Dimethylphenol	150	420	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	420	ND	U
120-83-2	2,4-Dichlorophenol	32	420	ND	U
91-20-3	Naphthalene	37	420	ND	U
106-47-8	4-Chloroaniline	74	420	ND	U
87-68-3	Hexachlorobutadiene	34	420	ND	U
105-60-2	Caprolactam	88	420	ND	U
59-50-7	4-Chloro-3-methylphenol	62	420	ND	U
91-57-6	2-Methylnaphthalene	36	420	ND	U
77-47-4	Hexachlorocyclopentadiene	84	420	ND	U
88-06-2	2,4,6-Trichlorophenol	42	420	ND	U
95-95-4	2,4,5-Trichlorophenol	60	420	ND	U
92-52-4	1,1'-Biphenyl	55	420	ND	U
91-58-7	2-Chloronaphthalene	50	420	ND	U
88-74-4	2-Nitroaniline	53	840	ND	U
131-11-3	Dimethylphthalate	51	420	ND	U
606-20-2	2,6-Dinitrotoluene	63	420	ND	U
208-96-8	Acenaphthylene	53	420	ND	U
99-09-2	3-Nitroaniline	37	840	ND	U
83-32-9	Acenaphthene	47	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR013

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163113  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163113A64  
Analyst: 2650

% Moisture: 21           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	840	ND	U
100-02-7--	4-Nitrophenol	61	840	ND	U
121-14-2--	2,4-Dinitrotoluene	58	420	ND	U
132-64-9--	Dibenzofuran	50	420	ND	U
84-66-2---	Diethylphthalate	53	420	ND	U
7005-72-3-4	Chlorophenyl-phenylether	49	420	ND	U
86-73-7---	Fluorene	52	420	ND	U
100-01-6--	4-Nitroaniline	35	840	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	41	840	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	420	ND	U
101-55-3--	4-Bromophenyl-phenylether	64	420	ND	U
118-74-1--	Hexachlorobenzene	60	420	ND	U
87-86-5---	Pentachlorophenol	34	840	ND	U
85-01-8---	Phenanthrene	51	420	100	J
120-12-7--	Anthracene	52	420	ND	U
86-74-8---	Carbazole	50	420	ND	U
84-74-2---	Di-n-butylphthalate	57	420	ND	U
206-44-0--	Fluoranthene	49	420	170	J
129-00-0--	Pyrene	50	420	120	J
85-68-7---	Butylbenzylphthalate	53	420	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	420	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	69	420	200	J
56-55-3---	Benzo(a)anthracene	47	420	61	J
218-01-9--	Chrysene	53	420	94	J
117-84-0--	Di-n-octylphthalate	68	420	ND	U
205-99-2--	Benzo(b)fluoranthene	41	420	78	J
207-08-9--	Benzo(k)fluoranthene	69	420	ND	U
50-32-8---	Benzo(a)pyrene	40	420	69	J
193-39-5--	Indeno(1,2,3-cd)pyrene	30	420	48	J
53-70-3---	Dibenzo(a,h)anthracene	39	420	ND	U
191-24-2--	Benzo(g,h,i)perylene	30	420	51	J

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR013

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163113  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163113A64  
Analyst: 2650

% Moisture: 21                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	420	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR014

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163114  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

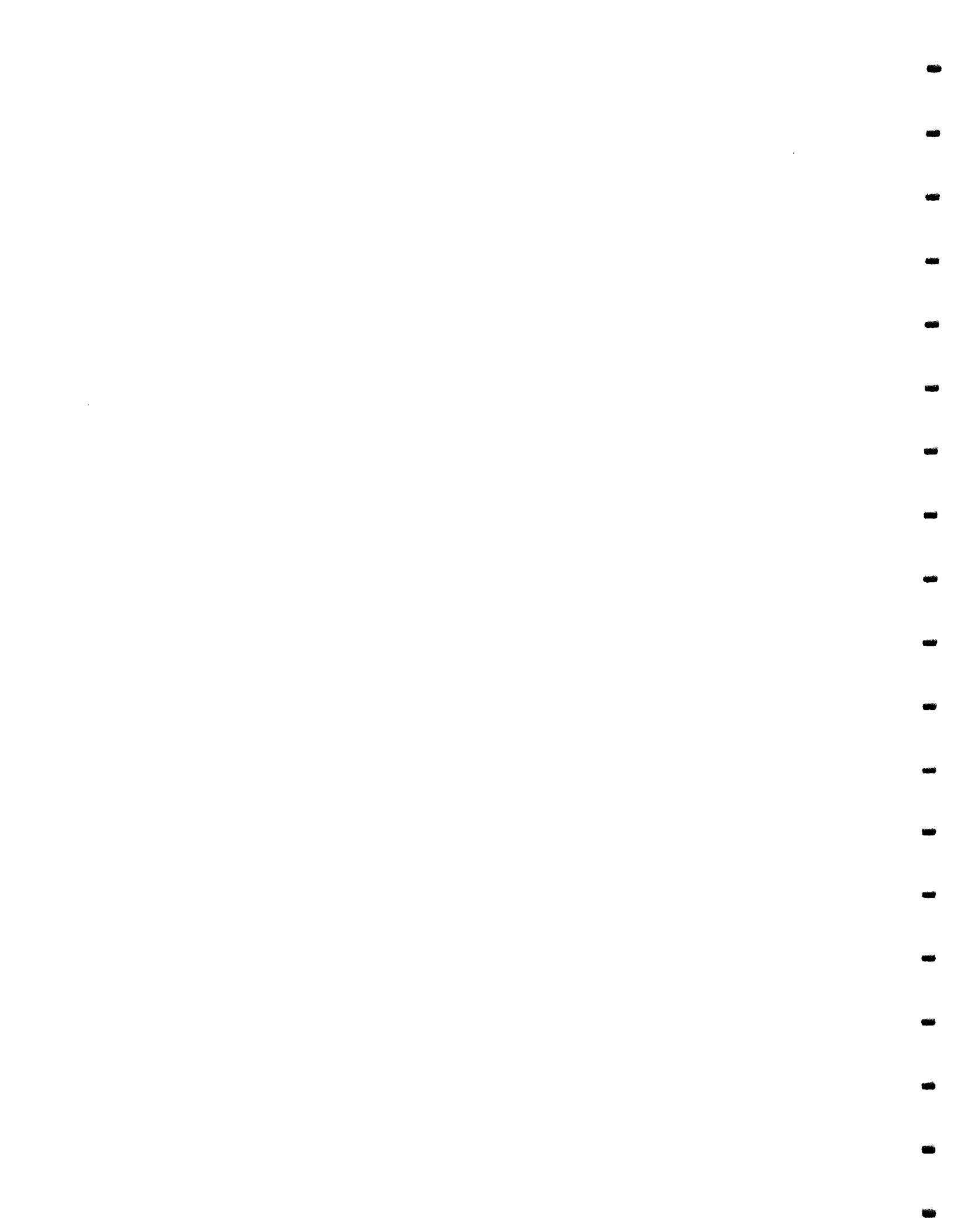
Date Received: 11/30/06  
Lab File ID: 1163114A64  
Analyst: 2650

% Moisture: 24                   decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	430	ND	U
108-95-2	Phenol	78	430	ND	UU
111-44-4	Bis (2-chloroethyl) ether	37	430	ND	UUU
95-57-8	2-Chlorophenol	42	430	ND	UUU
95-48-7	2-Methylphenol	44	430	ND	UUU
108-60-1	2,2'-oxybis (1-Chloropropane)	35	430	ND	UUU
98-86-2	Acetophenone	150	430	ND	UUU
106-44-5	4-Methylphenol	100	870	ND	UUU
621-64-7	N-Nitroso-di-N-propylamine	77	430	ND	UUU
67-72-1	Hexachloroethane	23	430	ND	UUU
98-95-3	Nitrobenzene	48	430	ND	UUU
78-59-1	Isophorone	44	430	ND	UUU
88-75-5	2-Nitrophenol	34	430	ND	UUU
105-67-9	2,4-Dimethylphenol	150	430	ND	UUU
111-91-1	Bis (2-chloroethoxy) methane	49	430	ND	UUU
120-83-2	2,4-Dichlorophenol	32	430	ND	UUU
91-20-3	Naphthalene	37	430	ND	UUU
106-47-8	4-Chloroaniline	74	430	ND	UUU
87-68-3	Hexachlorobutadiene	34	430	ND	UUU
105-60-2	Caprolactam	88	430	ND	UUU
59-50-7	4-Chloro-3-methylphenol	62	430	ND	UUU
91-57-6	2-Methylnaphthalene	36	430	ND	UUU
77-47-4	Hexachlorocyclopentadiene	84	430	ND	UUU
88-06-2	2,4,6-Trichlorophenol	42	430	ND	UUU
95-95-4	2,4,5-Trichlorophenol	60	430	ND	UUU
92-52-4	1,1'-Biphenyl	55	430	ND	UUU
91-58-7	2-Chloronaphthalene	50	430	ND	UUU
88-74-4	2-Nitroaniline	53	870	ND	UUU
131-11-3	Dimethylphthalate	51	430	ND	UUU
606-20-2	2,6-Dinitrotoluene	63	430	ND	UUU
208-96-8	Acenaphthylene	53	430	ND	UUU
99-09-2	3-Nitroaniline	37	870	ND	UUU
83-32-9	Acenaphthene	47	430	ND	UU

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR014

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163114  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163114A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---2,4-Dinitrophenol		610	870	ND	U
100-02-7---4-Nitrophenol		61	870	ND	U
121-14-2---2,4-Dinitrotoluene		58	430	ND	U
132-64-9---Dibenzofuran		50	430	ND	U
84-66-2---Diethylphthalate		53	430	ND	U
7005-72-3-4-Chlorophenyl-phenylether		49	430	ND	U
86-73-7---Fluorene		52	430	ND	U
100-01-6---4-Nitroaniline		35	870	ND	U
534-52-1---4,6-Dinitro-2-methylphenol		41	870	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		84	430	ND	U
101-55-3---4-Bromophenyl-phenylether		64	430	ND	U
118-74-1---Hexachlorobenzene		60	430	ND	U
87-86-5---Pentachlorophenol		34	870	ND	U
85-01-8---Phenanthrene		51	430	ND	U
120-12-7---Anthracene		52	430	ND	U
86-74-8---Carbazole		50	430	ND	U
84-74-2---Di-n-butylphthalate		57	430	ND	U
206-44-0---Fluoranthene		49	430	ND	U
129-00-0---Pyrene		50	430	ND	U
85-68-7---Butylbenzylphthalate		53	430	ND	U
91-94-1---3,3'-Dichlorobenzidine		28	430	ND	U
117-81-7--bis(2-ethylhexyl) Phthalate		69	430	570	
56-55-3---Benzo(a)anthracene		47	430	ND	U
218-01-9---Chrysene		53	430	ND	U
117-84-0---Di-n-octylphthalate		68	430	ND	U
205-99-2--Benzo(b)fluoranthene		41	430	ND	U
207-08-9--Benzo(k)fluoranthene		69	430	ND	U
50-32-8---Benzo(a)pyrene		40	430	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		30	430	ND	U
53-70-3---Dibenzo(a,h)anthracene		39	430	ND	U
191-24-2--Benzo(g,h,i)perylene		30	430	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112906JRR014

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163114

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1163114A64

Level: (low/med) LOW

Date Received: 11/30/06

% Moisture: 24 decanted: (Y/N) N

Date Extracted: 12/05/06

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Number TICs found: 10

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AMIDE	20.22	290	J
2.	STRAIGHT-CHAIN ALKANE	20.88	210	J
3.	UNKNOWN	21.08	240	J
4.	UNKNOWN	21.14	400	J
5.	UNKNOWN	21.39	200	J
6.	UNKNOWN	21.45	1200	J
7.	UNKNOWN	21.60	460	J
8.	UNKNOWN	21.69	580	J
9.	UNKNOWN	21.79	1100	J
10.	UNKNOWN	21.86	260	J
11.				
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FORM I SV-TIC



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR014

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163114  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163114A64  
Analyst: 2650

% Moisture: 24           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	430	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR015

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163115  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163115A64  
Analyst: 2650

% Moisture: 15           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	390	ND	U
108-95-2	Phenol	78	390	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	390	ND	U
95-57-8	2-Chlorophenol	42	390	ND	U
95-48-7	2-Methylphenol	44	390	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	390	ND	U
98-86-2	Acetophenone	150	390	ND	U
106-44-5	4-Methylphenol	100	780	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	390	ND	U
67-72-1	Hexachloroethane	23	390	ND	U
98-95-3	Nitrobenzene	48	390	ND	U
78-59-1	Isophorone	44	390	ND	U
88-75-5	2-Nitrophenol	34	390	ND	U
105-67-9	2,4-Dimethylphenol	150	390	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	390	ND	U
120-83-2	2,4-Dichlorophenol	32	390	ND	U
91-20-3	Naphthalene	37	390	ND	U
106-47-8	4-Chloroaniline	74	390	ND	U
87-68-3	Hexachlorobutadiene	34	390	ND	U
105-60-2	Caprolactam	88	390	ND	U
59-50-7	4-Chloro-3-methylphenol	62	390	ND	U
91-57-6	2-Methylnaphthalene	36	390	ND	U
77-47-4	Hexachlorocyclopentadiene	84	390	ND	U
88-06-2	2,4,6-Trichlorophenol	42	390	ND	U
95-95-4	2,4,5-Trichlorophenol	60	390	ND	U
92-52-4	1,1'-Biphenyl	55	390	ND	U
91-58-7	2-Chloronaphthalene	50	390	ND	U
88-74-4	2-Nitroaniline	53	780	ND	U
131-11-3	Dimethylphthalate	51	390	ND	U
606-20-2	2,6-Dinitrotoluene	63	390	ND	U
208-96-8	Acenaphthylene	53	390	ND	U
99-09-2	3-Nitroaniline	37	780	ND	U
83-32-9	Acenaphthene	47	390	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR015

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163115  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163115A64  
Analyst: 2650

% Moisture: 15           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---2,4-Dinitrophenol		610	780	ND	U
100-02-7--4-Nitrophenol		61	780	ND	U
121-14-2--2,4-Dinitrotoluene		58	390	ND	U
132-64-9--Dibenzofuran		50	390	ND	U
84-66-2---Diethylphthalate		53	390	ND	U
7005-72-3-4-Chlorophenyl-phenylether		49	390	ND	U
86-73-7---Fluorene		52	390	ND	U
100-01-6--4-Nitroaniline		35	780	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		41	780	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		84	390	ND	U
101-55-3--4-Bromophenyl-phenylether		64	390	ND	U
118-74-1--Hexachlorobenzene		60	390	ND	U
87-86-5---Pentachlorophenol		34	780	ND	U
85-01-8---Phenanthrene		51	390	ND	U
120-12-7--Anthracene		52	390	ND	U
86-74-8---Carbazole		50	390	ND	U
84-74-2---Di-n-butylphthalate		57	390	ND	U
206-44-0--Fluoranthene		49	390	ND	U
129-00-0--Pyrene		50	390	ND	U
85-68-7---Butylbenzylphthalate		53	390	ND	U
91-94-1---3,3'-Dichlorobenzidine		28	390	ND	U
117-81-7--bis(2-ethylhexyl) Phthalate		69	390	ND	U
56-55-3---Benzo(a)anthracene		47	390	ND	U
218-01-9--Chrysene		53	390	ND	U
117-84-0--Di-n-octylphthalate		68	390	ND	U
205-99-2--Benzo(b)fluoranthene		41	390	ND	U
207-08-9--Benzo(k)fluoranthene		69	390	ND	U
50-32-8---Benzo(a)pyrene		40	390	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		30	390	ND	U
53-70-3---Dibenzo(a,h)anthracene		39	390	ND	U
191-24-2--Benzo(g,h,i)perylene		30	390	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112906JRR015

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163115

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 1163115A64

Level: (low/med) LOW

Date Received: 11/30/06

% Moisture: 15 decanted: (Y/N) N

Date Extracted: 12/05/06

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN AMIDE	20.21	250	J
2.				
3.				
4.				
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FORM I SV-TIC

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR015

Lab Project Number:  
Method: 8270C  
Date Collected: 11/29/06

Lab Sample ID: 1163115  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163115A64  
Analyst: 2650

% Moisture: 15           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	390	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: STVLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121963  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121963A64  
Analyst: 917

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	330	900	
108-95-2	Phenol	78	330	1900	
111-44-4	Bis(2-chloroethyl) ether	37	330	1700	
95-57-8	2-Chlorophenol	42	330	1900	
95-48-7	2-Methylphenol	44	330	2300	
108-60-1	2,2'-oxybis(1-Chloropropane)	35	330	1800	
98-86-2	Acetophenone	150	330	1700	
106-44-5	4-Methylphenol	100	660	2200	
621-64-7	N-Nitroso-di-N-propylamine	77	330	1900	
67-72-1	Hexachloroethane	23	330	1500	
98-95-3	Nitrobenzene	48	330	1600	
78-59-1	Isophorone	44	330	1800	
88-75-5	2-Nitrophenol	34	330	1800	
105-67-9	2,4-Dimethylphenol	150	330	2700	
111-91-1	Bis(2-chloroethoxy)methane	49	330	2300	
120-83-2	2,4-Dichlorophenol	32	330	2000	
91-20-3	Naphthalene	37	330	1800	
106-47-8	4-Chloroaniline	74	330	2800	
87-68-3	Hexachlorobutadiene	34	330	1800	
105-60-2	Caprolactam	88	330	2000	
59-50-7	4-Chloro-3-methylphenol	62	330	1900	
91-57-6	2-Methylnaphthalene	36	330	1900	
77-47-4	Hexachlorocyclopentadiene	84	330	330	
88-06-2	2,4,6-Trichlorophenol	42	330	2300	
95-95-4	2,4,5-Trichlorophenol	60	330	2300	
92-52-4	1,1'-Biphenyl	55	330	1900	
91-58-7	2-Chloronaphthalene	50	330	3300	
88-74-4	2-Nitroaniline	53	660	1900	
131-11-3	Dimethylphthalate	51	330	2000	
606-20-2	2,6-Dinitrotoluene	63	330	2100	
208-96-8	Acenaphthylene	53	330	1900	
99-09-2	3-Nitroaniline	37	660	2200	
83-32-9	Acenaphthene	47	330	2100	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: STVLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121963  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121963A64  
Analyst: 917

% Moisture: 0      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5	2,4-Dinitrophenol	610	660	1800	
100-02-7	4-Nitrophenol	61	660	2200	
121-14-2	2,4-Dinitrotoluene	58	330	2200	
132-64-9	Dibenzofuran	50	330	2100	
84-66-2	Diethylphthalate	53	330	2200	
7005-72-3	4-Chlorophenyl-phenylether	49	330	2100	
86-73-7	Fluorene	52	330	2200	
100-01-6	4-Nitroaniline	35	660	2300	
534-52-1	4,6-Dinitro-2-methylphenol	41	660	1900	
86-30-6	N-Nitrosodiphenylamine (1)	84	330	2900	
101-55-3	4-Bromophenyl-phenylether	64	330	2000	
118-74-1	Hexachlorobenzene	60	330	2200	
87-86-5	Pentachlorophenol	34	660	2700	
85-01-8	Phenanthrene	51	330	2100	
120-12-7	Anthracene	52	330	2200	
86-74-8	Carbazole	50	330	2300	
84-74-2	Di-n-butylphthalate	57	330	2100	
206-44-0	Fluoranthene	49	330	2400	
129-00-0	Pyrene	50	330	2000	
85-68-7	Butylbenzylphthalate	53	330	2200	
91-94-1	3,3'-Dichlorobenzidine	28	330	1900	
117-81-7	bis(2-ethylhexyl) Phthalate	69	330	2200	B
56-55-3	Benzo(a)anthracene	47	330	2200	
218-01-9	Chrysene	53	330	2200	
117-84-0	Di-n-octylphthalate	68	330	2300	
205-99-2	Benzo(b)fluoranthene	41	330	2100	
207-08-9	Benzo(k)fluoranthene	69	330	2000	
50-32-8	Benzo(a)pyrene	40	330	2100	
193-39-5	Indeno(1,2,3-cd)pyrene	30	330	1800	
53-70-3	Dibenzo(a,h)anthracene	39	330	1800	
191-24-2	Benzo(g,h,i)perylene	30	330	1700	

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: STVLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121963  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121963A64  
Analyst: 917

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	330	940	

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: STVLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121964  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121964A64  
Analyst: 917

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	330	870	
108-95-2	Phenol	78	330	2200	
111-44-4	Bis(2-chloroethyl) ether	37	330	2100	
95-57-8	2-Chlorophenol	42	330	2300	
95-48-7	2-Methylphenol	44	330	2600	
108-60-1	2,2'-oxybis(1-Chloropropane)	35	330	2100	
98-86-2	Acetophenone	150	330	2100	
106-44-5	4-Methylphenol	100	660	2600	
621-64-7	N-Nitroso-di-N-propylamine	77	330	2100	
67-72-1	Hexachloroethane	23	330	1800	
98-95-3	Nitrobenzene	48	330	2000	
78-59-1	Isophorone	44	330	2200	
88-75-5	2-Nitrophenol	34	330	2300	
105-67-9	2,4-Dimethylphenol	150	330	3200	
111-91-1	Bis(2-chloroethoxy)methane	49	330	2300	
120-83-2	2,4-Dichlorophenol	32	330	2300	
91-20-3	Naphthalene	37	330	2200	
106-47-8	4-Chloroaniline	74	330	2800	
87-68-3	Hexachlorobutadiene	34	330	2300	
105-60-2	Caprolactam	88	330	2300	
59-50-7	4-Chloro-3-methylphenol	62	330	2200	
91-57-6	2-Methylnaphthalene	36	330	2200	
77-47-4	Hexachlorocyclopentadiene	84	330	450	
88-06-2	2,4,6-Trichlorophenol	42	330	2700	
95-95-4	2,4,5-Trichlorophenol	60	330	2700	
92-52-4	1,1'-Biphenyl	55	330	2200	
91-58-7	2-Chloronaphthalene	50	330	3900	
88-74-4	2-Nitroaniline	53	660	2200	
131-11-3	Dimethylphthalate	51	330	2200	
606-20-2	2,6-Dinitrotoluene	63	330	2400	
208-96-8	Acenaphthylene	53	330	2200	
99-09-2	3-Nitroaniline	37	660	2300	
83-32-9	Acenaphthene	47	330	2400	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: STVLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121964  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121964A64  
Analyst: 917

% Moisture: 0      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	660	2600	
100-02-7--	4-Nitrophenol	61	660	2500	
121-14-2--	2,4-Dinitrotoluene	58	330	2500	
132-64-9--	Dibenzofuran	50	330	2400	
84-66-2---	Diethylphthalate	53	330	2400	
7005-72-3-4-	Chlorophenyl-phenylether	49	330	2400	
86-73-7---	Fluorene	52	330	2500	
100-01-6--	4-Nitroaniline	35	660	2600	
534-52-1--	4,6-Dinitro-2-methylphenol	41	660	2500	
86-30-6---	N-Nitrosodiphenylamine (1)	84	330	3200	
101-55-3--	4-Bromophenyl-phenylether	64	330	2200	
118-74-1--	Hexachlorobenzene	60	330	2600	
87-86-5---	Pentachlorophenol	34	660	3300	
85-01-8---	Phenanthrene	51	330	2400	
120-12-7--	Anthracene	52	330	2600	
86-74-8---	Carbazole	50	330	2700	
84-74-2---	Di-n-butylphthalate	57	330	2500	
206-44-0--	Fluoranthene	49	330	2800	
129-00-0--	Pyrene	50	330	2300	
85-68-7---	Butylbenzylphthalate	53	330	2500	
91-94-1---	3,3'-Dichlorobenzidine	28	330	2100	
117-81-7--	bis(2-ethylhexyl) Phthalate	69	330	2600	B
56-55-3---	Benzo(a)anthracene	47	330	2500	
218-01-9--	Chrysene	53	330	2600	
117-84-0--	Di-n-octylphthalate	68	330	2600	
205-99-2--	Benzo(b)fluoranthene	41	330	2700	
207-08-9--	Benzo(k)fluoranthene	69	330	2100	
50-32-8---	Benzo(a)pyrene	40	330	2400	
193-39-5--	Indeno(1,2,3-cd)pyrene	30	330	2100	
53-70-3---	Dibenzo(a,h)anthracene	39	330	2100	
191-24-2--	Benzo(g,h,i)perylene	30	330	2000	

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: STVLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121964  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121964A64  
Analyst: 917

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	330	1100	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SUTLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122478  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122478A64  
Analyst: 2650

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	330	680	
108-95-2	Phenol	78	330	2700	
111-44-4	Bis(2-chloroethyl) ether	37	330	2700	
95-57-8	2-Chlorophenol	42	330	2800	
95-48-7	2-Methylphenol	44	330	3200	
108-60-1	2,2'-oxybis(1-Chloropropane)	35	330	2700	
98-86-2	Acetophenone	150	330	2500	
106-44-5	4-Methylphenol	100	660	3100	
621-64-7	N-Nitroso-di-N-propylamine	77	330	3000	
67-72-1	Hexachloroethane	23	330	2600	
98-95-3	Nitrobenzene	48	330	2400	
78-59-1	Isophorone	44	330	2600	
88-75-5	2-Nitrophenol	34	330	2700	
105-67-9	2,4-Dimethylphenol	150	330	3800	
111-91-1	Bis(2-chloroethoxy)methane	49	330	2700	
120-83-2	2,4-Dichlorophenol	32	330	2700	
91-20-3	Naphthalene	37	330	2700	
106-47-8	4-Chloroaniline	74	330	1900	
87-68-3	Hexachlorobutadiene	34	330	2900	
105-60-2	Caprolactam	88	330	2700	
59-50-7	4-Chloro-3-methylphenol	62	330	2600	
91-57-6	2-Methylnaphthalene	36	330	2700	
77-47-4	Hexachlorocyclopentadiene	84	330	490	
88-06-2	2,4,6-Trichlorophenol	42	330	3000	
95-95-4	2,4,5-Trichlorophenol	60	330	3100	
92-52-4	1,1'-Biphenyl	55	330	2700	
91-58-7	2-Chloronaphthalene	50	330	4600	
88-74-4	2-Nitroaniline	53	660	2600	
131-11-3	Dimethylphthalate	51	330	2600	
606-20-2	2,6-Dinitrotoluene	63	330	2800	
208-96-8	Acenaphthylene	53	330	2500	
99-09-2	3-Nitroaniline	37	660	1900	
83-32-9	Acenaphthene	47	330	2900	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SUTLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122478  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122478A64  
Analyst: 2650

% Moisture: 0      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5	2,4-Dinitrophenol	610	660	3600	
100-02-7	4-Nitrophenol	61	660	3000	
121-14-2	2,4-Dinitrotoluene	58	330	3000	
132-64-9	Dibenzofuran	50	330	2800	
84-66-2	Diethylphthalate	53	330	2900	
7005-72-3	4-Chlorophenyl-phenylether	49	330	2900	
86-73-7	Fluorene	52	330	2900	
100-01-6	4-Nitroaniline	35	660	3000	
534-52-1	4,6-Dinitro-2-methylphenol	41	660	3000	
86-30-6	N-Nitrosodiphenylamine (1)	84	330	3800	
101-55-3	4-Bromophenyl-phenylether	64	330	2600	
118-74-1	Hexachlorobenzene	60	330	2900	
87-86-5	Pentachlorophenol	34	660	3900	
85-01-8	Phenanthrene	51	330	2800	
120-12-7	Anthracene	52	330	3000	
86-74-8	Carbazole	50	330	3000	
84-74-2	Di-n-butylphthalate	57	330	2700	
206-44-0	Fluoranthene	49	330	3100	
129-00-0	Pyrene	50	330	2600	
85-68-7	Butylbenzylphthalate	53	330	2800	
91-94-1	3,3'-Dichlorobenzidine	28	330	1800	
117-81-7	bis(2-ethylhexyl) Phthalate	69	330	2800	
56-55-3	Benzo (a) anthracene	47	330	2800	
218-01-9	Chrysene	53	330	2900	
117-84-0	Di-n-octylphthalate	68	330	2600	
205-99-2	Benzo (b) fluoranthene	41	330	2700	
207-08-9	Benzo (k) fluoranthene	69	330	2500	
50-32-8	Benzo (a) pyrene	40	330	2700	
193-39-5	Indeno (1,2,3-cd) pyrene	30	330	2700	
53-70-3	Dibenzo (a, h) anthracene	39	330	2600	
191-24-2	Benzo (g, h, i) perylene	30	330	2500	

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SUTLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122478  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122478A64  
Analyst: 2650

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	330	1100	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SUTLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122479  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 122479JA64  
Analyst: 2401

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	330	1200	
108-95-2	Phenol	78	330	2700	
111-44-4	Bis (2-chloroethyl) ether	37	330	2600	
95-57-8	2-Chlorophenol	42	330	2700	
95-48-7	2-Methylphenol	44	330	3000	
108-60-1	2,2'-oxybis (1-Chloropropane)	35	330	2700	
98-86-2	Acetophenone	150	330	2500	
106-44-5	4-Methylphenol	100	660	3000	
621-64-7	N-Nitroso-di-N-propylamine	77	330	2700	
67-72-1	Hexachloroethane	23	330	2400	
98-95-3	Nitrobenzene	48	330	2300	
78-59-1	Isophorone	44	330	2600	
88-75-5	2-Nitrophenol	34	330	2700	
105-67-9	2,4-Dimethylphenol	150	330	3800	
111-91-1	Bis (2-chloroethoxy) methane	49	330	2800	
120-83-2	2,4-Dichlorophenol	32	330	2700	
91-20-3	Naphthalene	37	330	2700	
106-47-8	4-Chloroaniline	74	330	3600	
87-68-3	Hexachlorobutadiene	34	330	2800	
105-60-2	Caprolactam	88	330	2700	
59-50-7	4-Chloro-3-methylphenol	62	330	2500	
91-57-6	2-Methylnaphthalene	36	330	2700	
77-47-4	Hexachlorocyclopentadiene	84	330	460	
88-06-2	2,4,6-Trichlorophenol	42	330	3000	
95-95-4	2,4,5-Trichlorophenol	60	330	3100	
92-52-4	1,1'-Biphenyl	55	330	2600	
91-58-7	2-Chloronaphthalene	50	330	4500	
88-74-4	2-Nitroaniline	53	660	2600	
131-11-3	Dimethylphthalate	51	330	2700	
606-20-2	2,6-Dinitrotoluene	63	330	2800	
208-96-8	Acenaphthylene	53	330	2500	
99-09-2	3-Nitroaniline	37	660	2900	
83-32-9	Acenaphthene	47	330	2700	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SUTLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122479  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122479JA64  
Analyst: 2401

% Moisture: 0      decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	660	4000	
100-02-7---	4-Nitrophenol	61	660	3100	
121-14-2---	2,4-Dinitrotoluene	58	330	3000	
132-64-9---	Dibenzofuran	50	330	2800	
84-66-2---	Diethylphthalate	53	330	2800	
7005-72-3-4-	Chlorophenyl-phenylether	49	330	2800	
86-73-7---	Fluorene	52	330	2900	
100-01-6---	4-Nitroaniline	35	660	3100	
534-52-1---	4,6-Dinitro-2-methylphenol	41	660	3100	
86-30-6---	N-Nitrosodiphenylamine (1)	84	330	3800	
101-55-3---	4-Bromophenyl-phenylether	64	330	2600	
118-74-1--	Hexachlorobenzene	60	330	2900	
87-86-5---	Pentachlorophenol	34	660	3900	
85-01-8---	Phenanthrene	51	330	2800	
120-12-7--	Anthracene	52	330	2900	
86-74-8---	Carbazole	50	330	3000	
84-74-2---	Di-n-butylphthalate	57	330	2800	
206-44-0--	Fluoranthene	49	330	3100	
129-00-0--	Pyrene	50	330	2600	
85-68-7---	Butylbenzylphthalate	53	330	2900	
91-94-1---	3,3'-Dichlorobenzidine	28	330	2400	
117-81-7--	bis(2-ethylhexyl) Phthalate	69	330	2900	
56-55-3---	Benzo(a)anthracene	47	330	2900	
218-01-9--	Chrysene	53	330	2900	
117-84-0--	Di-n-octylphthalate	68	330	3000	
205-99-2--	Benzo(b)fluoranthene	41	330	3000	
207-08-9--	Benzo(k)fluoranthene	69	330	2600	
50-32-8---	Benzo(a)pyrene	40	330	2800	
193-39-5--	Indeno(1,2,3-cd)pyrene	30	330	2500	
53-70-3---	Dibenzo(a,h)anthracene	39	330	2400	
191-24-2--	Benzo(g,h,i)perylene	30	330	2400	

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SUTLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122479  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122479JA64  
Analyst: 2401

% Moisture: 0           decanted: (Y/N) N  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	330	1100	

ND = Not Detected  
Q = Qualifier

FORM 2  
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Level: (low/med) LOW

	CLIENT SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 #	S8 #	TOT OUT
01	SBLKTV	68	75	60	74	82	97			0
02	STVLCS	67	72	58	74	93	73			0
03	STVLCSD	79	82	72	87	102	84			0
04	S112706JRR00	65	72	56	69	87	76			0
05	S112706JRR00	81	89	72	91	114	108			0
06	S112706JRR00	69	77	59	74	102	91			0
07	S112706JRR00	80	86	69	90	109	96			0
08	S112706JRR00	72	80	66	82	105	94			0
09	S112806JRR00	74	81	68	87	104	92			0
10	S112806JRR00	67	74	58	72	98	90			0
11	S112806JRR00	79	84	69	88	101	87			0
12	S112806JRR01	67	72	62	75	94	82			0
13	S112806JRR01	81	89	75	92	117	111			0
14	S112806JRR01	50	57	43	52	74	86			0
15	S112706JRR00	77	87	68	87	116	90			0
16	SBLKUT	92	101	85	104	122	108			0
17	SUTLCS	98	102	87	101	123	93			0
18	S112906JRR01	48	53	44	54	60	51			0
19	S112906JRR01	71	76	64	77	92	78			0
20	S112906JRR01	58	63	54	66	80	68			0
21	SUTLCSD	96	100	87	100	122	96			0
22										
23										
24										
25										
26										
27										
28										

QC LIMITS

- S1 (2FP) = 2-Fluorophenol (35-110)
- S2 (PHL) = Phenol-d5 (38-110)
- S3 (NBZ) = Nitrobenzene-d5 (35-110)
- S4 (FBP) = 2-Fluorobiphenyl (37-110)
- S5 (TBP) = 2,4,6-Tribromophenol (22-139)
- S6 (TPH) = Terphenyl-d14 (43-114)

# Column to be used to flag recovery values  
 \* Values outside of contract required QC limits  
 D Surrogate diluted out

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzaldehyde	2667		899	34	10-100
Phenol	2667		1870	70	23-134
Bis(2-chloroethyl) ether	2667		1738	65	19-113
2-Chlorophenol	2667		1916	72	20-133
2-Methylphenol	2667		2260	85	21-125
2,2'-oxybis(1-Chloropro	2667		1806	68	18-114
Acetophenone	2667		1749	66	15-110
4-Methylphenol	5333		2203	41	10-100
N-Nitroso-di-N-prop. (1)	2667		1889	71	12-140
Hexachloroethane	2667		1476	55	10-131
Nitrobenzene	2667		1592	60	18-127
Isophorone	2667		1771	66	21-117
2-Nitrophenol	2667		1817	68	20-128
2,4-Dimethylphenol	2667		2704	101	10-133
Bis(2-chloroethoxy) meth	2667		2296	86	22-141
2,4-Dichlorophenol	2667		1963	74	20-137
Naphthalene	2667		1808	68	14-113
4-Chloroaniline	2667		2839	106	10-107
Hexachlorobutadiene	2667		1828	69	11-137
Caprolactam	2667		2008	75	13-111
4-Chloro-3-methylphenol	2667		1925	72	19-137
2-Methylnaphthalene	2667		1884	71	16-146
Hexachlorocyclopentadie	2667		334.9	13	10-150
2,4,6-Trichlorophenol	2667		2274	85	21-148
2,4,5-Trichlorophenol	2667		2327	87	20-147
1,1'-Biphenyl	2667		1920	72	20-115
2-Chloronaphthalene	2667		3322	125	15-138
2-Nitroaniline	2667		1932	72	20-132

(1) N-Nitroso-di-n-propylamine

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS
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Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dimethylphthalate	2667		2010	75	20-129
2,6-Dinitrotoluene	2667		2116	79	18-131
Acenaphthylene	2667		1855	70	18-121
3-Nitroaniline	2667		2198	82	11-105
Acenaphthene	2667		2074	78	18-112
2,4-Dinitrophenol	2667		1845	69	10-150
4-Nitrophenol	2667		2180	82	10-145
2,4-Dinitrotoluene	2667		2211	83	18-128
Dibenzofuran	2667		2063	77	24-131
Diethylphthalate	2667		2174	82	18-128
4-Chlorophenyl-phenylet	2667		2141	80	18-130
Fluorene	2667		2153	81	15-123
4-Nitroaniline	2667		2327	87	10-113
4,6-Dinitro-2-methylphe	2667		1947	73	10-150
N-Nitrosodiphenylamine	2667		2857	107	23-123
4-Bromophenyl-phenyleth	2667		1972	74	21-131
Hexachlorobenzene	2667		2190	82	15-148
Pentachlorophenol	2667		2674	100	10-150
Phenanthrene	2667		2088	78	18-123
Anthracene	2667		2244	84	19-120
Carbazole	2667		2288	86	24-140
Di-n-butylphthalate	2667		2113	79	20-131
Fluoranthene	2667		2385	89	16-127
Pyrene	2667		2007	75	12-123
Butylbenzylphthalate	2667		2172	81	20-119
3,3'-Dichlorobenzidine	2667		1900	71	10-129
bis(2-ethylhexyl)Phthal	2667		2243	84	18-125
Benzo(a)anthracene	2667		2191	82	17-117

(1) N-Nitroso-di-n-propylamine

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

\* Values outside of QC limits

COMMENTS:

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3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS
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Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Chrysene	2667		2197	82	19-121
Di-n-octylphthalate	2667		2255	85	13-135
Benzo(b) fluoranthene	2667		2101	79	10-126
Benzo(k) fluoranthene	2667		2044	77	12-129
Benzo(a) pyrene	2667		2089	78	15-120
Indeno(1,2,3-cd) pyrene	2667		1771	66	15-127
Dibenzo(a,h) anthracene	2667		1810	68	10-130
Benzo(g,h,i) perylene	2667		1673	63	13-125

(1) N-Nitroso-di-n-propylamine

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

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Benzaldehyde	2667	868.5	33	3	50	10-100
Phenol	2667	2229	84	18	47	23-134
Bis(2-chloroethyl) ether	2667	2093	78	18	50	19-113
2-Chlorophenol	2667	2320	87	19	43	20-133
2-Methylphenol	2667	2638	99	15	45	21-125
2,2'-oxybis(1-Chloropro	2667	2134	80	16	46	18-114
Acetophenone	2667	2073	78	17	43	15-110
4-Methylphenol	5333	2625	49	18	40	10-100
N-Nitroso-di-N-prop. (1)	2667	2147	81	13	45	12-140
Hexachloroethane	2667	1783	67	20	50	10-131
Nitrobenzene	2667	1994	75	22	43	18-127
Isophorone	2667	2177	82	22	42	21-117
2-Nitrophenol	2667	2265	85	22	48	20-128
2,4-Dimethylphenol	2667	3217	121	18	43	10-133
Bis(2-chloroethoxy)meth	2667	2307	87	1	43	22-141
2,4-Dichlorophenol	2667	2326	87	16	45	20-137
Naphthalene	2667	2212	83	20	37	14-113
4-Chloroaniline	2667	2806	105	1	50	10-107
Hexachlorobutadiene	2667	2272	85	21	46	11-137
Caprolactam	2667	2316	87	15	50	13-111
4-Chloro-3-methylphenol	2667	2234	84	15	45	19-137
2-Methylnaphthalene	2667	2238	84	17	32	16-146
Hexachlorocyclopentadie	2667	449.1	17	27	50	10-150
2,4,6-Trichlorophenol	2667	2681	101	17	44	21-148
2,4,5-Trichlorophenol	2667	2704	101	15	43	20-147
1,1'-Biphenyl	2667	2237	84	15	43	20-115
2-Chloronaphthalene	2667	3922	147*	16	41	15-138
2-Nitroaniline	2667	2179	82	13	40	20-132

(1) N-Nitroso-di-n-propylamine

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dimethylphthalate	2667	2190	82	9	45	20-129
2,6-Dinitrotoluene	2667	2380	89	12	42	18-131
Acenaphthylene	2667	2153	81	15	40	18-121
3-Nitroaniline	2667	2304	86	5	43	11-105
Acenaphthene	2667	2421	91	15	41	18-112
2,4-Dinitrophenol	2667	2575	97	34	50	10-150
4-Nitrophenol	2667	2519	94	14	42	10-145
2,4-Dinitrotoluene	2667	2537	95	13	43	18-128
Dibenzofuran	2667	2399	90	16	35	24-131
Diethylphthalate	2667	2415	91	10	41	18-128
4-Chlorophenyl-phenylet	2667	2432	91	13	42	18-130
Fluorene	2667	2474	93	14	32	15-123
4-Nitroaniline	2667	2621	98	12	45	10-113
4,6-Dinitro-2-methylphe	2667	2453	92	23	50	10-150
N-Nitrosodiphenylamine	2667	3243	122	13	37	23-123
4-Bromophenyl-phenyleth	2667	2236	84	13	45	21-131
Hexachlorobenzene	2667	2589	97	17	44	15-148
Pentachlorophenol	2667	3280	123	21	50	10-150
Phenanthrene	2667	2449	92	16	50	18-123
Anthracene	2667	2623	98	15	39	19-120
Carbazole	2667	2680	100	15	43	24-140
Di-n-butylphthalate	2667	2474	93	16	50	20-131
Fluoranthene	2667	2777	104	16	50	16-127
Pyrene	2667	2317	87	15	50	12-123
Butylbenzylphthalate	2667	2538	95	16	43	20-119
3,3'-Dichlorobenzidine	2667	2088	78	9	50	10-129
bis(2-ethylhexyl) Phthal	2667	2610	98	15	50	18-125
Benzo(a)anthracene	2667	2541	95	15	45	17-117

- (1) N-Nitroso-di-n-propylamine
- # Column to be used to flag recovery and RPD values with an asterisk
- \* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Chrysene	2667	2553	96	16	42	19-121
Di-n-octylphthalate	2667	2600	97	13	44	13-135
Benzo (b) fluoranthene	2667	2729	102	25	50	10-126
Benzo (k) fluoranthene	2667	2101	79	3	49	12-129
Benzo (a) pyrene	2667	2417	91	15	46	15-120
Indeno (1, 2, 3-cd) pyrene	2667	2110	79	18	48	15-127
Dibenzo (a, h) anthracene	2667	2097	79	15	46	10-130
Benzo (g, h, i) perylene	2667	1999	75	17	41	13-125

(1) N-Nitroso-di-n-propylamine

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

RPD: 0 out of 64 outside limits  
Spike Recovery: 1 out of 128 outside limits

COMMENTS:

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3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

STVLCS
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: STVLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Atrazine	2667		936.9	35	10-150

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Atrazine	2667	1078	40	13	50	10-150

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

RPD: 0 out of 1 outside limits  
Spike Recovery: 0 out of 2 outside limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SUTLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: SUTLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Benzaldehyde	2667		678.9	25	10-100
Phenol	2667		2745	103	23-134
Bis(2-chloroethyl) ether	2667		2709	102	19-113
2-Chlorophenol	2667		2845	107	20-133
2-Methylphenol	2667		3186	119	21-125
2,2'-oxybis(1-Chloropro	2667		2733	102	18-114
Acetophenone	2667		2539	95	15-110
4-Methylphenol	5333		3104	58	10-100
N-Nitroso-di-N-prop. (1)	2667		2959	111	12-140
Hexachloroethane	2667		2552	96	10-131
Nitrobenzene	2667		2427	91	18-127
Isophorone	2667		2559	96	21-117
2-Nitrophenol	2667		2682	101	20-128
2,4-Dimethylphenol	2667		3849	144*	10-133
Bis(2-chloroethoxy)meth	2667		2671	100	22-141
2,4-Dichlorophenol	2667		2706	101	20-137
Naphthalene	2667		2724	102	14-113
4-Chloroaniline	2667		1869	70	10-107
Hexachlorobutadiene	2667		2893	108	11-137
Caprolactam	2667		2739	103	13-111
4-Chloro-3-methylphenol	2667		2611	98	19-137
2-Methylnaphthalene	2667		2688	101	16-146
Hexachlorocyclopentadie	2667		487.2	18	10-150
2,4,6-Trichlorophenol	2667		3031	114	21-148
2,4,5-Trichlorophenol	2667		3106	116	20-147
1,1'-Biphenyl	2667		2675	100	20-115
2-Chloronaphthalene	2667		4611	173*	15-138
2-Nitroaniline	2667		2619	98	20-132

(1) N-Nitroso-di-n-propylamine

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_



3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SUTLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: SUTLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Chrysene	2667		2851	107	19-121
Di-n-octylphthalate	2667		2597	97	13-135
Benzo (b) fluoranthene	2667		2705	101	10-126
Benzo (k) fluoranthene	2667		2483	93	12-129
Benzo (a) pyrene	2667		2688	101	15-120
Indeno (1, 2, 3-cd) pyrene	2667		2683	101	15-127
Dibenzo (a, h) anthracene	2667		2600	97	10-130
Benzo (g, h, i) perylene	2667		2537	95	13-125

(1) N-Nitroso-di-n-propylamine

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

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SUTLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: SUTLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCS D CONCENTRATION (ug/Kg)	LCS D % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Benzaldehyde	2667	1189	45	57*	50	10-100
Phenol	2667	2666	100	3	47	23-134
Bis(2-chloroethyl) ether	2667	2606	98	4	50	19-113
2-Chlorophenol	2667	2727	102	5	43	20-133
2-Methylphenol	2667	3050	114	4	45	21-125
2,2'-oxybis(1-Chloropro	2667	2746	103	1	46	18-114
Acetophenone	2667	2522	95	0	43	15-110
4-Methylphenol	5333	3018	57	2	40	10-100
N-Nitroso-di-N-prop. (1)	2667	2745	103	7	45	12-140
Hexachloroethane	2667	2441	92	4	50	10-131
Nitrobenzene	2667	2345	88	3	43	18-127
Isophorone	2667	2554	96	0	42	21-117
2-Nitrophenol	2667	2675	100	1	48	20-128
2,4-Dimethylphenol	2667	3786	142*	1	43	10-133
Bis(2-chloroethoxy)meth	2667	2849	107	7	43	22-141
2,4-Dichlorophenol	2667	2657	100	1	45	20-137
Naphthalene	2667	2656	100	2	37	14-113
4-Chloroaniline	2667	3649	137*	65*	50	10-107
Hexachlorobutadiene	2667	2811	105	3	46	11-137
Caprolactam	2667	2744	103	0	50	13-111
4-Chloro-3-methylphenol	2667	2534	95	3	45	19-137
2-Methylnaphthalene	2667	2698	101	0	32	16-146
Hexachlorocyclopentadie	2667	458.4	17	6	50	10-150
2,4,6-Trichlorophenol	2667	3025	113	1	44	21-148
2,4,5-Trichlorophenol	2667	3101	116	0	43	20-147
1,1'-Biphenyl	2667	2608	98	2	43	20-115
2-Chloronaphthalene	2667	4541	170*	2	41	15-138
2-Nitroaniline	2667	2575	97	1	40	20-132

(1) N-Nitroso-di-n-propylamine

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SUTLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: SUTLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dimethylphthalate	2667	2668	100	1	45	20-129
2,6-Dinitrotoluene	2667	2794	105	1	42	18-131
Acenaphthylene	2667	2539	95	0	40	18-121
3-Nitroaniline	2667	2891	108*	41	43	11-105
Acenaphthene	2667	2745	103	4	41	18-112
2,4-Dinitrophenol	2667	3960	148	8	50	10-150
4-Nitrophenol	2667	3066	115	3	42	10-145
2,4-Dinitrotoluene	2667	3005	113	2	43	18-128
Dibenzofuran	2667	2781	104	2	35	24-131
Diethylphthalate	2667	2822	106	1	41	18-128
4-Chlorophenyl-phenylet	2667	2763	104	4	42	18-130
Fluorene	2667	2884	108	2	32	15-123
4-Nitroaniline	2667	3115	117*	5	45	10-113
4,6-Dinitro-2-methylphe	2667	3085	116	4	50	10-150
N-Nitrosodiphenylamine	2667	3767	141*	0	37	23-123
4-Bromophenyl-phenyleth	2667	2592	97	2	45	21-131
Hexachlorobenzene	2667	2872	108	2	44	15-148
Pentachlorophenol	2667	3918	147	1	50	10-150
Phenanthrene	2667	2780	104	0	50	18-123
Anthracene	2667	2947	110	2	39	19-120
Carbazole	2667	3038	114	1	43	24-140
Di-n-butylphthalate	2667	2756	103	1	50	20-131
Fluoranthene	2667	3149	118	0	50	16-127
Pyrene	2667	2631	99	2	50	12-123
Butylbenzylphthalate	2667	2878	108	4	43	20-119
3,3'-Dichlorobenzidine	2667	2437	91	28	50	10-129
bis(2-ethylhexyl) Phthal	2667	2941	110	4	50	18-125
Benzo(a)anthracene	2667	2881	108	2	45	17-117

(1) N-Nitroso-di-n-propylamine  
 # Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SUTLCS
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: SUTLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Chrysene	2667	2898	109	2	42	19-121
Di-n-octylphthalate	2667	3003	113	15	44	13-135
Benzo (b) fluoranthene	2667	3008	113	11	50	10-126
Benzo (k) fluoranthene	2667	2613	98	5	49	12-129
Benzo (a) pyrene	2667	2798	105	4	46	15-120
Indeno (1, 2, 3-cd) pyrene	2667	2454	92	9	48	15-127
Dibenzo (a, h) anthracene	2667	2407	90	7	46	10-130
Benzo (g, h, i) perylene	2667	2399	90	5	41	13-125

(1) N-Nitroso-di-n-propylamine

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

RPD: 2 out of 64 outside limits  
Spike Recovery: 9 out of 128 outside limits

COMMENTS: \_\_\_\_\_

3D  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

SUTLCS
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: SUTLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Atrazine	2667		1118	42	10-150

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Atrazine	2667	1086	41	2	50	10-150

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

RPD: 0 out of 1 outside limits  
Spike Recovery: 0 out of 2 outside limits

COMMENTS: \_\_\_\_\_





1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SBLKTV

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121962  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 121962A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	330	ND	U
108-95-2	Phenol	78	330	ND	U
111-44-4	Bis (2-chloroethyl) ether	37	330	ND	U
95-57-8	2-Chlorophenol	42	330	ND	U
95-48-7	2-Methylphenol	44	330	ND	U
108-60-1	2,2'-oxybis (1-Chloropropane)	35	330	ND	U
98-86-2	Acetophenone	150	330	ND	U
106-44-5	4-Methylphenol	100	660	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	330	ND	U
67-72-1	Hexachloroethane	23	330	ND	U
98-95-3	Nitrobenzene	48	330	ND	U
78-59-1	Isophorone	44	330	ND	U
88-75-5	2-Nitrophenol	34	330	ND	U
105-67-9	2,4-Dimethylphenol	150	330	ND	U
111-91-1	Bis (2-chloroethoxy) methane	49	330	ND	U
120-83-2	2,4-Dichlorophenol	32	330	ND	U
91-20-3	Naphthalene	37	330	ND	U
106-47-8	4-Chloroaniline	74	330	ND	U
87-68-3	Hexachlorobutadiene	34	330	ND	U
105-60-2	Caprolactam	88	330	ND	U
59-50-7	4-Chloro-3-methylphenol	62	330	ND	U
91-57-6	Methylnaphthalene	36	330	ND	U
77-47-4	Hexachlorocyclopentadiene	84	330	ND	U
88-06-2	2,4,6-Trichlorophenol	42	330	ND	U
95-95-4	2,4,5-Trichlorophenol	60	330	ND	U
92-52-4	1,1'-Biphenyl	55	330	ND	U
91-58-7	2-Chloronaphthalene	50	330	ND	U
88-74-4	2-Nitroaniline	53	660	ND	U
131-11-3	Dimethylphthalate	51	330	ND	U
606-20-2	2,6-Dinitrotoluene	63	330	ND	U
208-96-8	Acenaphthylene	53	330	ND	U
99-09-2	3-Nitroaniline	37	660	ND	U
83-32-9	Acenaphthene	47	330	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SBLKTV

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121962  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121962A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5---	2,4-Dinitrophenol	610	660	ND	U
100-02-7---	4-Nitrophenol	61	660	ND	U
121-14-2---	2,4-Dinitrotoluene	58	330	ND	U
132-64-9---	Dibenzofuran	50	330	ND	U
84-66-2---	Diethylphthalate	53	330	ND	U
7005-72-3-4-	Chlorophenyl-phenylether	49	330	ND	U
86-73-7---	Fluorene	52	330	ND	U
100-01-6---	Nitroaniline	35	660	ND	U
534-52-1---	4,6-Dinitro-2-methylphenol	41	660	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	84	330	ND	U
101-55-3---	4-Bromophenyl-phenylether	64	330	ND	U
118-74-1---	Hexachlorobenzene	60	330	ND	U
87-86-5---	Pentachlorophenol	34	660	ND	U
85-01-8---	Phenanthrene	51	330	ND	U
120-12-7---	Anthracene	52	330	ND	U
86-74-8---	Carbazole	50	330	ND	U
84-74-2---	Di-n-butylphthalate	57	330	ND	U
206-44-0---	Fluoranthene	49	330	ND	U
129-00-0---	Pyrene	50	330	ND	U
85-68-7---	Butylbenzylphthalate	53	330	ND	U
91-94-1---	3,3'-Dichlorobenzidine	28	330	ND	U
117-81-7---	bis(2-ethylhexyl) Phthalate	69	330	91	J
56-55-3---	Benzo(a)anthracene	47	330	ND	U
218-01-9---	Chrysene	53	330	ND	U
117-84-0---	Di-n-octylphthalate	68	330	ND	U
205-99-2---	Benzo(b)fluoranthene	41	330	ND	U
207-08-9---	Benzo(k)fluoranthene	69	330	ND	U
50-32-8---	Benzo(a)pyrene	40	330	ND	U
193-39-5---	Indeno(1,2,3-cd)pyrene	30	330	ND	U
53-70-3---	Dibenzo(a,h)anthracene	39	330	ND	U
191-24-2---	Benzo(g,h,i)perylene	30	330	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLKTV

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 121962

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 121962A64

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 11/30/06

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/02/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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FORM I SV-TIC





1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SBLKTV

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121962  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121962A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 121962

Date Extracted: 11/30/06  
Date Analyzed: 12/02/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	330	ND	U

ND = Not Detected  
Q = Qualifier

FORM 4  
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKUT

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Lab File ID: 122477A64

Lab Sample ID: 122477

Instrument ID: 5972HP64

Date Extracted: 12/05/06

Matrix: (soil/water) SOIL

Date Analyzed: 12/06/06

Level: (low/med) LOW

Time Analyzed: 1620

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	SUTLCS	122478	122478A64	12/06/06
02	S112906JRR01	1163113	1163113A64	12/06/06
03	S112906JRR01	1163114	1163114A64	12/06/06
04	S112906JRR01	1163115	1163115A64	12/06/06
05	SUTLCSD	122479	122479JA64	12/06/06
06				
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COMMENTS:

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1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SBLKUT

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122477  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122477A64  
Analyst: 2650

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
100-52-7	Benzaldehyde	76	330	ND	U
108-95-2	Phenol	78	330	ND	U
111-44-4	Bis(2-chloroethyl) ether	37	330	ND	U
95-57-8	2-Chlorophenol	42	330	ND	U
95-48-7	2-Methylphenol	44	330	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	35	330	ND	U
98-86-2	Acetophenone	150	330	ND	U
106-44-5	4-Methylphenol	100	660	ND	U
621-64-7	N-Nitroso-di-N-propylamine	77	330	ND	U
67-72-1	Hexachloroethane	23	330	ND	U
98-95-3	Nitrobenzene	48	330	ND	U
78-59-1	Isophorone	44	330	ND	U
88-75-5	2-Nitrophenol	34	330	ND	U
105-67-9	2,4-Dimethylphenol	150	330	ND	U
111-91-1	Bis(2-chloroethoxy)methane	49	330	ND	U
120-83-2	2,4-Dichlorophenol	32	330	ND	U
91-20-3	Naphthalene	37	330	ND	U
106-47-8	4-Chloroaniline	74	330	ND	U
87-68-3	Hexachlorobutadiene	34	330	ND	U
105-60-2	Caprolactam	88	330	ND	U
59-50-7	4-Chloro-3-methylphenol	62	330	ND	U
91-57-6	2-Methylnaphthalene	36	330	ND	U
77-47-4	Hexachlorocyclopentadiene	84	330	ND	U
88-06-2	2,4,6-Trichlorophenol	42	330	ND	U
95-95-4	2,4,5-Trichlorophenol	60	330	ND	U
92-52-4	1,1'-Biphenyl	55	330	ND	U
91-58-7	2-Chloronaphthalene	50	330	ND	U
88-74-4	2-Nitroaniline	53	660	ND	U
131-11-3	Dimethylphthalate	51	330	ND	U
606-20-2	2,6-Dinitrotoluene	63	330	ND	U
208-96-8	Acenaphthylene	53	330	ND	U
99-09-2	3-Nitroaniline	37	660	ND	U
83-32-9	Acenaphthene	47	330	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SBLKUT

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122477  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122477A64  
Analyst: 2650

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000(uL)  
Injection Volume: 1.0(uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
51-28-5	---2,4-Dinitrophenol	610	660	ND	U
100-02-7	---4-Nitrophenol	61	660	ND	U
121-14-2	---2,4-Dinitrotoluene	58	330	ND	U
132-64-9	---Dibenzofuran	50	330	ND	U
84-66-2	---Diethylphthalate	53	330	ND	U
7005-72-3	---4-Chlorophenyl-phenylether	49	330	ND	U
86-73-7	---Fluorene	52	330	ND	U
100-01-6	---4-Nitroaniline	35	660	ND	U
534-52-1	---4,6-Dinitro-2-methylphenol	41	660	ND	U
86-30-6	---N-Nitrosodiphenylamine (1)	84	330	ND	U
101-55-3	---4-Bromophenyl-phenylether	64	330	ND	U
118-74-1	---Hexachlorobenzene	60	330	ND	U
87-86-5	---Pentachlorophenol	34	660	ND	U
85-01-8	---Phenanthrene	51	330	ND	U
120-12-7	---Anthracene	52	330	ND	U
86-74-8	---Carbazole	50	330	ND	U
84-74-2	---Di-n-butylphthalate	57	330	ND	U
206-44-0	---Fluoranthene	49	330	ND	U
129-00-0	---Pyrene	50	330	ND	U
85-68-7	---Butylbenzylphthalate	53	330	ND	U
91-94-1	---3,3'-Dichlorobenzidine	28	330	ND	U
117-81-7	---bis(2-ethylhexyl) Phthalate	69	330	ND	U
56-55-3	---Benzo(a)anthracene	47	330	ND	U
218-01-9	---Chrysene	53	330	ND	U
117-84-0	---Di-n-octylphthalate	68	330	ND	U
205-99-2	---Benzo(b)fluoranthene	41	330	ND	U
207-08-9	---Benzo(k)fluoranthene	69	330	ND	U
50-32-8	---Benzo(a)pyrene	40	330	ND	U
193-39-5	---Indeno(1,2,3-cd)pyrene	30	330	ND	U
53-70-3	---Dibenzo(a,h)anthracene	39	330	ND	U
191-24-2	---Benzo(g,h,i)perylene	30	330	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLKUT

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 122477

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 122477A64

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 12/05/06

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.78	140	J
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FORM 4  
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKUT
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Lab File ID: 122477A64

Lab Sample ID: 122477

Instrument ID: 5972HP64

Date Extracted: 12/05/06

Matrix: (soil/water) SOIL

Date Analyzed: 12/06/06

Level: (low/med) LOW

Time Analyzed: 1620

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	LAB SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	SUTLCS	122478	122478A64	12/06/06
02	S112906JRR01	1163113	1163113A64	12/06/06
03	S112906JRR01	1163114	1163114A64	12/06/06
04	S112906JRR01	1163115	1163115A64	12/06/06
05	SUTLCSD	122479	122479JA64	12/06/06
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COMMENTS:

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1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: SBLKUT

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122477  
Sample wt/vol: 30.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122477A64  
Analyst: 2650

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122477

Date Extracted: 12/05/06  
Date Analyzed: 12/06/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
1912-24-9-	Atrazine	40	330	ND	U

ND = Not Detected  
Q = Qualifier



**CompuChem**

a division of Liberty Analytical Corp.

HC+CD+EDD

11-Dec-06

DARLA STEWART  
CRA  
2055 NIAGARA FALL BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596 2020 RIVER RD Workorder: 11631

Attn.: DARLA STEWART

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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**CompuChem**

a division of Liberty Analytical Corp.

HCT+CD+EDI

11-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596 2020 RIVER RD Workorder: 11631

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER  
OF PAGES \_\_\_\_\_

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**CompuChem, a division of Liberty Analytical**

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Hsn	Client ID	Wordorder	Matrix	Account	Project	Report
1163101	S112706JRR001	11631	S	CRA	045596	
1163102	S112706JRR002	11631	S	CRA	045596	
1163103	S112706JRR003	11631	S	CRA	045596	
1163104	S112706JRR004	11631	S	CRA	045596	
1163105	S112706JRR005	11631	S	CRA	045596	
1163106	S112706JRR006	11631	S	CRA	045596	
1163107	S112806JRR007	11631	S	CRA	045596	
1163108	S112806JRR008	11631	S	CRA	045596	
1163109	S112806JRR009	11631	S	CRA	045596	
1163110	S112806JRR010	11631	S	CRA	045596	
1163111	S112806JRR011	11631	S	CRA	045596	
1163112	S112806JRR012	11631	S	CRA	045596	
1163113	S112906JRR013	11631	S	CRA	045596	
1163114	S112906JRR014	11631	S	CRA	045596	
1163115	S112906JRR015	11631	S	CRA	045596	



# CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

## SDG NARRATIVE

SDG # 11631

PROTOCOL: SW-846

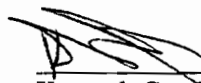
**SAMPLE IDENTIFICATIONS: S112706JRR001, S112706JRR002, S112706JRR003, S112706JRR004, S112706JRR005, S112706JRR006, S112806JRR007, S112806JRR008, S112806JRR009, S112806JRR010, S112806JRR011, S112806JRR012, S112906JRR013, S112906JRR014 and S112906JRR015.**

The 15 soil samples listed above were received intact, properly refrigerated between 4.2°C – 5.8°C, with proper documentation, in sealed shipping containers, on November 28, 29 and 30, 2006. Samples were scheduled for the requested analyses of the volatile fraction. SW-846, 3rd Edition, Update 3, 8260B was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section, and all pertinent Laboratory notices for SDG 11631 are included in the sample data sections.

Analysis holding time requirements were met for all of the samples, and sample dry weight values ranged from 16 and 31 percent. There were volatile Project/Target Compound List (TCL) analytes identified above the Contract Required Quantitation Limit (CRQL) in some of the samples. No Tentatively Identified Compounds (TICs) were found in any of these samples. The system monitoring compounds met recovery criteria in the analyses of the samples. All of the internal standards met response and retention time criteria in the analyses of the samples.

All Bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG. The associated method blanks met all quality control criteria. The associated Laboratory Control Samples (LCS) met overall accuracy criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

  
\_\_\_\_\_  
Kenneth Grzybowski  
Analyst II  
December 7, 2006

## GC and GC/MS Column and Trap Specifications Table

SDG#: 11631

## COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
<b>GC Laboratory</b>					
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32		30
<b>GC Volatiles Laboratory</b>					
	Restek	RTX-Volatiles	0.53	2.0	30
<b>GC/MS Volatiles Laboratory</b>					
X	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
	Phenomex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
<b>GC/MS Semivolatiles Laboratory</b>					
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
<b>HPLC Laboratory</b>					
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

## TRAPS

<b>GC and GC/MS Volatiles Laboratory</b>					
	Tekmar 3		* 8 cm of 2,6-diphenylene oxide polymer (Tenax)		
			* 8 cm of silica gel		
			* 7 cm of coconut charcoal		
			* 0.5 cm of silanized glass wool at each end		
	Tekmar 5		* 1 cm of methyl silicone packing (OV-1 coating)		
			* 8 cm of 2,6-diphenylene oxide polymer (Tenax)		
			* 8 cm of silica gel		
			* 7 cm of coconut charcoal		
			* 0.5 cm of silanized glass wool at each end		
X	Supelco K (Vocarb3000)		* 10 cm of Carboxen B (Graphitized Carbons)		
			* 6 cm of Carboxen 1000 (Carbon molecular sieves)		
			* 1 cm of Carboxen 1001 (Carbon molecular sieves)		

# **CompuChem**

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## **CompuChem's Pagination Convention**

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

## Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

- M** - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- H** - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- MH** - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- L** - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- ML** - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

- M1** - The compound was not found by the automatic integration routine.
- M2** - The compound was incorrectly integrated by the automatic integration routine.
- M3** - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

## DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

- U: This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.
- J: This flag indicates an estimated value. The flag is used as detailed below:
1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1.0 is assumed for the TIC analyte,
  2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero, and
  3. When the retention time data indicate the presence of a compound that meets the pesticide/Aroclor or other GC or HPLC identification criteria, and the result is less than the CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.
- N: This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search. For generic characterization of a TIC such as 'chlorinated hydrocarbon', the N flag is not used.
- P: In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a P. For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

## DATA REPORTING QUALIFIERS (continued)

- C:** This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)
- B:** This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.
- E:** This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range will have the concentration flagged with an E on Form I for the original analysis.
- D:** If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.
- NOTE 1:** The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.
- NOTE 2:** Separate Form Is are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.
- A:** This flag indicates that a TIC is a suspected aldol-condensation product.
- S:** In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.
- X/Y/Z:** Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y and Z.

Revision 9 (12-6-2005)

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):  
**Comp. Chem**

REFERENCE NUMBER:  
**45596**

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: **J.R. Kelly**

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/27/06	920	S-45596-112706-STR-601	S	3	VOC, PCB, SVOC, PGB, SGL, MMS, TOX	1163101
02		935	S-45596-112706-STR-002		3		1163102
03		1050	S-45596-112706-STR-003		3		1163103
04		1100	S-45596-112706-STR-004		3		1163104
05		1300	S-45596-112706-STR-005		3		1163105
06		1310	S-45596-112706-STR-006		3		1163106
TOTAL NUMBER OF CONTAINERS					24	HEALTH/CHEMICAL HAZARDS	
RELINQUISHED BY: <i>[Signature]</i>		DATE: 11/27/06	TIME: 1400	RECEIVED BY: ①	DATE: _____	TIME: _____	DATE: _____
RELINQUISHED BY: _____		DATE: _____	TIME: _____	RECEIVED BY: ②	DATE: _____	TIME: _____	DATE: _____
RELINQUISHED BY: _____		DATE: _____	TIME: _____	RECEIVED BY: ③	DATE: _____	TIME: _____	DATE: _____
METHOD OF SHIPMENT: <b>Fed Ex</b>				WAY BILL NO. _____			
White - Fully Executed Copy Yellow - Receiving Laboratory Copy Pink - Shipper Copy Goldenrod - Sampler Copy				SAMPLE TEAM: <b>RABX</b>		RECEIVED FOR LABORATORY BY: <i>[Signature]</i>	
				DATE: 11-28-06		TIME: 9:15	
				No N		4600	

*rec'd @ 4.20c*

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Compu Chem*

REFERENCE NUMBER:

*45596*

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *John Rely*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS			REMARKS
						VOC	PCB	Metals	
01	11/29/06	9:20	S-45596-112806-STR-037	Soil	3	X	X	X	1163107
02		9:35	S-45596-112806-STR-008		3	X	X	X	1163108
03		11:30	S-45596-112806-STR-009		3	X	X	X	1163109
04		11:40	S-45596-112806-STR-010		3	X	X	X	1163110
05		14:00	S-45596-112806-STR-011		3	X	X	X	1163111
06		14:10	S-45596-112806-STR-012		3	X	X	X	1163112
<p><i>per Data Times for -011 &amp; -012 are 14:00 &amp; 14:10 (resp.)</i></p>									
<p><i>11/29/06</i></p>									
<p><i>[Signature]</i></p>									
<p><i>[Signature]</i></p>									
<p><i>[Signature]</i></p>									

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *[Signature]* DATE: *11/29/06* TIME: *11:29/06*

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

METHOD OF SHIPMENT: *FLY EX*

WAY BILL No. \_\_\_\_\_

RECEIVED FOR LABORATORY BY: *[Signature]* DATE: *11-29-06* TIME: *10:00*

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

- White - Fully Executed Copy
- Yellow - Receiving Laboratory Copy
- Pink - Shipper Copy
- Goldenrod - Sampler Copy

SAMPLE TEAM: *Rely*

No N 4485

*rec'd @ 5:50*



# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Compu Chem*

REFERENCE NUMBER:

45596

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *John Raby*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS				REMARKS	
						VOC	SIXC	PCB	OTHER		
01	11/24/06	9:00	S-45596-112906-3R2-013	Soil	3	✓	✓	✓	✓	1163113	
01	11/24/06	9:15	S-45596-112906-3R2-014	↓	3	✓	✓	✓	✓	1163114	
02	11/20/06	11:00	S-45596-112906-3R2-015	↓	3	✓	✓	✓	✓	1163115	
TOTAL NUMBER OF CONTAINERS						9					
RELINQUISHED BY:						HEALTH/CHEMICAL HAZARDS					
① <i>[Signature]</i>						RECEIVED BY: ① _____					
DATE: 11/29/06						DATE: _____					
TIME: 1:00						TIME: _____					
RELINQUISHED BY: ② _____						RECEIVED BY: ② _____					
DATE: _____						DATE: _____					
TIME: _____						TIME: _____					
RELINQUISHED BY: ③ _____						RECEIVED BY: ③ _____					
DATE: _____						DATE: _____					
TIME: _____						TIME: _____					
METHOD OF SHIPMENT: <i>Fed Ex</i>						WAY BILL No. _____					
White			-Fully Executed Copy			SAMPLE TEAM: <i>Raby</i>			RECEIVED FOR LABORATORY BY: <i>[Signature]</i>		
Yellow			-Receiving Laboratory Copy						DATE: 11/30/06		
Pink			-Shipper Copy						TIME: 9:15		
Goldenrod			-Sampler Copy						No <b>N</b> 4486		

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11631	045596 2020 River Road Phase I	1163101	S112706-JRR001	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-001
11631	045596 2020 River Road Phase I	1163102	S112706-JRR002	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-002
11631	045596 2020 River Road Phase I	1163103	S112706-JRR003	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-003
11631	045596 2020 River Road Phase I	1163104	S112706-JRR004	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-004
11631	045596 2020 River Road Phase I	1163105	S112706-JRR005	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-005
11631	045596 2020 River Road Phase I	1163106	S112706-JRR006	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-006
11631	045596 2020 River Road Phase I	1163107	S112806-JRR007	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-007
11631	045596 2020 River Road Phase I	1163108	S112806-JRR008	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-008
11631	045596 2020 River Road Phase I	1163109	S112806-JRR009	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-009
11631	045596 2020 River Road Phase I	1163110	S112806-JRR010	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-010
11631	045596 2020 River Road Phase I	1163111	S112806-JRR011	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-011
11631	045596 2020 River Road Phase I	1163112	S112806-JRR012	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-012
11631	045596 2020 River Road Phase I	1163113	S112906-JRR013	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-013
11631	045596 2020 River Road Phase I	1163114	S112906-JRR014	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-014
11631	045596 2020 River Road Phase I	1163115	S112806-JRR015	11/29/06	11/30/06	12/11/06	S-45596-112806-JRR-015



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1163101	S112706JRR001	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163102	S112706JRR002	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163103	S112706JRR003	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163104	S112706JRR004	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			



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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163105	S112706JRR005	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163106	S112706JRR006	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163107	S112806JRR007	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163108	S112806JRR008	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			



# CompuChem

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## WORKORDER SUMMARY REPORT

Workorder: 11631

Account: CRA

Project: 045596

SDG-Case: 045596 2020

Status:

QC Type: REPORT LCS/LCSD

Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163109	S112806JRR009	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163110	S112806JRR010	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163111	S112806JRR011	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163112	S112806JRR012	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163113	S112906JRR013	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163114	S112906JRR014	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163115	S112906JRR015	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			

**CompuChem, a Division of Liberty Analytical**

**INTERNAL CHAIN OF CUSTODY**

Laboratory: Volatiles

Matrix: S

Request Date: 11/29/2006

Batch 19710

Comments: \_\_\_\_\_

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	116310	11/28/2006	VS8260LX	4OZ_JAR	COOL 4C	1163101-1
2	116310	11/28/2006	VS8260LX	4OZ_JAR	COOL 4C	1163102-1
3	116310	11/28/2006	VS8260LX	4OZ_JAR	COOL 4C	1163103-1
4	116310	11/28/2006	VS8260LX	4OZ_JAR	COOL 4C	1163104-1
5	116310	11/28/2006	VS8260LX	4OZ_JAR	COOL 4C	1163105-1
6	116310	11/28/2006	VS8260LX	4OZ_JAR	COOL 4C	1163106-1
7	116310	11/29/2006	VS8260LX	4OZ_JAR	COOL 4C	1163107-1
8	116310	11/29/2006	VS8260LX	4OZ_JAR	COOL 4C	1163108-1
9	116310	11/29/2006	VS8260LX	4OZ_JAR	COOL 4C	1163109-1
10	116311	11/29/2006	VS8260LX	4OZ_JAR	COOL 4C	1163110-1
11	116311	11/29/2006	VS8260LX	4OZ_JAR	COOL 4C	1163111-1
12	116311	11/29/2006	VS8260LX	4OZ_JAR	COOL 4C	1163112-1

Relinquished By:	Received By:	Date/Time	Reason
#5 <i>[Signature]</i>	<i>[Signature]</i>	11/29 7800	<i>[Signature]</i>
<i>[Signature]</i>	#5	11/29 1900	<i>[Signature]</i>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Wednesday, November 29, 2006

**CompuChem, a Division of Liberty Analytical**

**INTERNAL CHAIN OF CUSTODY**

Laboratory: Volatiles

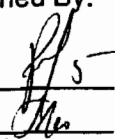
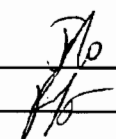
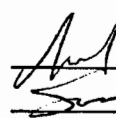
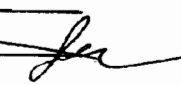
Matrix: S

Request Date: 11/30/2006

Batch 19746

Comments: \_\_\_\_\_

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	116311	11/30/2006	VS8260LX	4OZ_JAR	COOL 4C	1163113-1
2	116311	11/30/2006	VS8260LX	4OZ_JAR	COOL 4C	1163114-1
3	116311	11/30/2006	VS8260LX	4OZ_JAR	COOL 4C	1163115-1

Relinquished By:	Received By:	Date/Time	Reason
		_____	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	

Thursday, November 30, 2006



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR001

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163101  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163101B59  
Analyst: 2481

% Moisture: not dec. 21  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.3	ND	U
74-87-3	Chloromethane	0.37	6.3	ND	U
75-01-4	Vinyl Chloride	0.80	6.3	ND	U
74-83-9	Bromomethane	0.72	6.3	ND	U
75-00-3	Chloroethane	0.65	6.3	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.3	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.3	ND	U
75-15-0	Carbon disulfide	0.46	6.3	ND	U
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	6.3	ND	U
67-64-1	Acetone	3.7	16	13	J
75-09-2	Methylene Chloride	0.91	6.3	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	6.3	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.3	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.3	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.3	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.3	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.3	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.3	ND	U
71-43-2	Benzene	0.51	6.3	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.3	ND	U
79-01-6	Trichloroethene	0.24	6.3	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.3	ND	U
75-27-4	Bromodichloromethane	0.77	6.3	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.3	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.3	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	6.3	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.3	ND	U
127-18-4	Tetrachloroethene	0.65	6.3	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.3	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.3	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR001

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163101  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163101B59  
Analyst: 2481

% Moisture: not dec. 21  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.3	ND	U
100-41-4	Ethylbenzene	0.78	6.3	ND	U
100-42-5	Styrene	0.86	6.3	ND	U
75-25-2	Bromoform	0.42	6.3	ND	U
98-82-8	Isopropyl Benzene	1.2	6.3	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.3	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.3	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.3	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.3	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.3	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.3	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.3	ND	U
110-82-7	Cyclohexane	1.3	6.3	ND	U
108-87-2	Methylcyclohexane	1.7	6.3	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112706JRR001

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163101

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163101B59

Level: (low/med) LOW

Date Received: 11/28/06

% Moisture: not dec. 21

Date Analyzed: 11/30/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR002

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163102  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163102B59  
Analyst: 2481

% Moisture: not dec. 23  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.5	ND	U
74-87-3	Chloromethane	0.37	6.5	ND	U
75-01-4	Vinyl Chloride	0.80	6.5	ND	U
74-83-9	Bromomethane	0.72	6.5	ND	U
75-00-3	Chloroethane	0.65	6.5	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.5	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.5	ND	U
75-15-0	Carbon disulfide	0.46	6.5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	6.5	ND	U
67-64-1	Acetone	3.7	16	ND	U
75-09-2	Methylene Chloride	0.91	6.5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	6.5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.5	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.5	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.5	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.5	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.5	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.5	ND	U
71-43-2	Benzene	0.51	6.5	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.5	ND	U
79-01-6	Trichloroethene	0.24	6.5	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.5	ND	U
75-27-4	Bromodichloromethane	0.77	6.5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.5	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.5	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	6.5	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.5	ND	U
127-18-4	Tetrachloroethene	0.65	6.5	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.5	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR002

Lab Sample ID: 1163102  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Date Received: 11/28/06  
Lab File ID: 1163102B59  
Analyst: 2481

% Moisture: not dec. 23  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.5	ND	U
100-41-4	Ethylbenzene	0.78	6.5	ND	U
100-42-5	Styrene	0.86	6.5	ND	U
75-25-2	Bromoform	0.42	6.5	ND	U
98-82-8	Isopropyl Benzene	1.2	6.5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.5	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.5	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.5	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.5	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.5	ND	U
110-82-7	Cyclohexane	1.3	6.5	ND	U
108-87-2	Methylcyclohexane	1.7	6.5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112706JRR002

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163102

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163102B59

Level: (low/med) LOW

Date Received: 11/28/06

% Moisture: not dec. 23

Date Analyzed: 11/30/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR003

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163103  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163103B59  
Analyst: 2481

% Moisture: not dec. 31  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	7.2	ND	U
74-87-3	Chloromethane	0.37	7.2	ND	U
75-01-4	Vinyl Chloride	0.80	7.2	ND	U
74-83-9	Bromomethane	0.72	7.2	ND	U
75-00-3	Chloroethane	0.65	7.2	ND	U
75-69-4	Trichlorofluoromethane	0.58	7.2	ND	U
75-35-4	1,1-Dichloroethene	0.83	7.2	ND	U
75-15-0	Carbon disulfide	0.46	7.2	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	7.2	ND	U
67-64-1	Acetone	3.7	18	ND	U
75-09-2	Methylene Chloride	0.91	7.2	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	7.2	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	7.2	ND	U
75-34-3	1,1-Dichloroethane	0.50	7.2	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	7.2	ND	U
78-93-3	2-butanone	1.9	18	ND	U
67-66-3	Chloroform	0.53	7.2	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	7.2	ND	U
56-23-5	Carbon Tetrachloride	0.69	7.2	ND	U
71-43-2	Benzene	0.51	7.2	ND	U
107-06-2	1,2-Dichloroethane	0.38	7.2	ND	U
79-01-6	Trichloroethene	0.24	7.2	ND	U
78-87-5	1,2-Dichloropropane	0.57	7.2	ND	U
75-27-4	Bromodichloromethane	0.77	7.2	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	7.2	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	18	ND	U
108-88-3	Toluene	0.52	7.2	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	7.2	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	7.2	ND	U
127-18-4	Tetrachloroethene	0.65	7.2	ND	U
591-78-6	2-hexanone	1.7	18	ND	U
124-48-1	Dibromochloromethane	0.55	7.2	ND	U
106-93-4	1,2-Dibromoethane	0.48	7.2	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR003

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163103  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163103B59  
Analyst: 2481

% Moisture: not dec. 31  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	7.2	ND	U
100-41-4	Ethylbenzene	0.78	7.2	ND	U
100-42-5	Styrene	0.86	7.2	ND	U
75-25-2	Bromoform	0.42	7.2	ND	U
98-82-8	Isopropyl Benzene	1.2	7.2	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	7.2	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	7.2	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	7.2	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	7.2	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	7.2	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	7.2	ND	U
1330-20-7	Xylene (total)	1.3	22	ND	U
79-20-9	Methyl acetate	0.91	7.2	ND	U
110-82-7	Cyclohexane	1.3	7.2	ND	U
108-87-2	Methylcyclohexane	1.7	7.2	ND	U

ND = Not Detected  
Q = Qualifier



FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112706JRR003

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163103

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163103B59

Level: (low/med) LOW

Date Received: 11/28/06

% Moisture: not dec. 31

Date Analyzed: 11/30/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR004

Lab Sample ID: 1163104  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

% Moisture: not dec. 23  
GC Column: ZB-624 ID: 0.32 (mm)

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Date Received: 11/28/06  
Lab File ID: 1163104B59  
Analyst: 2481

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.5	ND	U
74-87-3	Chloromethane	0.37	6.5	ND	U
75-01-4	Vinyl Chloride	0.80	6.5	ND	U
74-83-9	Bromomethane	0.72	6.5	ND	U
75-00-3	Chloroethane	0.65	6.5	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.5	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.5	ND	U
75-15-0	Carbon disulfide	0.46	6.5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	6.5	ND	U
67-64-1	Acetone	3.7	16	24	U
75-09-2	Methylene Chloride	0.91	6.5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	6.5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.5	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.5	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.5	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.5	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.5	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.5	ND	U
71-43-2	Benzene	0.51	6.5	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.5	ND	U
79-01-6	Trichloroethene	0.24	6.5	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.5	ND	U
75-27-4	Bromodichloromethane	0.77	6.5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.5	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.5	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	6.5	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.5	ND	U
127-18-4	Tetrachloroethene	0.65	6.5	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.5	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR004

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163104  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163104B59  
Analyst: 2481

% Moisture: not dec. 23  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.5	ND	U
100-41-4	Ethylbenzene	0.78	6.5	ND	U
100-42-5	Styrene	0.86	6.5	ND	U
75-25-2	Bromoform	0.42	6.5	ND	U
98-82-8	Isopropyl Benzene	1.2	6.5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.5	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.5	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.5	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.5	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.5	ND	U
110-82-7	Cyclohexane	1.3	6.5	ND	U
108-87-2	Methylcyclohexane	1.7	6.5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112706JRR004

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163104

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163104B59

Level: (low/med) LOW

Date Received: 11/28/06

% Moisture: not dec. 23

Date Analyzed: 11/30/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR005

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163105  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163105RA59  
Analyst: 2473

% Moisture: not dec. 22  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.4	ND	U
74-87-3	Chloromethane	0.37	6.4	ND	U
75-01-4	Vinyl Chloride	0.80	6.4	ND	U
74-83-9	Bromomethane	0.72	6.4	ND	U
75-00-3	Chloroethane	0.65	6.4	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.4	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.4	ND	U
75-15-0	Carbon disulfide	0.46	6.4	ND	U
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	6.4	ND	U
67-64-1	Acetone	3.7	16	ND	U
75-09-2	Methylene Chloride	0.91	6.4	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	6.4	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.4	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.4	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.4	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.4	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.4	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.4	ND	U
71-43-2	Benzene	0.51	6.4	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.4	ND	U
79-01-6	Trichloroethene	0.24	6.4	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.4	ND	U
75-27-4	Bromodichloromethane	0.77	6.4	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.4	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.4	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	6.4	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.4	ND	U
127-18-4	Tetrachloroethene	0.65	6.4	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.4	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.4	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR005

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163105  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163105RA59  
Analyst: 2473

% Moisture: not dec. 22  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.4	ND	U
100-41-4	Ethylbenzene	0.78	6.4	ND	U
100-42-5	Styrene	0.86	6.4	ND	U
75-25-2	Bromoform	0.42	6.4	ND	U
98-82-8	Isopropyl Benzene	1.2	6.4	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.4	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.4	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.4	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.4	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.4	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.4	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.4	ND	U
110-82-7	Cyclohexane	1.3	6.4	ND	U
108-87-2	Methylcyclohexane	1.7	6.4	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112706JRR005

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163105

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163105RA59

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: not dec. 22

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR006

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163106  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163106B59  
Analyst: 2481

% Moisture: not dec. 24  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8---	Dichlorodifluoromethane	0.58	6.6	ND	U
74-87-3---	Chloromethane	0.37	6.6	ND	U
75-01-4---	Vinyl Chloride	0.80	6.6	ND	U
74-83-9---	Bromomethane	0.72	6.6	ND	U
75-00-3---	Chloroethane	0.65	6.6	ND	U
75-69-4---	Trichlorofluoromethane	0.58	6.6	ND	U
75-35-4---	1,1-Dichloroethene	0.83	6.6	ND	U
75-15-0---	Carbon disulfide	0.46	6.6	ND	U
76-13-1---	1,1,2-trichloro-1,2,2-triflu	0.69	6.6	ND	U
67-64-1---	Acetone	3.7	16	ND	U
75-09-2---	Methylene Chloride	0.91	6.6	ND	U
156-60-5---	trans-1,2-Dichloroethene	0.78	6.6	ND	U
1634-04-4---	Methyl-tert-butyl ether	0.44	6.6	ND	U
75-34-3---	1,1-Dichloroethane	0.50	6.6	ND	U
156-59-2---	cis-1,2-Dichloroethene	0.50	6.6	ND	U
78-93-3---	2-butanone	1.9	16	ND	U
67-66-3---	Chloroform	0.53	6.6	ND	U
71-55-6---	1,1,1-Trichloroethane	0.51	6.6	ND	U
56-23-5---	Carbon Tetrachloride	0.69	6.6	ND	U
71-43-2---	Benzene	0.51	6.6	ND	U
107-06-2---	1,2-Dichloroethane	0.38	6.6	ND	U
79-01-6---	Trichloroethene	0.24	6.6	ND	U
78-87-5---	1,2-Dichloropropane	0.57	6.6	ND	U
75-27-4---	Bromodichloromethane	0.77	6.6	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.6	ND	U
108-10-1---	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3---	Toluene	0.52	6.6	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	6.6	ND	U
79-00-5---	1,1,2-Trichloroethane	0.58	6.6	ND	U
127-18-4---	Tetrachloroethene	0.65	6.6	ND	U
591-78-6---	2-hexanone	1.7	16	ND	U
124-48-1---	Dibromochloromethane	0.55	6.6	ND	U
106-93-4---	1,2-Dibromoethane	0.48	6.6	ND	U

ND = Not Detected  
Q = Qualifier



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112706JRR006

Lab Project Number:  
Method: 8260B  
Date Collected: 11/27/06

Lab Sample ID: 1163106  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/28/06  
Lab File ID: 1163106B59  
Analyst: 2481

% Moisture: not dec. 24  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.6	ND	U
100-41-4	Ethylbenzene	0.78	6.6	ND	U
100-42-5	Styrene	0.86	6.6	ND	U
75-25-2	Bromoform	0.42	6.6	ND	U
98-82-8	Isopropyl Benzene	1.2	6.6	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.6	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.6	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.6	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.6	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.6	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.6	ND	U
1330-20-7	Xylene (total)	1.3	20	ND	U
79-20-9	Methyl acetate	0.91	6.6	ND	U
110-82-7	Cyclohexane	1.3	6.6	ND	U
108-87-2	Methylcyclohexane	1.7	6.6	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112706JRR006

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163106

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163106B59

Level: (low/med) LOW

Date Received: 11/28/06

% Moisture: not dec. 24

Date Analyzed: 11/30/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR007

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163107  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163107RA59  
Analyst: 2473

% Moisture: not dec. 23  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.5	ND	U
74-87-3	Chloromethane	0.37	6.5	ND	U
75-01-4	Vinyl Chloride	0.80	6.5	ND	U
74-83-9	Bromomethane	0.72	6.5	ND	U
75-00-3	Chloroethane	0.65	6.5	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.5	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.5	ND	U
75-15-0	Carbon disulfide	0.46	6.5	1.5	J
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	6.5	ND	U
67-64-1	Acetone	3.7	16	22	
75-09-2	Methylene Chloride	0.91	6.5	30	B
156-60-5	trans-1,2-Dichloroethene	0.78	6.5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.5	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.5	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.5	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.5	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.5	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.5	ND	U
71-43-2	Benzene	0.51	6.5	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.5	ND	U
79-01-6	Trichloroethene	0.24	6.5	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.5	ND	U
75-27-4	Bromodichloromethane	0.77	6.5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.5	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.5	0.95	J
10061-02-6	trans-1,3-Dichloropropene	0.30	6.5	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.5	ND	U
127-18-4	Tetrachloroethene	0.65	6.5	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.5	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR007

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163107  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163107RA59  
Analyst: 2473

% Moisture: not dec. 23  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.5	ND	U
100-41-4	Ethylbenzene	0.78	6.5	ND	U
100-42-5	Styrene	0.86	6.5	ND	U
75-25-2	Bromoform	0.42	6.5	ND	U
98-82-8	Isopropyl Benzene	1.2	6.5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.5	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.5	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.5	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.5	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.5	ND	U
110-82-7	Cyclohexane	1.3	6.5	ND	U
108-87-2	Methylcyclohexane	1.7	6.5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR007

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163107

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163107RA59

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: not dec. 23

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR008

Lab Sample ID: 1163108  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

% Moisture: not dec. 24  
GC Column: ZB-624 ID: 0.32 (mm)

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Date Received: 11/29/06  
Lab File ID: 1163108RA59  
Analyst: 2473

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.6	ND	U
74-87-3	Chloromethane	0.37	6.6	ND	U
75-01-4	Vinyl Chloride	0.80	6.6	6.6	
74-83-9	Bromomethane	0.72	6.6	ND	U
75-00-3	Chloroethane	0.65	6.6	1.2	J
75-69-4	Trichlorofluoromethane	0.58	6.6	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.6	ND	U
75-15-0	Carbon disulfide	0.46	6.6	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	6.6	ND	U
67-64-1	Acetone	3.7	16	ND	U
75-09-2	Methylene Chloride	0.91	6.6	5.9	JB
156-60-5	trans-1,2-Dichloroethene	0.78	6.6	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.6	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.6	1.1	J
156-59-2	cis-1,2-Dichloroethene	0.50	6.6	1.1	J
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.6	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.6	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.6	ND	U
71-43-2	Benzene	0.51	6.6	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.6	ND	U
79-01-6	Trichloroethene	0.24	6.6	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.6	ND	U
75-27-4	Bromodichloromethane	0.77	6.6	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.6	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.6	0.74	J
10061-02-6	trans-1,3-Dichloropropene	0.30	6.6	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.6	ND	U
127-18-4	Tetrachloroethene	0.65	6.6	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.6	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.6	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR008

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163108  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163108RA59  
Analyst: 2473

% Moisture: not dec. 24  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.6	ND	U
100-41-4	Ethylbenzene	0.78	6.6	ND	U
100-42-5	Styrene	0.86	6.6	ND	U
75-25-2	Bromoform	0.42	6.6	ND	U
98-82-8	Isopropyl Benzene	1.2	6.6	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.6	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.6	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.6	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.6	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.6	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.6	ND	U
1330-20-7	Xylene (total)	1.3	20	ND	U
79-20-9	Methyl acetate	0.91	6.6	ND	U
110-82-7	Cyclohexane	1.3	6.6	ND	U
108-87-2	Methylcyclohexane	1.7	6.6	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR008

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163108

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163108RA59

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: not dec. 24

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR009

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163109  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163109RA59  
Analyst: 2473

% Moisture: not dec. 20  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.3	ND	U
74-87-3	Chloromethane	0.37	6.3	ND	U
75-01-4	Vinyl Chloride	0.80	6.3	ND	U
74-83-9	Bromomethane	0.72	6.3	ND	U
75-00-3	Chloroethane	0.65	6.3	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.3	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.3	ND	U
75-15-0	Carbon disulfide	0.46	6.3	4.8	J
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	6.3	ND	U
67-64-1	Acetone	3.7	16	67	
75-09-2	Methylene Chloride	0.91	6.3	30	B
156-60-5	trans-1,2-Dichloroethene	0.78	6.3	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.3	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.3	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.3	ND	U
78-93-3	2-butanone	1.9	16	11	J
67-66-3	Chloroform	0.53	6.3	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.3	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.3	ND	U
71-43-2	Benzene	0.51	6.3	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.3	ND	U
79-01-6	Trichloroethene	0.24	6.3	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.3	ND	U
75-27-4	Bromodichloromethane	0.77	6.3	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.3	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.3	1.1	J
10061-02-6	trans-1,3-Dichloropropene	0.30	6.3	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.3	ND	U
127-18-4	Tetrachloroethene	0.65	6.3	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.3	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.3	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR009

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163109  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163109RA59  
Analyst: 2473

% Moisture: not dec. 20  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.3	ND	U
100-41-4	Ethylbenzene	0.78	6.3	ND	U
100-42-5	Styrene	0.86	6.3	ND	U
75-25-2	Bromoform	0.42	6.3	ND	U
98-82-8	Isopropyl Benzene	1.2	6.3	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.3	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.3	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.3	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.3	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.3	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.3	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.3	ND	U
110-82-7	Cyclohexane	1.3	6.3	ND	U
108-87-2	Methylcyclohexane	1.7	6.3	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR009

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163109

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163109RA59

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: not dec. 20

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR010

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163110  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163110RA59  
Analyst: 2473

% Moisture: not dec. 20  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.3	ND	U
74-87-3	Chloromethane	0.37	6.3	ND	U
75-01-4	Vinyl Chloride	0.80	6.3	ND	U
74-83-9	Bromomethane	0.72	6.3	ND	U
75-00-3	Chloroethane	0.65	6.3	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.3	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.3	ND	U
75-15-0	Carbon disulfide	0.46	6.3	0.88	J
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	6.3	ND	U
67-64-1	Acetone	3.7	16	13	J
75-09-2	Methylene Chloride	0.91	6.3	16	B
156-60-5	trans-1,2-Dichloroethene	0.78	6.3	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.3	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.3	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.3	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.3	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.3	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.3	ND	U
71-43-2	Benzene	0.51	6.3	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.3	ND	U
79-01-6	Trichloroethene	0.24	6.3	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.3	ND	U
75-27-4	Bromodichloromethane	0.77	6.3	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.3	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.3	0.73	J
10061-02-6	trans-1,3-Dichloropropene	0.30	6.3	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.3	ND	U
127-18-4	Tetrachloroethene	0.65	6.3	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.3	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.3	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR010

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163110  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163110RA59  
Analyst: 2473

% Moisture: not dec. 20  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.3	ND	U
100-41-4	Ethylbenzene	0.78	6.3	ND	U
100-42-5	Styrene	0.86	6.3	ND	U
75-25-2	Bromoform	0.42	6.3	ND	U
98-82-8	Isopropyl Benzene	1.2	6.3	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.3	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.3	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.3	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.3	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.3	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.3	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.3	ND	U
110-82-7	Cyclohexane	1.3	6.3	ND	U
108-87-2	Methylcyclohexane	1.7	6.3	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR010

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163110

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163110RA59

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: not dec. 20

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR011

Lab Sample ID: 1163111  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Date Received: 11/29/06  
Lab File ID: 1163111RA59  
Analyst: 2473

% Moisture: not dec. 19  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.2	ND	U
74-87-3	Chloromethane	0.37	6.2	ND	U
75-01-4	Vinyl Chloride	0.80	6.2	ND	U
74-83-9	Bromomethane	0.72	6.2	ND	U
75-00-3	Chloroethane	0.65	6.2	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.2	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.2	ND	U
75-15-0	Carbon disulfide	0.46	6.2	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	6.2	ND	U
67-64-1	Acetone	3.7	15	ND	U
75-09-2	Methylene Chloride	0.91	6.2	13	B
156-60-5	trans-1,2-Dichloroethene	0.78	6.2	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.2	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.2	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.2	ND	U
78-93-3	2-butanone	1.9	15	ND	U
67-66-3	Chloroform	0.53	6.2	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.2	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.2	ND	U
71-43-2	Benzene	0.51	6.2	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.2	ND	U
79-01-6	Trichloroethene	0.24	6.2	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.2	ND	U
75-27-4	Bromodichloromethane	0.77	6.2	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.2	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	15	ND	U
108-88-3	Toluene	0.52	6.2	0.73	J
10061-02-6	trans-1,3-Dichloropropene	0.30	6.2	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.2	ND	U
127-18-4	Tetrachloroethene	0.65	6.2	ND	U
591-78-6	2-hexanone	1.7	15	ND	U
124-48-1	Dibromochloromethane	0.55	6.2	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.2	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR011

Lab Project Number:  
Method: 8260B  
Date Collected: 11/28/06

Lab Sample ID: 1163111  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/29/06  
Lab File ID: 1163111RA59  
Analyst: 2473

% Moisture: not dec. 19  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.2	ND	U
100-41-4	Ethylbenzene	0.78	6.2	ND	U
100-42-5	Styrene	0.86	6.2	ND	U
75-25-2	Bromoform	0.42	6.2	ND	U
98-82-8	Isopropyl Benzene	1.2	6.2	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.2	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.2	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.2	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.2	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.2	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.2	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.2	ND	U
110-82-7	Cyclohexane	1.3	6.2	ND	U
108-87-2	Methylcyclohexane	1.7	6.2	ND	U

ND = Not Detected  
Q = Qualifier



FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR011

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163111

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163111RA59

Level: (low/med) LOW

Date Received: 11/29/06

% Moisture: not dec. 19

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR012

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163112  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163112RA59  
Analyst: 2473

% Moisture: not dec. 22  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.4	ND	U
74-87-3	Chloromethane	0.37	6.4	ND	U
75-01-4	Vinyl Chloride	0.80	6.4	ND	U
74-83-9	Bromomethane	0.72	6.4	ND	U
75-00-3	Chloroethane	0.65	6.4	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.4	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.4	ND	U
75-15-0	Carbon disulfide	0.46	6.4	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	6.4	ND	U
67-64-1	Acetone	3.7	16	5.6	J
75-09-2	Methylene Chloride	0.91	6.4	16	B
156-60-5	trans-1,2-Dichloroethene	0.78	6.4	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.4	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.4	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.4	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.4	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.4	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.4	ND	U
71-43-2	Benzene	0.51	6.4	ND	U
107-06-2	1,2-Dichloroethane	0.38	6.4	ND	U
79-01-6	Trichloroethene	0.24	6.4	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.4	ND	U
75-27-4	Bromodichloromethane	0.77	6.4	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.4	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.4	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	6.4	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.4	ND	U
127-18-4	Tetrachloroethene	0.65	6.4	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.4	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.4	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112806JRR012

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163112  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163112RA59  
Analyst: 2473

% Moisture: not dec. 22  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.4	ND	U
100-41-4	Ethylbenzene	0.78	6.4	ND	U
100-42-5	Styrene	0.86	6.4	ND	U
75-25-2	Bromoform	0.42	6.4	ND	U
98-82-8	Isopropyl Benzene	1.2	6.4	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.4	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.4	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.4	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.4	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.4	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.4	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.4	ND	U
110-82-7	Cyclohexane	1.3	6.4	ND	U
108-87-2	Methylcyclohexane	1.7	6.4	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112806JRR012

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163112

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163112RA59

Level: (low/med) LOW

Date Received: 11/30/06

% Moisture: not dec. 22

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR013

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163113  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163113A59  
Analyst: 2473

% Moisture: not dec. 21  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	6.3	ND	U
74-87-3	Chloromethane	0.37	6.3	ND	U
75-01-4	Vinyl Chloride	0.80	6.3	ND	U
74-83-9	Bromomethane	0.72	6.3	ND	U
75-00-3	Chloroethane	0.65	6.3	ND	U
75-69-4	Trichlorofluoromethane	0.58	6.3	ND	U
75-35-4	1,1-Dichloroethene	0.83	6.3	ND	U
75-15-0	Carbon disulfide	0.46	6.3	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	6.3	ND	U
67-64-1	Acetone	3.7	16	ND	U
75-09-2	Methylene Chloride	0.91	6.3	1.4	JB
156-60-5	trans-1,2-Dichloroethene	0.78	6.3	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	6.3	ND	U
75-34-3	1,1-Dichloroethane	0.50	6.3	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	6.3	ND	U
78-93-3	2-butanone	1.9	16	ND	U
67-66-3	Chloroform	0.53	6.3	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	6.3	ND	U
56-23-5	Carbon Tetrachloride	0.69	6.3	ND	U
71-43-2	Benzene	0.51	6.3	0.69	J
107-06-2	1,2-Dichloroethane	0.38	6.3	ND	U
79-01-6	Trichloroethene	0.24	6.3	ND	U
78-87-5	1,2-Dichloropropane	0.57	6.3	ND	U
75-27-4	Bromodichloromethane	0.77	6.3	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	6.3	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3	Toluene	0.52	6.3	0.86	J
10061-02-6	trans-1,3-Dichloropropene	0.30	6.3	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	6.3	ND	U
127-18-4	Tetrachloroethene	0.65	6.3	ND	U
591-78-6	2-hexanone	1.7	16	ND	U
124-48-1	Dibromochloromethane	0.55	6.3	ND	U
106-93-4	1,2-Dibromoethane	0.48	6.3	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR013  
  
Lab Sample ID: 1163113  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06  
  
Date Received: 11/30/06  
Lab File ID: 1163113A59  
Analyst: 2473

% Moisture: not dec. 21  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.3	ND	U
100-41-4	Ethylbenzene	0.78	6.3	ND	U
100-42-5	Styrene	0.86	6.3	ND	U
75-25-2	Bromoform	0.42	6.3	ND	U
98-82-8	Isopropyl Benzene	1.2	6.3	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.3	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.3	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.3	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.3	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.3	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.3	ND	U
1330-20-7	Xylene (total)	1.3	19	ND	U
79-20-9	Methyl acetate	0.91	6.3	ND	U
110-82-7	Cyclohexane	1.3	6.3	ND	U
108-87-2	Methylcyclohexane	1.7	6.3	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112906JRR013

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163113

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163113A59

Level: (low/med) LOW

Date Received: 11/30/06

% Moisture: not dec. 21

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR014

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163114  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163114A59  
Analyst: 2473

% Moisture: not dec. 24  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8---	Dichlorodifluoromethane	0.58	6.6	ND	U
74-87-3---	Chloromethane	0.37	6.6	ND	U
75-01-4---	Vinyl Chloride	0.80	6.6	ND	U
74-83-9---	Bromomethane	0.72	6.6	ND	U
75-00-3---	Chloroethane	0.65	6.6	ND	U
75-69-4---	Trichlorofluoromethane	0.58	6.6	ND	U
75-35-4---	1,1-Dichloroethene	0.83	6.6	ND	U
75-15-0---	Carbon disulfide	0.46	6.6	ND	U
76-13-1---	1,1,2-trichloro-1,2,2-triflu	0.69	6.6	ND	U
67-64-1---	Acetone	3.7	16	ND	U
75-09-2---	Methylene Chloride	0.91	6.6	ND	U
156-60-5---	trans-1,2-Dichloroethene	0.78	6.6	ND	U
1634-04-4---	Methyl-tert-butyl ether	0.44	6.6	ND	U
75-34-3---	1,1-Dichloroethane	0.50	6.6	ND	U
156-59-2---	cis-1,2-Dichloroethene	0.50	6.6	ND	U
78-93-3---	2-butanone	1.9	16	ND	U
67-66-3---	Chloroform	0.53	6.6	ND	U
71-55-6---	1,1,1-Trichloroethane	0.51	6.6	ND	U
56-23-5---	Carbon Tetrachloride	0.69	6.6	ND	U
71-43-2---	Benzene	0.51	6.6	ND	U
107-06-2---	1,2-Dichloroethane	0.38	6.6	ND	U
79-01-6---	Trichloroethene	0.24	6.6	ND	U
78-87-5---	1,2-Dichloropropane	0.57	6.6	ND	U
75-27-4---	Bromodichloromethane	0.77	6.6	ND	U
10061-01-5---	cis-1,3-Dichloropropene	0.23	6.6	ND	U
108-10-1---	4-Methyl-2-pentanone	1.2	16	ND	U
108-88-3---	Toluene	0.52	6.6	ND	U
10061-02-6---	trans-1,3-Dichloropropene	0.30	6.6	ND	U
79-00-5---	1,1,2-Trichloroethane	0.58	6.6	ND	U
127-18-4---	Tetrachloroethene	0.65	6.6	ND	U
591-78-6---	2-hexanone	1.7	16	ND	U
124-48-1---	Dibromochloromethane	0.55	6.6	ND	U
106-93-4---	1,2-Dibromoethane	0.48	6.6	ND	U

ND = Not Detected  
Q = Qualifier



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR014

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163114  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163114A59  
Analyst: 2473

% Moisture: not dec. 24  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	6.6	ND	U
100-41-4	Ethylbenzene	0.78	6.6	ND	U
100-42-5	Styrene	0.86	6.6	ND	U
75-25-2	Bromoform	0.42	6.6	ND	U
98-82-8	Isopropyl Benzene	1.2	6.6	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	6.6	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	6.6	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	6.6	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	6.6	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	6.6	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	6.6	ND	U
1330-20-7	Xylene (total)	1.3	20	ND	U
79-20-9	Methyl acetate	0.91	6.6	ND	U
110-82-7	Cyclohexane	1.3	6.6	ND	U
108-87-2	Methylcyclohexane	1.7	6.6	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112906JRR014

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163114

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163114A59

Level: (low/med) LOW

Date Received: 11/30/06

% Moisture: not dec. 24

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR015

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163115  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163115RA59  
Analyst: 2473

% Moisture: not dec. 15  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/05/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121994

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5.9	ND	U
74-87-3	Chloromethane	0.37	5.9	ND	U
75-01-4	Vinyl Chloride	0.80	5.9	ND	U
74-83-9	Bromomethane	0.72	5.9	ND	U
75-00-3	Chloroethane	0.65	5.9	ND	U
75-69-4	Trichlorofluoromethane	0.58	5.9	ND	U
75-35-4	1,1-Dichloroethene	0.83	5.9	ND	U
75-15-0	Carbon disulfide	0.46	5.9	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5.9	ND	U
67-64-1	Acetone	3.7	15	ND	U
75-09-2	Methylene Chloride	0.91	5.9	3.6	J
156-60-5	trans-1,2-Dichloroethene	0.78	5.9	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	5.9	ND	U
75-34-3	1,1-Dichloroethane	0.50	5.9	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	5.9	ND	U
78-93-3	2-butanone	1.9	15	ND	U
67-66-3	Chloroform	0.53	5.9	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	5.9	ND	U
56-23-5	Carbon Tetrachloride	0.69	5.9	ND	U
71-43-2	Benzene	0.51	5.9	ND	U
107-06-2	1,2-Dichloroethane	0.38	5.9	ND	U
79-01-6	Trichloroethene	0.24	5.9	ND	U
78-87-5	1,2-Dichloropropane	0.57	5.9	ND	U
75-27-4	Bromodichloromethane	0.77	5.9	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	5.9	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	15	ND	U
108-88-3	Toluene	0.52	5.9	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	5.9	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	5.9	ND	U
127-18-4	Tetrachloroethene	0.65	5.9	ND	U
591-78-6	2-hexanone	1.7	15	ND	U
124-48-1	Dibromochloromethane	0.55	5.9	ND	U
106-93-4	1,2-Dibromoethane	0.48	5.9	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: S112906JRR015

Lab Project Number:  
Method: 8260B  
Date Collected: 11/29/06

Lab Sample ID: 1163115  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received: 11/30/06  
Lab File ID: 1163115RA59  
Analyst: 2473

% Moisture: not dec. 15  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/05/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121994

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5.9	ND	U
100-41-4	Ethylbenzene	0.78	5.9	ND	U
100-42-5	Styrene	0.86	5.9	ND	U
75-25-2	Bromoform	0.42	5.9	ND	U
98-82-8	Isopropyl Benzene	1.2	5.9	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5.9	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	5.9	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	5.9	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	5.9	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5.9	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5.9	ND	U
1330-20-7	Xylene (total)	1.3	18	ND	U
79-20-9	Methyl acetate	0.91	5.9	ND	U
110-82-7	Cyclohexane	1.3	5.9	ND	U
108-87-2	Methylcyclohexane	1.7	5.9	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

S112906JRR015

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163115

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 1163115RA59

Level: (low/med) LOW

Date Received: 11/30/06

% Moisture: not dec. 15

Date Analyzed: 12/05/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VBLKPL

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121839  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121839B59  
Analyst: 2481

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/29/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	ND	U
74-87-3	Chloromethane	0.37	5	ND	U
75-01-4	Vinyl Chloride	0.80	5	ND	U
74-83-9	Bromomethane	0.72	5	ND	U
75-00-3	Chloroethane	0.65	5	ND	U
75-69-4	Trichlorofluoromethane	0.58	5	ND	U
75-35-4	1,1-Dichloroethene	0.83	5	ND	U
75-15-0	Carbon disulfide	0.46	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5	ND	U
67-64-1	Acetone	3.7	13	ND	U
75-09-2	Methylene Chloride	0.91	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	5	ND	U
75-34-3	1,1-Dichloroethane	0.50	5	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	5	ND	U
78-93-3	2-butanone	1.9	13	ND	U
67-66-3	Chloroform	0.53	5	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	5	ND	U
56-23-5	Carbon Tetrachloride	0.69	5	ND	U
71-43-2	Benzene	0.51	5	ND	U
107-06-2	1,2-Dichloroethane	0.38	5	ND	U
79-01-6	Trichloroethene	0.24	5	ND	U
78-87-5	1,2-Dichloropropane	0.57	5	ND	U
75-27-4	Bromodichloromethane	0.77	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	5	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	13	ND	U
108-88-3	Toluene	0.52	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	5	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	5	ND	U
127-18-4	Tetrachloroethene	0.65	5	ND	U
591-78-6	2-hexanone	1.7	13	ND	U
124-48-1	Dibromochloromethane	0.55	5	ND	U
106-93-4	1,2-Dibromoethane	0.48	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VBLKPL

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121839  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121839B59  
Analyst: 2481

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/29/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	ND	U
100-41-4	Ethylbenzene	0.78	5	ND	U
100-42-5	Styrene	0.86	5	ND	U
75-25-2	Bromoform	0.42	5	ND	U
98-82-8	Isopropyl Benzene	1.2	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	5	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	5	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7	Xylene (total)	1.3	15	ND	U
79-20-9	Methyl acetate	0.91	5	ND	U
110-82-7	Cyclohexane	1.3	5	ND	U
108-87-2	Methylcyclohexane	1.7	5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKPL

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 121839

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 121839B59

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 11/29/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VBLKPM

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121840  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121840A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	ND	U
74-87-3	Chloromethane	0.37	5	ND	U
75-01-4	Vinyl Chloride	0.80	5	ND	U
74-83-9	Bromomethane	0.72	5	ND	U
75-00-3	Chloroethane	0.65	5	ND	U
75-69-4	Trichlorofluoromethane	0.58	5	ND	U
75-35-4	1,1-Dichloroethene	0.83	5	ND	U
75-15-0	Carbon disulfide	0.46	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5	ND	U
67-64-1	Acetone	3.7	13	ND	U
75-09-2	Methylene Chloride	0.91	5	11	
156-60-5	trans-1,2-Dichloroethene	0.78	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	5	ND	U
75-34-3	1,1-Dichloroethane	0.50	5	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	5	ND	U
78-93-3	2-butanone	1.9	13	ND	U
67-66-3	Chloroform	0.53	5	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	5	ND	U
56-23-5	Carbon Tetrachloride	0.69	5	ND	U
71-43-2	Benzene	0.51	5	ND	U
107-06-2	1,2-Dichloroethane	0.38	5	ND	U
79-01-6	Trichloroethene	0.24	5	ND	U
78-87-5	1,2-Dichloropropane	0.57	5	ND	U
75-27-4	Bromodichloromethane	0.77	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	5	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	13	ND	U
108-88-3	Toluene	0.52	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	5	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	5	ND	U
127-18-4	Tetrachloroethene	0.65	5	ND	U
591-78-6	2-hexanone	1.7	13	ND	U
124-48-1	Dibromochloromethane	0.55	5	ND	U
106-93-4	1,2-Dibromoethane	0.48	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VBLKPM

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121840  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121840A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	ND	U
100-41-4	Ethylbenzene	0.78	5	ND	U
100-42-5	Styrene	0.86	5	ND	U
75-25-2	Bromoform	0.42	5	ND	U
98-82-8	Isopropyl Benzene	1.2	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	5	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	5	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7	Xylene (total)	1.3	15	ND	U
79-20-9	Methyl acetate	0.91	5	ND	U
110-82-7	Cyclohexane	1.3	5	ND	U
108-87-2	Methylcyclohexane	1.7	5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKPM

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 121840

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 121840A59

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 12/04/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VBLKQL

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121994  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121994A59\_11658  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/05/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121994

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	ND	U
74-87-3	Chloromethane	0.37	5	ND	U
75-01-4	Vinyl Chloride	0.80	5	ND	U
74-83-9	Bromomethane	0.72	5	ND	U
75-00-3	Chloroethane	0.65	5	ND	U
75-69-4	Trichlorofluoromethane	0.58	5	ND	U
75-35-4	1,1-Dichloroethene	0.83	5	ND	U
75-15-0	Carbon disulfide	0.46	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	5	ND	U
67-64-1	Acetone	3.7	13	ND	U
75-09-2	Methylene Chloride	0.91	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.78	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.44	5	ND	U
75-34-3	1,1-Dichloroethane	0.50	5	ND	U
156-59-2	cis-1,2-Dichloroethene	0.50	5	ND	U
78-93-3	2-butanone	1.9	13	ND	U
67-66-3	Chloroform	0.53	5	ND	U
71-55-6	1,1,1-Trichloroethane	0.51	5	ND	U
56-23-5	Carbon Tetrachloride	0.69	5	ND	U
71-43-2	Benzene	0.51	5	ND	U
107-06-2	1,2-Dichloroethane	0.38	5	ND	U
79-01-6	Trichloroethene	0.24	5	ND	U
78-87-5	1,2-Dichloropropane	0.57	5	ND	U
75-27-4	Bromodichloromethane	0.77	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.23	5	ND	U
108-10-1	4-Methyl-2-pentanone	1.2	13	ND	U
108-88-3	Toluene	0.52	5	ND	U
10061-02-6	trans-1,3-Dichloropropene	0.30	5	ND	U
79-00-5	1,1,2-Trichloroethane	0.58	5	ND	U
127-18-4	Tetrachloroethene	0.65	5	ND	U
591-78-6	2-hexanone	1.7	13	ND	U
124-48-1	Dibromochloromethane	0.55	5	ND	U
106-93-4	1,2-Dibromoethane	0.48	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VBLKQL

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121994  
Sample wt/vol: 5.0(g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121994A59\_11658  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/05/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121994

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	ND	U
100-41-4	Ethylbenzene	0.78	5	ND	U
100-42-5	Styrene	0.86	5	ND	U
75-25-2	Bromoform	0.42	5	ND	U
98-82-8	Isopropyl Benzene	1.2	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	ND	U
541-73-1	1,3-Dichlorobenzene	1.4	5	ND	U
106-46-7	1,4-Dichlorobenzene	1.5	5	ND	U
95-50-1	1,2-Dichlorobenzene	1.3	5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7	Xylene (total)	1.3	15	ND	U
79-20-9	Methyl acetate	0.91	5	ND	U
110-82-7	Cyclohexane	1.3	5	ND	U
108-87-2	Methylcyclohexane	1.7	5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLKQL

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 121994

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 121994A59\_1165

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 12/05/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPLLCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121842  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121842B59  
Analyst: 2481

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	46	
74-87-3	Chloromethane	0.37	5	54	
75-01-4	Vinyl Chloride	0.80	5	52	
74-83-9	Bromomethane	0.72	5	59	
75-00-3	Chloroethane	0.65	5	52	
75-69-4	Trichlorofluoromethane	0.58	5	40	
75-35-4	1,1-Dichloroethene	0.83	5	54	
75-15-0	Carbon disulfide	0.46	5	55	
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5	49	
67-64-1	Acetone	3.7	13	130	
75-09-2	Methylene Chloride	0.91	5	57	
156-60-5	trans-1,2-Dichloroethene	0.78	5	52	
1634-04-4	Methyl-tert-butyl ether	0.44	5	50	
75-34-3	1,1-Dichloroethane	0.50	5	53	
156-59-2	cis-1,2-Dichloroethene	0.50	5	52	
78-93-3	2-butanone	1.9	13	120	
67-66-3	Chloroform	0.53	5	47	
71-55-6	1,1,1-Trichloroethane	0.51	5	45	
56-23-5	Carbon Tetrachloride	0.69	5	43	
71-43-2	Benzene	0.51	5	51	
107-06-2	1,2-Dichloroethane	0.38	5	47	
79-01-6	Trichloroethene	0.24	5	45	
78-87-5	1,2-Dichloropropane	0.57	5	54	
75-27-4	Bromodichloromethane	0.77	5	48	
10061-01-5	cis-1,3-Dichloropropene	0.23	5	51	
108-10-1	4-Methyl-2-pentanone	1.2	13	130	
108-88-3	Toluene	0.52	5	54	
10061-02-6	trans-1,3-Dichloropropene	0.30	5	50	
79-00-5	1,1,2-Trichloroethane	0.58	5	52	
127-18-4	Tetrachloroethene	0.65	5	45	
591-78-6	2-hexanone	1.7	13	130	
124-48-1	Dibromochloromethane	0.55	5	45	
106-93-4	1,2-Dibromoethane	0.48	5	52	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPLLCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121842  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121842B59  
Analyst: 2481

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	50	
100-41-4	Ethylbenzene	0.78	5	51	
100-42-5	Styrene	0.86	5	57	
75-25-2	Bromoform	0.42	5	46	
98-82-8	Isopropyl Benzene	1.2	5	49	
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	57	
541-73-1	1,3-Dichlorobenzene	1.4	5	49	
106-46-7	1,4-Dichlorobenzene	1.5	5	47	
95-50-1	1,2-Dichlorobenzene	1.3	5	48	
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	49	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	44	
1330-20-7	Xylene (total)	1.3	15	150	
79-20-9	Methyl acetate	0.91	5	64	
110-82-7	Cyclohexane	1.3	5	56	
108-87-2	Methylcyclohexane	1.7	5	53	

ND = Not Detected  
Q = Qualifier



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPLLCSD

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121845  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121845B59  
Analyst: 2481

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	48	
74-87-3	Chloromethane	0.37	5	55	
75-01-4	Vinyl Chloride	0.80	5	56	
74-83-9	Bromomethane	0.72	5	56	
75-00-3	Chloroethane	0.65	5	54	
75-69-4	Trichlorofluoromethane	0.58	5	40	
75-35-4	1,1-Dichloroethene	0.83	5	55	
75-15-0	Carbon disulfide	0.46	5	56	
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5	49	
67-64-1	Acetone	3.7	13	140	
75-09-2	Methylene Chloride	0.91	5	57	
156-60-5	trans-1,2-Dichloroethene	0.78	5	52	
1634-04-4	Methyl-tert-butyl ether	0.44	5	48	
75-34-3	1,1-Dichloroethane	0.50	5	53	
156-59-2	cis-1,2-Dichloroethene	0.50	5	54	
78-93-3	2-butanone	1.9	13	120	
67-66-3	Chloroform	0.53	5	47	
71-55-6	1,1,1-Trichloroethane	0.51	5	45	
56-23-5	Carbon Tetrachloride	0.69	5	44	
71-43-2	Benzene	0.51	5	52	
107-06-2	1,2-Dichloroethane	0.38	5	46	
79-01-6	Trichloroethene	0.24	5	44	
78-87-5	1,2-Dichloropropane	0.57	5	56	
75-27-4	Bromodichloromethane	0.77	5	48	
10061-01-5	cis-1,3-Dichloropropene	0.23	5	50	
108-10-1	4-Methyl-2-pentanone	1.2	13	130	
108-88-3	Toluene	0.52	5	54	
10061-02-6	trans-1,3-Dichloropropene	0.30	5	50	
79-00-5	1,1,2-Trichloroethane	0.58	5	52	
127-18-4	Tetrachloroethene	0.65	5	44	
591-78-6	2-hexanone	1.7	13	120	
124-48-1	Dibromochloromethane	0.55	5	46	
106-93-4	1,2-Dibromoethane	0.48	5	50	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPLLCSD

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121845  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121845B59  
Analyst: 2481

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 11/30/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121839

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	50	
100-41-4	Ethylbenzene	0.78	5	52	
100-42-5	Styrene	0.86	5	58	
75-25-2	Bromoform	0.42	5	46	
98-82-8	Isopropyl Benzene	1.2	5	49	
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	58	
541-73-1	1,3-Dichlorobenzene	1.4	5	49	
106-46-7	1,4-Dichlorobenzene	1.5	5	48	
95-50-1	1,2-Dichlorobenzene	1.3	5	49	
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	48	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	45	
1330-20-7	Xylene (total)	1.3	15	160	
79-20-9	Methyl acetate	0.91	5	65	
110-82-7	Cyclohexane	1.3	5	62	
108-87-2	Methylcyclohexane	1.7	5	52	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPMLCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121843  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121843A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	54	
74-87-3	Chloromethane	0.37	5	43	
75-01-4	Vinyl Chloride	0.80	5	46	
74-83-9	Bromomethane	0.72	5	53	
75-00-3	Chloroethane	0.65	5	47	
75-69-4	Trichlorofluoromethane	0.58	5	55	
75-35-4	1,1-Dichloroethene	0.83	5	53	
75-15-0	Carbon disulfide	0.46	5	50	
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5	48	
67-64-1	Acetone	3.7	13	160	
75-09-2	Methylene Chloride	0.91	5	60	B
156-60-5	trans-1,2-Dichloroethene	0.78	5	48	
1634-04-4	Methyl-tert-butyl ether	0.44	5	58	
75-34-3	1,1-Dichloroethane	0.50	5	49	
156-59-2	cis-1,2-Dichloroethene	0.50	5	50	
78-93-3	2-butanone	1.9	13	120	
67-66-3	Chloroform	0.53	5	53	
71-55-6	1,1,1-Trichloroethane	0.51	5	56	
56-23-5	Carbon Tetrachloride	0.69	5	55	
71-43-2	Benzene	0.51	5	45	
107-06-2	1,2-Dichloroethane	0.38	5	55	
79-01-6	Trichloroethene	0.24	5	50	
78-87-5	1,2-Dichloropropane	0.57	5	49	
75-27-4	Bromodichloromethane	0.77	5	56	
10061-01-5	cis-1,3-Dichloropropene	0.23	5	54	
108-10-1	4-Methyl-2-pentanone	1.2	13	120	
108-88-3	Toluene	0.52	5	44	
10061-02-6	trans-1,3-Dichloropropene	0.30	5	50	
79-00-5	1,1,2-Trichloroethane	0.58	5	47	
127-18-4	Tetrachloroethene	0.65	5	50	
591-78-6	2-hexanone	1.7	13	120	
124-48-1	Dibromochloromethane	0.55	5	55	
106-93-4	1,2-Dibromoethane	0.48	5	52	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPMLCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121843  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121843A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121840

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	47	
100-41-4	Ethylbenzene	0.78	5	45	
100-42-5	Styrene	0.86	5	52	
75-25-2	Bromoform	0.42	5	58	
98-82-8	Isopropyl Benzene	1.2	5	45	
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	44	
541-73-1	1,3-Dichlorobenzene	1.4	5	44	
106-46-7	1,4-Dichlorobenzene	1.5	5	43	
95-50-1	1,2-Dichlorobenzene	1.3	5	43	
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	50	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	46	
1330-20-7	Xylene (total)	1.3	15	130	
79-20-9	Methyl acetate	0.91	5	58	
110-82-7	Cyclohexane	1.3	5	38	
108-87-2	Methylcyclohexane	1.7	5	40	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPMLCSD

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121846  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121846A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121664

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	51	
74-87-3	Chloromethane	0.37	5	46	
75-01-4	Vinyl Chloride	0.80	5	47	
74-83-9	Bromomethane	0.72	5	59	
75-00-3	Chloroethane	0.65	5	47	
75-69-4	Trichlorofluoromethane	0.58	5	51	
75-35-4	1,1-Dichloroethene	0.83	5	48	
75-15-0	Carbon disulfide	0.46	5	46	
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.69	5	44	
67-64-1	Acetone	3.7	13	140	
75-09-2	Methylene Chloride	0.91	5	58	
156-60-5	trans-1,2-Dichloroethene	0.78	5	44	
1634-04-4	Methyl-tert-butyl ether	0.44	5	51	
75-34-3	1,1-Dichloroethane	0.50	5	45	
156-59-2	cis-1,2-Dichloroethene	0.50	5	48	
78-93-3	2-butanone	1.9	13	110	
67-66-3	Chloroform	0.53	5	50	
71-55-6	1,1,1-Trichloroethane	0.51	5	51	
56-23-5	Carbon Tetrachloride	0.69	5	52	
71-43-2	Benzene	0.51	5	42	
107-06-2	1,2-Dichloroethane	0.38	5	52	
79-01-6	Trichloroethene	0.24	5	48	
78-87-5	1,2-Dichloropropane	0.57	5	46	
75-27-4	Bromodichloromethane	0.77	5	51	
10061-01-5	cis-1,3-Dichloropropene	0.23	5	48	
108-10-1	4-Methyl-2-pentanone	1.2	13	110	
108-88-3	Toluene	0.52	5	44	
10061-02-6	trans-1,3-Dichloropropene	0.30	5	47	
79-00-5	1,1,2-Trichloroethane	0.58	5	45	
127-18-4	Tetrachloroethene	0.65	5	52	
591-78-6	2-hexanone	1.7	13	110	
124-48-1	Dibromochloromethane	0.55	5	51	
106-93-4	1,2-Dibromoethane	0.48	5	49	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VPMLCSD

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121846  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121846A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/04/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121664

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	45	
100-41-4	Ethylbenzene	0.78	5	43	
100-42-5	Styrene	0.86	5	50	
75-25-2	Bromoform	0.42	5	53	
98-82-8	Isopropyl Benzene	1.2	5	43	
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	42	
541-73-1	1,3-Dichlorobenzene	1.4	5	43	
106-46-7	1,4-Dichlorobenzene	1.5	5	40	
95-50-1	1,2-Dichlorobenzene	1.3	5	43	
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	48	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	43	
1330-20-7	Xylene (total)	1.3	15	130	
79-20-9	Methyl acetate	0.91	5	49	
110-82-7	Cyclohexane	1.3	5	44	
108-87-2	Methylcyclohexane	1.7	5	38	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VQLLCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121997  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121997A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/05/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121994

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
75-71-8	Dichlorodifluoromethane	0.58	5	52	
74-87-3	Chloromethane	0.37	5	42	
75-01-4	Vinyl Chloride	0.80	5	47	
74-83-9	Bromomethane	0.72	5	62	
75-00-3	Chloroethane	0.65	5	50	
75-69-4	Trichlorofluoromethane	0.58	5	53	
75-35-4	1,1-Dichloroethene	0.83	5	55	
75-15-0	Carbon disulfide	0.46	5	47	
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.69	5	48	
67-64-1	Acetone	3.7	13	140	
75-09-2	Methylene Chloride	0.91	5	59	
156-60-5	trans-1,2-Dichloroethene	0.78	5	46	
1634-04-4	Methyl-tert-butyl ether	0.44	5	53	
75-34-3	1,1-Dichloroethane	0.50	5	45	
156-59-2	cis-1,2-Dichloroethene	0.50	5	46	
78-93-3	2-butanone	1.9	13	110	
67-66-3	Chloroform	0.53	5	51	
71-55-6	1,1,1-Trichloroethane	0.51	5	51	
56-23-5	Carbon Tetrachloride	0.69	5	53	
71-43-2	Benzene	0.51	5	41	
107-06-2	1,2-Dichloroethane	0.38	5	52	
79-01-6	Trichloroethene	0.24	5	47	
78-87-5	1,2-Dichloropropane	0.57	5	46	
75-27-4	Bromodichloromethane	0.77	5	52	
10061-01-5	cis-1,3-Dichloropropene	0.23	5	48	
108-10-1	4-Methyl-2-pentanone	1.2	13	110	
108-88-3	Toluene	0.52	5	41	
10061-02-6	trans-1,3-Dichloropropene	0.30	5	48	
79-00-5	1,1,2-Trichloroethane	0.58	5	47	
127-18-4	Tetrachloroethene	0.65	5	43	
591-78-6	2-hexanone	1.7	13	110	
124-48-1	Dibromochloromethane	0.55	5	51	
106-93-4	1,2-Dibromoethane	0.48	5	50	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11631  
Client Sample ID: VQLLCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121997  
Sample wt/vol: 5.0 (g/mL) G  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121997A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/05/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121994

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/KG	Results UG/KG	Q
108-90-7	Chlorobenzene	0.29	5	44	
100-41-4	Ethylbenzene	0.78	5	43	
100-42-5	Styrene	0.86	5	46	
75-25-2	Bromoform	0.42	5	53	
98-82-8	Isopropyl Benzene	1.2	5	42	
79-34-5	1,1,2,2-Tetrachloroethane	0.91	5	45	
541-73-1	1,3-Dichlorobenzene	1.4	5	42	
106-46-7	1,4-Dichlorobenzene	1.5	5	42	
95-50-1	1,2-Dichlorobenzene	1.3	5	42	
96-12-8	1,2-Dibromo-3-Chloropropane	0.73	5	45	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	43	
1330-20-7	Xylene (total)	1.3	15	130	
79-20-9	Methyl acetate	0.91	5	57	
110-82-7	Cyclohexane	1.3	5	34	
108-87-2	Methylcyclohexane	1.7	5	35	

ND = Not Detected  
Q = Qualifier



FORM 2  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Level: (low/med) LOW

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKPL	87	84	106	103	0
02	VPLLCS	89	87	102	99	0
03	VPLLCS D	87	90	99	99	0
04	S112706JRR00	93	93	107	104	0
05	S112706JRR00	94	95	106	101	0
06	S112706JRR00	91	93	106	105	0
07	S112706JRR00	96	98	106	104	0
08	S112706JRR00	97	101	105	103	0
09	VBLKPM	118	120	98	101	0
10	VPMLCS	109	111	97	98	0
11	VPMLCS D	103	104	96	98	0
12	S112706JRR00	105	107	99	104	0
13	S112806JRR00	109	107	98	111	0
14	S112806JRR00	106	102	98	105	0
15	S112806JRR00	102	100	98	104	0
16	S112806JRR01	104	101	93	107	0
17	S112806JRR01	101	104	101	102	0
18	S112806JRR01	102	106	101	106	0
19	S112906JRR01	106	105	101	104	0
20	S112906JRR01	107	107	101	108	0
21	VBLKQL	115	119	97	103	0
22	VQLLCS	110	115	94	102	0
23	S112906JRR01	104	108	102	106	0
24						
25						
26						
27						
28						

QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (71-141)  
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (70-139)  
 SMC3 (TOL) = Toluene-d8 (72-123)  
 SMC4 (BFB) = Bromofluorobenzene (65-131)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPLLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPLLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		46.25	93	50-150
Chloromethane	50		54.43	109	50-150
Vinyl Chloride	50		51.92	104	50-150
Bromomethane	50		58.86	118	50-150
Chloroethane	50		51.86	104	50-150
Trichlorofluoromethane	50		39.51	79	50-150
1,1-Dichloroethene	50		53.99	108	50-150
Carbon disulfide	50		55.06	110	50-150
1,1,2-trichloro-1,2,2-t	50		48.52	97	50-150
Acetone	125		134.2	107	50-150
Methylene Chloride	50		57.43	115	50-150
trans-1,2-Dichloroethen	50		52.2	104	50-150
Methyl-tert-butyl ether	50		50.21	100	50-150
1,1-Dichloroethane	50		52.54	105	50-150
cis-1,2-Dichloroethene	50		51.91	104	50-150
2-butanone	125		121.9	98	50-150
Chloroform	50		46.8	94	50-150
1,1,1-Trichloroethane	50		44.87	90	50-150
Carbon Tetrachloride	50		43.1	86	50-150
Benzene	50		51.22	102	50-150
1,2-Dichloroethane	50		46.93	94	50-150
Trichloroethene	50		44.66	89	50-150
1,2-Dichloropropane	50		54.47	109	50-150
Bromodichloromethane	50		47.61	95	50-150
cis-1,3-Dichloropropene	50		51.02	102	50-150
4-Methyl-2-pentanone	125		132.3	106	50-150
Toluene	50		54.16	108	50-150
trans-1,3-Dichloroprope	50		50.4	101	50-150

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

\* Values outside of QC limits

COMMENTS:

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3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPLLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPLLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1,2-Trichloroethane	50		51.55	103	50-150
Tetrachloroethene	50		45.37	91	50-150
2-hexanone	125		126.5	101	50-150
Dibromochloromethane	50		45.39	91	50-150
1,2-Dibromoethane	50		51.86	104	50-150
Chlorobenzene	50		50.06	100	50-150
Ethylbenzene	50		50.68	101	50-150
Styrene	50		56.76	114	50-150
Bromoform	50		45.94	92	50-150
Isopropyl Benzene	50		49.08	98	50-150
1,1,2,2-Tetrachloroetha	50		57.31	115	50-150
1,3-Dichlorobenzene	50		48.95	98	50-150
1,4-Dichlorobenzene	50		47.43	95	50-150
1,2-Dichlorobenzene	50		48.42	97	50-150
1,2-Dibromo-3-Chloropro	50		49.17	98	50-150
1,2,4-Trichlorobenzene	50		44.13	88	50-150
Xylene (total)	150		154.3	103	50-150
Methyl acetate	50		63.67	127	50-150
Cyclohexane	50		56.1	112	50-150
Methylcyclohexane	50		53.22	106	50-150

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPLLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPLLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50	48.02	96	3	40	50-150
Chloromethane	50	55.32	111	2	40	50-150
Vinyl Chloride	50	55.79	112	7	40	50-150
Bromomethane	50	56.23	112	5	40	50-150
Chloroethane	50	53.84	108	4	40	50-150
Trichlorofluoromethane	50	39.96	80	1	40	50-150
1,1-Dichloroethene	50	54.73	109	1	40	50-150
Carbon disulfide	50	56.32	113	3	40	50-150
1,1,2-trichloro-1,2,2-t	50	49.11	98	1	40	50-150
Acetone	125	136	109	2	40	50-150
Methylene Chloride	50	56.63	113	2	40	50-150
trans-1,2-Dichloroethen	50	52.34	105	1	40	50-150
Methyl-tert-butyl ether	50	48.38	97	3	40	50-150
1,1-Dichloroethane	50	53.17	106	1	40	50-150
cis-1,2-Dichloroethene	50	54.06	108	4	40	50-150
2-butanone	125	116.4	93	5	40	50-150
Chloroform	50	46.91	94	0	40	50-150
1,1,1-Trichloroethane	50	44.88	90	0	40	50-150
Carbon Tetrachloride	50	43.59	87	1	40	50-150
Benzene	50	52.42	105	3	40	50-150
1,2-Dichloroethane	50	46.47	93	1	40	50-150
Trichloroethene	50	43.64	87	2	40	50-150
1,2-Dichloropropane	50	56.34	113	4	40	50-150
Bromodichloromethane	50	47.55	95	0	40	50-150
cis-1,3-Dichloropropene	50	50.39	101	1	40	50-150
4-Methyl-2-pentanone	125	127	102	4	40	50-150
Toluene	50	54.11	108	0	40	50-150
trans-1,3-Dichloroprope	50	49.76	100	1	40	50-150

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

\* Values outside of QC limits

COMMENTS:

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3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPLLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPLLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichloroethane	50	51.87	104	1	40	50-150
Tetrachloroethene	50	44.12	88	3	40	50-150
2-hexanone	125	124.1	99	2	40	50-150
Dibromochloromethane	50	45.57	91	0	40	50-150
1,2-Dibromoethane	50	49.64	99	5	40	50-150
Chlorobenzene	50	50.14	100	0	40	50-150
Ethylbenzene	50	51.92	104	3	40	50-150
Styrene	50	58.07	116	2	40	50-150
Bromoform	50	46.39	93	1	40	50-150
Isopropyl Benzene	50	49.4	99	1	40	50-150
1,1,2,2-Tetrachloroetha	50	57.67	115	0	40	50-150
1,3-Dichlorobenzene	50	49.25	99	1	40	50-150
1,4-Dichlorobenzene	50	48.43	97	2	40	50-150
1,2-Dichlorobenzene	50	48.75	98	1	40	50-150
1,2-Dibromo-3-Chloropro	50	48.34	97	1	40	50-150
1,2,4-Trichlorobenzene	50	44.68	89	1	40	50-150
Xylene (total)	150	156	104	1	40	50-150
Methyl acetate	50	65.04	130	2	40	50-150
Cyclohexane	50	61.52	123	9	40	50-150
Methylcyclohexane	50	51.9	104	2	40	50-150

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

\* Values outside of QC limits

RPD: 0 out of 48 outside limits

Spike Recovery: 0 out of 96 outside limits

COMMENTS: \_\_\_\_\_

3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPMLCS
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Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPMLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		53.61	107	50-150
Chloromethane	50		43.48	87	50-150
Vinyl Chloride	50		46.23	92	50-150
Bromomethane	50		52.64	105	50-150
Chloroethane	50		46.74	93	50-150
Trichlorofluoromethane	50		54.7	109	50-150
1,1-Dichloroethene	50		52.88	106	50-150
Carbon disulfide	50		49.52	99	50-150
1,1,2-trichloro-1,2,2-t	50		47.99	96	50-150
Acetone	125		156.5	125	50-150
Methylene Chloride	50		59.65	119	50-150
trans-1,2-Dichloroethen	50		48.46	97	50-150
Methyl-tert-butyl ether	50		57.53	115	50-150
1,1-Dichloroethane	50		49.12	98	50-150
cis-1,2-Dichloroethene	50		50.15	100	50-150
2-butanone	125		115.8	93	50-150
Chloroform	50		53.05	106	50-150
1,1,1-Trichloroethane	50		56.02	112	50-150
Carbon Tetrachloride	50		54.54	109	50-150
Benzene	50		44.57	89	50-150
1,2-Dichloroethane	50		55.29	111	50-150
Trichloroethene	50		49.88	100	50-150
1,2-Dichloropropane	50		48.66	97	50-150
Bromodichloromethane	50		55.72	111	50-150
cis-1,3-Dichloropropene	50		53.5	107	50-150
4-Methyl-2-pentanone	125		117.8	94	50-150
Toluene	50		44.12	88	50-150
trans-1,3-Dichloropropene	50		49.86	100	50-150

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPMLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPMLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1,2-Trichloroethane	50		46.91	94	50-150
Tetrachloroethene	50		49.56	99	50-150
2-hexanone	125		120.7	97	50-150
Dibromochloromethane	50		54.52	109	50-150
1,2-Dibromoethane	50		51.7	103	50-150
Chlorobenzene	50		46.92	94	50-150
Ethylbenzene	50		44.82	90	50-150
Styrene	50		51.81	104	50-150
Bromoform	50		57.82	116	50-150
Isopropyl Benzene	50		45	90	50-150
1,1,2,2-Tetrachloroetha	50		44.43	89	50-150
1,3-Dichlorobenzene	50		43.53	87	50-150
1,4-Dichlorobenzene	50		42.63	85	50-150
1,2-Dichlorobenzene	50		43.37	87	50-150
1,2-Dibromo-3-Chloropro	50		50.01	100	50-150
1,2,4-Trichlorobenzene	50		46.34	93	50-150
Xylene (total)	150		133.9	89	50-150
Methyl acetate	50		58.05	116	50-150
Cyclohexane	50		38.01	76	50-150
Methylcyclohexane	50		39.55	79	50-150

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPMLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPMLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCS D CONCENTRATION (ug/Kg)	LCS D % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50	50.84	102	5	40	50-150
Chloromethane	50	45.78	92	6	40	50-150
Vinyl Chloride	50	46.96	94	2	40	50-150
Bromomethane	50	59.06	118	12	40	50-150
Chloroethane	50	46.9	94	1	40	50-150
Trichlorofluoromethane	50	51.25	103	6	40	50-150
1,1-Dichloroethene	50	47.67	95	11	40	50-150
Carbon disulfide	50	46.2	92	7	40	50-150
1,1,2-trichloro-1,2,2-t	50	44.18	88	9	40	50-150
Acetone	125	142.5	114	9	40	50-150
Methylene Chloride	50	58.2	116	3	40	50-150
trans-1,2-Dichloroethen	50	44.49	89	9	40	50-150
Methyl-tert-butyl ether	50	50.8	102	12	40	50-150
1,1-Dichloroethane	50	44.9	90	9	40	50-150
cis-1,2-Dichloroethene	50	47.97	96	4	40	50-150
2-butanone	125	107.5	86	8	40	50-150
Chloroform	50	49.61	99	7	40	50-150
1,1,1-Trichloroethane	50	51.05	102	9	40	50-150
Carbon Tetrachloride	50	51.78	104	5	40	50-150
Benzene	50	42.11	84	6	40	50-150
1,2-Dichloroethane	50	52.23	104	7	40	50-150
Trichloroethene	50	47.99	96	4	40	50-150
1,2-Dichloropropane	50	46.45	93	4	40	50-150
Bromodichloromethane	50	50.78	102	8	40	50-150
cis-1,3-Dichloropropene	50	48.37	97	10	40	50-150
4-Methyl-2-pentanone	125	109.6	88	7	40	50-150
Toluene	50	43.64	87	1	40	50-150
trans-1,3-Dichloroprope	50	47.42	95	5	40	50-150

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_



3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VPMLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix Spike - EPA Sample No.: VPMLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichloroethane	50	45.35	91	3	40	50-150
Tetrachloroethene	50	51.53	103	4	40	50-150
2-hexanone	125	106.5	85	13	40	50-150
Dibromochloromethane	50	51.31	103	6	40	50-150
1,2-Dibromoethane	50	48.56	97	6	40	50-150
Chlorobenzene	50	45.5	91	3	40	50-150
Ethylbenzene	50	43.38	87	3	40	50-150
Styrene	50	50.33	101	3	40	50-150
Bromoform	50	52.7	105	10	40	50-150
Isopropyl Benzene	50	43.48	87	3	40	50-150
1,1,2,2-Tetrachloroetha	50	41.74	83	7	40	50-150
1,3-Dichlorobenzene	50	42.75	86	1	40	50-150
1,4-Dichlorobenzene	50	39.73	79	7	40	50-150
1,2-Dichlorobenzene	50	42.64	85	2	40	50-150
1,2-Dibromo-3-Chloropro	50	48.32	97	3	40	50-150
1,2,4-Trichlorobenzene	50	43.24	86	8	40	50-150
Xylene (total)	150	132.1	88	1	40	50-150
Methyl acetate	50	49.48	99	16	40	50-150
Cyclohexane	50	43.8	88	15	40	50-150
Methylcyclohexane	50	38.31	77	3	40	50-150

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

\* Values outside of QC limits

RPD: 0 out of 48 outside limits

Spike Recovery: 0 out of 96 outside limits

COMMENTS:

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3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VQLLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50	51.74	103	50-150
Chloromethane	50	42.19	84	50-150
Vinyl Chloride	50	46.68	93	50-150
Bromomethane	50	62.1	124	50-150
Chloroethane	50	49.96	100	50-150
Trichlorofluoromethane	50	52.54	105	50-150
1,1-Dichloroethene	50	54.72	109	50-150
Carbon disulfide	50	47.39	95	50-150
1,1,2-trichloro-1,2,2-t	50	47.56	95	50-150
Acetone	125	141.9	114	50-150
Methylene Chloride	50	59.26	119	50-150
trans-1,2-Dichloroethen	50	46.32	93	50-150
Methyl-tert-butyl ether	50	52.53	105	50-150
1,1-Dichloroethane	50	45.16	90	50-150
cis-1,2-Dichloroethene	50	45.78	92	50-150
2-butanone	125	110.2	88	50-150
Chloroform	50	51.36	103	50-150
1,1,1-Trichloroethane	50	50.74	101	50-150
Carbon Tetrachloride	50	52.88	106	50-150
Benzene	50	41.08	82	50-150
1,2-Dichloroethane	50	52.29	105	50-150
Trichloroethene	50	46.54	93	50-150
1,2-Dichloropropane	50	45.57	91	50-150
Bromodichloromethane	50	51.71	103	50-150
cis-1,3-Dichloropropene	50	48.25	97	50-150
4-Methyl-2-pentanone	125	109	87	50-150
Toluene	50	40.7	81	50-150
trans-1,3-Dichloroprope	50	47.71	95	50-150

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

\* Values outside of QC limits

COMMENTS:

---

3B  
SOIL VOLATILE LAB CONTROL SAMPLE

VQLLCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1,2-Trichloroethane	50	47.08	94	50-150
Tetrachloroethene	50	42.64	85	50-150
2-hexanone	125	111.6	89	50-150
Dibromochloromethane	50	51.01	102	50-150
1,2-Dibromoethane	50	49.89	100	50-150
Chlorobenzene	50	44.03	88	50-150
Ethylbenzene	50	42.7	85	50-150
Styrene	50	46.44	93	50-150
Bromoform	50	53.02	106	50-150
Isopropyl Benzene	50	41.64	83	50-150
1,1,2,2-Tetrachloroethane	50	45.18	90	50-150
1,3-Dichlorobenzene	50	41.62	83	50-150
1,4-Dichlorobenzene	50	42.36	85	50-150
1,2-Dichlorobenzene	50	42.39	85	50-150
1,2-Dibromo-3-Chloropropane	50	45.39	91	50-150
1,2,4-Trichlorobenzene	50	43.15	86	50-150
Xylene (total)	150	125.3	84	50-150
Methyl acetate	50	56.5	113	50-150
Cyclohexane	50	33.61	67	50-150
Methylcyclohexane	50	34.63	69	50-150

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

\* Values outside of QC limits

Spike Recovery: 0 out of 48 outside limits

COMMENTS:

---

FORM 4  
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKPL

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Lab File ID: 121839B59

Lab Sample ID: 121839

Date Analyzed: 11/29/06

Time Analyzed: 2340

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VPLLC	121842	121842B59	0023
02	VPLLCSD	121845	121845B59	0054
03	S112706JRR00	1163101	1163101B59	0124
04	S112706JRR00	1163102	1163102B59	0154
05	S112706JRR00	1163103	1163103B59	0224
06	S112706JRR00	1163104	1163104B59	0255
07	S112706JRR00	1163106	1163106B59	0355
08				
09				
10				
11				
12				
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COMMENTS:

FORM 4  
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKPM

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Lab File ID: 121840A59

Lab Sample ID: 121840

Date Analyzed: 12/04/06

Time Analyzed: 1405

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VPMLCS	121843	121843A59	1600
02	S112706JRR00	1163105	1163105RA59	1802
03	S112806JRR00	1163107	1163107RA59	1833
04	S112806JRR00	1163108	1163108RA59	1904
05	S112806JRR00	1163109	1163109RA59	1934
06	S112806JRR01	1163110	1163110RA59	2005
07	S112806JRR01	1163111	1163111RA59	2036
08	S112806JRR01	1163112	1163112RA59	2106
09	S112906JRR01	1163113	1163113A59	2137
10	S112906JRR01	1163114	1163114A59	2208
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12				
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COMMENTS:

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FORM 4  
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKQL

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Lab File ID: 121994A59\_11658

Lab Sample ID: 121994

Date Analyzed: 12/05/06

Time Analyzed: 1143

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO. =====	LAB SAMPLE ID =====	LAB FILE ID =====	TIME ANALYZED =====
01	VQLLCS	121997	121997A59	1345
02	S112906JRR01	1163115	1163115RA59	1544
03				
04				
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30				

COMMENTS:

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# CompuChem

a division of Liberty Analytical Corp.

HC + CD + EDD

12-Dec-06

DARLA STEWART  
CRA  
2055 NIAGARA FALL BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

**Subject:**

Report of Data-Project: 045596-2020 River Rd. Workorder: 11652

Attn.: DARLA STEWART

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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**CompuChem**

a division of Liberty Analytical Corp.

HC+CD+EDD

12-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596

Workorder: 11652

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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**CompuChem, a division of Liberty Analytical**

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<b>Hsn</b>	<b>Client ID</b>	<b>Wordorder</b>	<b>Matrix</b>	<b>Account</b>	<b>Project</b>	<b>Report</b>
1165201	GW113006JRR016	11652	W	CRA	045596	
1165202	GW113006JRR017	11652	W	CRA	045596	
1165203	GW113006JRR018	11652	W	CRA	045596	
1165204	GW113006JRR019	11652	W	CRA	045596	
1165205	TRIP BLANK	11652	W	CRA	045596	

SW846 - METALS

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
Lab Code: LIBERTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
SOW No.: SW846

<u>EPA Sample No.</u>	<u>Lab Sample ID.</u>
<u>GW113006JRR016</u>	<u>1165201</u>
<u>GW113006JRR017</u>	<u>1165202</u>
<u>GW113006JRR018</u>	<u>1165203</u>
<u>GW113006JRR019</u>	<u>1165204</u>

Were ICP interelement corrections applied? Yes/No YES  
Were ICP background corrections applied? Yes/No YES  
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Susan W Bass Name: Susan W. Bass  
Date: 12/7/06 Title: Senior Chemist

**CompuChem**

**a Division of Liberty Analytical Corp.**

501 Madison Avenue

Cary, NC 27513

**SDG NARRATIVE**

**SDG # 11652**

The indicated Sample Delivery Group (SDG) consisting of four (4) water samples were received into the laboratory information management system (LIMS) on December 1, 2006 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. The temperature of the samples upon receipt was 2.1 to 2.2°C. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed, in accordance with SW846 methodology for the requested list of TAL metals.

**INSTRUMENTAL QUALITY CONTROL:**

All calibration verification solutions (ICV & CCV), blanks (ICB & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within allowable limits.

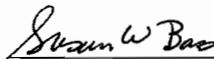
**SAMPLE PREPARATION QUALITY CONTROL:**

The sample preparation procedure verification (PBW, LCSW, & LCSW) was found to be within acceptable ranges and the field samples were prepared and analyzed within the specified holding times.

**MATRIX RELATED QUALITY CONTROL:**

No matrix spikes were requested for this SDG.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.



Susan W. Bass

Senior Chemist

December 7, 2006

**CompuChem**

**a Division of Liberty Analytical Corp.**

501 Madison Avenue Cary, NC 27513

**DATA REPORTING QUALIFIERS FOR INORGANICS**

On Form I, under the column labeled "C" for concentration qualifier and "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each analyte.

**The C (concentration) qualifiers used are:**

- U:** This flag indicates the analyte was analyzed for but not detected. This reported value was obtained from a reading that was less than the Instrument Detection Limit (IDL). The IDL will be adjusted to reflect any dilution and, for soils, the percent moisture.
- B:** This flag indicates the analyte was analyzed for and the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

**The Q qualifiers used are:**

- E:** This flag indicates an estimated value. This flag is used:
  - 1. When the serial dilution (a five fold dilution for CLP and a five fold dilution for SW-846 method 6010B) results are not within 10%. The analyte concentration must be sufficiently high (minimally a factor of 50X above the IDL in the original sample).
- N:** This flag indicates the sample spike recovery is outside of control limits:
- \*:** This flag is used for duplicate analysis when the sample and the sample duplicate results are not within control limits.

**The extensions: D, S, SD, L, A, added to the end of the client ID represent as follows:**

- D: matrix duplicate
- S: matrix spike
- SD: matrix spike duplicate
- L: serial dilution
- A: post digestion spike

**Method Codes:**

- P: ICP PLASMA
- CV: MERCURY COLD VAPOR AA
- CA: MIDI-DISTILLATION SPECTROPHOTOMETRIC
- MS: MASS SPECTROMETRY
- AS: SEMI-AUTOMATED SPECTROPHOTOMETRIC

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Compu Chem*

REFERENCE NUMBER:

*45596*

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *John Raley*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/29/06	1345	GUO - 45596 - 113006 - 302 - 016	water	3	VOC 3-TM, SUIC 2TK, PCB 2TK, Metals 500ml	1165201 42 Sampling Program
02	11/30	1430	GUO - 45596 - 113006 - 302 - 017		3		1165202 42
03	11/30	1530	GUO - 45596 - 113006 - 302 - 018		3		1165203 42 Complete
04	11/20	1120	GUO - 45596 - 113006 - 302 - 019		3		1165204 42
			TRIP Blank		3		1165205

TOTAL NUMBER OF CONTAINERS

*75*

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *[Signature]* DATE: *11/29/06* TIME: *1700* RECEIVED BY: *[Signature]* DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

METHOD OF SHIPMENT: *Fedex* WAY BILL NO. \_\_\_\_\_

White - Fully Executed Copy  
 Yellow - Receiving Laboratory Copy  
 Pink - Shipper Copy  
 Goldenrod - Sampler Copy

SAMPLE TEAM: \_\_\_\_\_ RECEIVED FOR LABORATORY BY: *[Signature]* DATE: *11/30/06* TIME: *1940*

No **N** 4487

*Rec'd @ 2.1 & 2.2 °C*

FAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11652	045596 2020 River Road Phase I	1165201	GW113006JRR016	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-016
11652	045596 2020 River Road Phase I	1165202	GW113006JRR017	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-017
11652	045596 2020 River Road Phase I	1165203	GW113006JRR018	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-018
11652	045596 2020 River Road Phase I	1165204	GW113006JRR019	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-019



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11652      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:** CLOSED      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165201	GW113006JRR016	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165202	GW113006JRR017	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165203	GW113006JRR018	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165204	GW113006JRR019	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11652      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:** CLOSED      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165205	TRIP BLANK	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD*TRIP BLK*VOC 5ML TCL4
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			



SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GW113006JRR016

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 Matrix (soil/water): WATER Lab Sample ID: 1165201  
 Level (low/med): LOW Date Received: 12/1/2006  
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3820			P
7440-36-0	Antimony	4.0	B		P
7440-38-2	Arsenic	6.2	B		P
7440-39-3	Barium	386			P
7440-41-7	Beryllium	0.20	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	251000			P
7440-47-3	Chromium	9.2	B		P
7440-48-4	Cobalt	5.0			P
7440-50-8	Copper	14.9			P
7439-89-6	Iron	25800			P
7439-92-1	Lead	15.3			P
7439-95-4	Magnesium	62100			P
7439-97-6	Mercury	0.10	U		CV
7439-96-5	Manganese	1170			P
7440-02-0	Nickel	12.9	B		P
7440-09-7	Potassium	17200			P
7782-49-2	Selenium	2.5	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	81700			P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	8.9	B		P
7440-66-6	Zinc	47.5			P

Color Before: COLORLESS Clarity Before: CLOUDY Texture: \_\_\_\_\_

Color After: COLORLESS Clarity After: CLOUDY Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SW846 - METALS**

-1-

**INORGANIC ANALYSES DATA SHEET**

EPA SAMPLE NO.

GW113006JRR017

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 Matrix (soil/water): WATER Lab Sample ID: 1165202  
 Level (low/med): LOW Date Received: 12/1/2006  
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	10.2			P
7440-38-2	Arsenic	12.7			P
7440-39-3	Barium	196	B		P
7440-41-7	Beryllium	0.60	B		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	296000			P
7440-47-3	Chromium	54.3			P
7440-48-4	Cobalt	13.6			P
7440-50-8	Copper	120			P
7439-89-6	Iron	75500			P
7439-92-1	Lead	370			P
7439-95-4	Magnesium	72300			P
7439-97-6	Mercury	0.10	B		CV
7439-96-5	Manganese	826			P
7440-02-0	Nickel	69.9			P
7440-09-7	Potassium	4330	B		P
7782-49-2	Selenium	2.5	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	81300			P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	32.0			P
7440-66-6	Zinc	428			P

Color Before: BROWN Clarity Before: CLOUDY Texture: \_\_\_\_\_  
 Color After: BROWN Clarity After: CLOUDY Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SW846 - METALS**

-1-

**INORGANIC ANALYSES DATA SHEET**

EPA SAMPLE NO.

**GW113006JRR018**

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 Matrix (soil/water): WATER Lab Sample ID: 1165203  
 Level (low/med): LOW Date Received: 12/1/2006  
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	48900			P
7440-36-0	Antimony	5.3	B		P
7440-38-2	Arsenic	62.1			P
7440-39-3	Barium	837			P
7440-41-7	Beryllium	2.8	B		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	762000			P
7440-47-3	Chromium	84.3			P
7440-48-4	Cobalt	74.7			P
7440-50-8	Copper	137			P
7439-89-6	Iron	192000			P
7439-92-1	Lead	86.5			P
7439-95-4	Magnesium	97000			P
7439-97-6	Mercury	0.13	B		CV
7439-96-5	Manganese	5740			P
7440-02-0	Nickel	144			P
7440-09-7	Potassium	9750			P
7782-49-2	Selenium	2.5	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	28400			P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	91.9			P
7440-66-6	Zinc	515			P

Color Before: BROWN Clarity Before: OPAQUE Texture: \_\_\_\_\_  
 Color After: BROWN Clarity After: OPAQUE Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**SW846 - METALS**

-1-

**INORGANIC ANALYSES DATA SHEET**

EPA SAMPLE NO.

GW113006JRR019

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 Matrix (soil/water): WATER Lab Sample ID: 1165204  
 Level (low/med): LOW Date Received: 12/1/2006  
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37300			P
7440-36-0	Antimony	7.2	B		P
7440-38-2	Arsenic	15.3			P
7440-39-3	Barium	258			P
7440-41-7	Beryllium	1.9	B		P
7440-43-9	Cadmium	1.7	B		P
7440-70-2	Calcium	665000			P
7440-47-3	Chromium	57.3			P
7440-48-4	Cobalt	28.5			P
7440-50-8	Copper	142			P
7439-89-6	Iron	63900			P
7439-92-1	Lead	103			P
7439-95-4	Magnesium	112000			P
7439-97-6	Mercury	1.0			CV
7439-96-5	Manganese	1880			P
7440-02-0	Nickel	74.5			P
7440-09-7	Potassium	12400			P
7782-49-2	Selenium	2.5	U		P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	260000			P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	73.4			P
7440-66-6	Zinc	298			P

Color Before: BROWN Clarity Before: OPAQUE Texture: \_\_\_\_\_  
 Color After: BROWN Clarity After: OPAQUE Artifacts: \_\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# SW846 - METALS

3

## BLANKS

Lab Name: COMPUCHEM Contract: \_\_\_\_\_

Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C	C	
Aluminum	20.0 U	U	20.0 U	U	20.0 U	U	20.0 U	U	20.000 U	P
Antimony	1.2 U	U	1.2 B	B	1.2 U	U	1.2 U	U	1.209 B	P
Arsenic	2.6 U	U	2.6 U	U	2.6 U	U	2.6 U	U	2.600 U	P
Barium	0.2 B	B	0.2 B	B	0.3 B	B	0.3 B	B	0.144 B	P
Beryllium	0.1 U	U	0.1 U	U	0.1 B	B	0.1 U	U	0.100 U	P
Cadmium	0.2 U	U	0.2 U	U	0.2 U	U	0.2 U	U	-0.435 B	P
Calcium	18.8 U	U	18.8 U	U	18.8 U	U	18.8 U	U	18.800 U	P
Chromium	0.4 U	U	0.4 U	U	0.4 U	U	0.4 U	U	0.400 U	P
Cobalt	0.4 U	U	0.4 U	U	0.4 U	U	0.4 U	U	0.400 U	P
Copper	1.1 U	U	1.1 U	U	1.1 U	U	1.1 U	U	1.100 U	P
Iron	7.5 U	U	7.5 U	U	7.5 U	U	7.5 U	U	7.500 U	P
Lead	1.6 U	U	1.6 U	U	1.6 U	U	1.6 U	U	1.845 B	P
Magnesium	2.6 U	U	5.7 B	B	12.0 B	B	14.3 B	B	5.259 B	P
Mercury	0.100 U	U	0.100 U	U	0.100 U	U	0.100 U	U	0.100 U	CV
Manganese	0.1 U	U	0.1 U	U	0.1 B	B	0.2 B	B	0.131 B	P
Nickel	0.6 U	U	0.6 U	U	0.6 U	U	0.6 U	U	0.600 U	P
Potassium	8.4 U	U	8.4 U	U	8.4 U	U	8.4 U	U	8.400 U	P
Selenium	2.5 U	U	2.5 U	U	2.5 U	U	2.5 U	U	2.500 U	P
Silver	0.5 U	U	0.5 U	U	0.5 U	U	0.5 U	U	0.500 U	P
Sodium	110.3 U	U	110.3 U	U	110.3 U	U	110.3 U	U	335.585 B	P
Thallium	3.2 U	U	3.2 U	U	3.2 U	U	3.2 U	U	3.200 U	P
Vanadium	0.4 U	U	0.4 U	U	0.4 U	U	0.4 U	U	0.400 U	P
Zinc	0.8 U	U	0.8 U	U	0.8 U	U	0.8 U	U	2.530 B	P

**SW846 - METALS**

7

**LABORATORY CONTROL SAMPLE**

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 Solid LCS Source: \_\_\_\_\_  
 Aqueous LCS Source: HP-625712

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	20000.0	18596.22	93.0					
Antimony	6000.0	5625.11	93.8					
Arsenic	1000.0	939.98	94.0					
Barium	20000.0	18094.53	90.5					
Beryllium	500.0	482.90	96.6					
Cadmium	500.0	465.55	93.1					
Calcium	50000.0	51663.57	103.3					
Chromium	1000.0	947.80	94.8					
Cobalt	5000.0	4761.75	95.2					
Copper	2500.0	2312.63	92.5					
Iron	10000.0	9585.67	95.9					
Lead	300.0	273.16	91.1					
Magnesium	50000.0	49348.59	98.7					
Mercury	3.0	3.01	100.3					
Manganese	1500.0	1449.71	96.6					
Nickel	4000.0	3753.81	93.8					
Potassium	50000.0	50280.75	100.6					
Selenium	500.0	422.44	84.5					
Silver	1000.0	933.38	93.3					
Sodium	50000.0	48946.49	97.9					
Thallium	1000.0	929.01	92.9					
Vanadium	5000.0	4841.85	96.8					
Zinc	2000.0	1878.90	93.9					

**SW846 - METALS**

7

**LABORATORY CONTROL SAMPLE**

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 Solid LCS Source: \_\_\_\_\_  
 Aqueous LCS Source: HP-625712

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	20000.0	17950.96	89.8					
Antimony	6000.0	5408.32	90.1					
Arsenic	1000.0	909.41	90.9					
Barium	20000.0	17381.30	86.9					
Beryllium	500.0	467.22	93.4					
Cadmium	500.0	451.96	90.4					
Calcium	50000.0	49889.17	99.8					
Chromium	1000.0	917.48	91.7					
Cobalt	5000.0	4607.62	92.2					
Copper	2500.0	2219.35	88.8					
Iron	10000.0	9297.95	93.0					
Lead	300.0	263.96	88.0					
Magnesium	50000.0	47719.45	95.4					
Mercury	3.0	3.02	100.7					
Manganese	1500.0	1401.70	93.4					
Nickel	4000.0	3634.52	90.9					
Potassium	50000.0	48587.25	97.2					
Selenium	500.0	409.48	81.9					
Silver	1000.0	890.73	89.1					
Sodium	50000.0	47079.94	94.2					
Thallium	1000.0	897.80	89.8					
Vanadium	5000.0	4690.26	93.8					
Zinc	2000.0	1817.01	90.9					

SW846 - METALS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: \_\_\_\_\_  
 Lab Code: LIBERTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652  
 ICP ID Number: P3 Date: 10/15/2006  
 Flame AA ID Number: \_\_\_\_\_  
 Furnace AA ID Number: \_\_\_\_\_

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Aluminum	308.22		200	20.0	P
Antimony	206.84		10	1.2	P
Arsenic	189.04		10	2.6	P
Barium	493.41		200	0.1	P
Beryllium	313.04		5	0.1	P
Cadmium	226.50		5.0	0.2	P
Calcium	317.93		5000	18.8	P
Chromium	267.72		10	0.4	P
Cobalt	228.62		5	0.4	P
Copper	324.70		5	1.1	P
Iron	271.44		100	7.5	P
Lead	220.35		3	1.6	P
Magnesium	279.08		5000	2.6	P
Manganese	257.61		10	0.1	P
Nickel	231.60		40	0.6	P
Potassium	766.49		5000	8.4	P
Selenium	196.03		5	2.5	P
Silver	328.07		5	0.5	P
Sodium	330.23		5000	110.3	P
Thallium	190.86		10	3.2	P
Vanadium	292.40		20	0.4	P
Zinc	213.86		20	0.8	P

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



SW846 - METALS

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: COMPUCHEM Contract: \_\_\_\_\_

Lab Code: LIBRTY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 11652

ICP ID Number: \_\_\_\_\_ Date: 10/15/2006

Flame AA ID Number: V3

Furnace AA ID Number: \_\_\_\_\_

Analyte	Wave-length (nm)	Back-ground	CRQL (ug/L)	IDL (ug/L)	M
Mercury	253.70		0.20	0.10	CV

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**CompuChem**

a division of Liberty Analytical Corp.

HC + CD + EDD

12-Dec-06

DARLA STEWART  
CRA  
2055 NIAGARA FALL BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596 - 2020 River Rd. Workorder: 11652

Attn.: DARLA STEWART

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

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# CompuChem

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HCT + CD + EDD

12-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596

Workorder: 11652

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

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OF PAGES \_\_\_\_\_

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**CompuChem, a division of Liberty Analytical**

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<b>Hsn</b>	<b>Client ID</b>	<b>Wordorder</b>	<b>Matrix</b>	<b>Account</b>	<b>Project</b>	<b>Report</b>
1165201	GW113006JRR016	11652	W	CRA	045596	
1165202	GW113006JRR017	11652	W	CRA	045596	
1165203	GW113006JRR018	11652	W	CRA	045596	
1165204	GW113006JRR019	11652	W	CRA	045596	
1165205	TRIP BLANK	11652	W	CRA	045596	

# CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

**SDG NARRATIVE  
SDG # 11652  
PROTOCOL: SW-846**

**SAMPLE IDENTIFICATIONS: GW113006JRR016, GW113006JRR017, GW113006JRR018,  
GW113006JRR019**

The four water samples listed above were scheduled for the requested analysis of the PCB fraction. The samples were received intact and properly refrigerated on December 1, 2006. The requested SW-846, 3rd Edition, Update 3, Method 8082 were used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #11562 are included in the sample data sections.

## PCBs

Extraction and analysis holding time requirements were met for the samples.

No target analytes confirmed above the reporting limits in the sample.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All surrogate recoveries were within the method criteria with the exception of Decachlorobiphenyl which exhibited low recovery in each of the sample analyses.

The method blanks associated with the samples met all quality control criteria.

Duplicate matrix spikes were not performed with this SDG. The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met all recovery and precision criteria for all spike analytes.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above: Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



**Katrina L. Travis**

Director, Laboratory Operations

December 6, 2006

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Compu Chem*

REFERENCE NUMBER:

*45596*

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *John Rabay*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	1/29/06	1335	GLW - 45596 - 113006 - 5722 - 016	water	4	VOC, SU, PCB, Metals, pH	Sample in progress
02	1/30	1430	GLW - 45596 - 113006 - 5722 - 017	↓	4		Progress
03	1/30	1530	GLW - 45596 - 117006 - 5722 - 018	↓	4		Complete
04	1/20	1120	GLW - 45596 - 113006 - 5722 - 019	↓	4		
			TRIP Blank		3		

TOTAL NUMBER OF CONTAINERS		35		HEALTH/CHEMICAL HAZARDS	
----------------------------	--	----	--	-------------------------	--

RELINQUISHED BY: *[Signature]* DATE: *1/19/06* TIME: *1700* RECEIVED BY: *[Signature]* DATE: *1/19/06* TIME: *1700*

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

METHOD OF SHIPMENT: *Fedex* WAY BILL No. \_\_\_\_\_

White Fully Executed Copy  
 Yellow Receiving Laboratory Copy  
 Pink Shipper Copy  
 Goldenrod Sampler Copy

SAMPLE TEAM: \_\_\_\_\_ RECEIVED FOR LABORATORY BY: *[Signature]* DATE: *1/19/06* TIME: *1700*

No **N** 4487

*rec'd @ 2.1 ± 2.2°C*

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11652	045596 2020 River Road Phase I	1165201	GW113006JRR016	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-016
11652	045596 2020 River Road Phase I	1165202	GW113006JRR017	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-017
11652	045596 2020 River Road Phase I	1165203	GW113006JRR018	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-018
11652	045596 2020 River Road Phase I	1165204	GW113006JRR019	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-019



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**WORKORDER SUMMARY REPORT**

Workorder: 11652 Account: CRA Project: 045596

SDG-Case: 045596 2020 Status: CLOSED QC Type: REPORT LCS/LCSD

Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165201	GW113006JRR016	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX SPIKE FOR SVOC)*VOC SML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B SML TCL4 WATER			
1165202	GW113006JRR017	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX SPIKE FOR SVOC)*VOC SML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B SML TCL4 WATER			
1165203	GW113006JRR018	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX SPIKE FOR SVOC)*VOC SML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B SML TCL4 WATER			
1165204	GW113006JRR019	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX SPIKE FOR SVOC)*VOC SML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B SML TCL4 WATER			



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**WORKORDER SUMMARY REPORT**

Workorder: 11652 Account: CRA Project: 045596

SDG-Case: 045596 2020 Status: CLOSED QC Type: REPORT LC/SLCSD

Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165205 TRIP BLANK	11/30/2006	12/1/2006	12/12/2006	LC/SLCSD*TRIP BLK*VOC SML TCL4
W VW82-STC4				VOC 8260B SML TCL4 WATER

FORM I PEST

12674-11-2-----Aroclor-1016	0.93	U
11104-28-2-----Aroclor-1221	1.3	U
11141-16-5-----Aroclor-1232	0.93	U
53469-21-9-----Aroclor-1242	0.63	U
12672-29-6-----Aroclor-1248	0.63	U
11097-69-1-----Aroclor-1254	0.63	U
11096-82-5-----Aroclor-1260	0.93	U

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11652  
 Matrix: (soil/water) WATER Lab Sample ID: 1165201  
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_  
 & Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/04/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) N  
 CONCENTRATION UNITS: (ug/L or ug/kg) UG/L

ID GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET  
 EPA SAMPLE NO.

GW113006JRR016

FORM I PEST

12674-11-2	-----Aroclor-1016	0.93	U
11104-28-2	-----Aroclor-1221	1.3	U
1141-16-5	-----Aroclor-1232	0.93	U
53469-21-9	-----Aroclor-1242	0.63	U
12672-29-6	-----Aroclor-1248	0.63	U
11097-69-1	-----Aroclor-1254	0.63	U
11096-82-5	-----Aroclor-1260	0.93	U

CAS NO.                      COMPOUND                      CONCENTRATION UNITS: (ug/L or ug/kg) UG/L                      Ø  
 GPC Cleanup: (Y/N) N                      PH: \_\_\_\_\_  
 Injection Volume: 1.0 (uL)                      Dilution Factor: 1.0  
 Concentrated Extract Volume: 5000 (uL)                      Date Analyzed: 12/05/06  
 Extraction: (SepF/Cont/Sonc) SRPF                      Date Extracted: 12/04/06  
 & Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_                      Date Received: 12/01/06  
 Sample wt/vol: 1000 (g/mL) ML                      Lab File ID: \_\_\_\_\_  
 Matrix: (soil/water) WATER                      Lab Sample ID: 1165202  
 Lab Code: LIBRTY                      Case No.:                      SAS No.:                      SDG No.: 11652

Lab Name: COMPUCHEM

Contract: 8082

GW113006JRR017

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FORM I PEST

12674-11-2-----Aroclor-1016	0.93	U
11104-28-2-----Aroclor-1221	1.3	U
11141-16-5-----Aroclor-1232	0.93	U
53469-21-9-----Aroclor-1242	0.63	U
12672-29-6-----Aroclor-1248	0.63	U
11097-69-1-----Aroclor-1254	0.63	U
11096-82-5-----Aroclor-1260	0.93	U

Lab Name: COMPUCHEM      Contract: 8082  
 Lab Code: LIBRTY      Case No.:      SAS No.:      SDG No.: 11652  
 Matrix: (soil/water) WATER      Lab Sample ID: 1165203  
 Sample wt/vol: 500.0 (g/mL) ML      Lab File ID: \_\_\_\_\_  
 % Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
 Extraction: (SepF/Cont/Sonc) SEPF      Date Extracted: 12/04/06  
 Concentrated Extract Volume: 2500 (uL)      Date Analyzed: 12/05/06  
 Injection Volume: 1.0 (uL)      Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N      pH: \_\_\_\_\_  
 Sulfur Cleanup: (Y/N) N

CAS NO.      COMPOUND      CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/L      Q

EPA SAMPLE NO.      GW113006JRR018

FORM I PEST

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

ID

EPA SAMPLE NO.

GW113006JRR019

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11652

Matrix: (soil/water) WATER Lab Sample ID: 1165204

Sample wt/vol: 1000 (g/mL) ML Lab File ID:

% Moisture: decanted: (Y/N) Date Received: 12/01/06

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/04/06

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/06

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/kg) ug/L

12674-11-2	-----Aroclor-1016	0.93	U
11104-28-2	-----Aroclor-1221	1.3	U
11141-16-5	-----Aroclor-1232	0.93	U
53469-21-9	-----Aroclor-1242	0.63	U
12672-29-6	-----Aroclor-1248	0.63	U
11097-69-1	-----Aroclor-1254	0.63	U
11096-82-5	-----Aroclor-1260	0.93	U

FORM I PEST

12674-11-2-----Aroclor-1016	0.93 U
11104-28-2-----Aroclor-1221	1.3 U
11141-16-5-----Aroclor-1232	0.93 U
53469-21-9-----Aroclor-1242	0.63 U
12672-29-6-----Aroclor-1248	0.63 U
11097-69-1-----Aroclor-1254	0.63 U
11096-82-5-----Aroclor-1260	0.93 U

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11652

Matrix: (soil/water) WATER Lab Sample ID: 122265

Sample wt/vol: 1000 (g/mL) ML Lab File ID: \_\_\_\_\_

& Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/04/06

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/05/06

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS (ug/L or ug/kg) ug/L  $\emptyset$

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

ID

EPA SAMPLE NO.

PBLKUM

FORM I PEST

12674-11-2	-----Aroclor-1016	4.2
11104-28-2	-----Aroclor-1221	1.3
11141-16-5	-----Aroclor-1232	0.93
53469-21-9	-----Aroclor-1242	0.63
12672-29-6	-----Aroclor-1248	0.63
11097-69-1	-----Aroclor-1254	0.63
11096-82-5	-----Aroclor-1260	4.5

CAS NO.                      COMPOUND                      CONCENTRATION UNITS (ug/L or ug/Kg) UG/L  
 GPC Cleanup: (Y/N) N                      pH: \_\_\_\_\_  
 Injection Volume: 1.0 (uL)                      Dilution Factor: 1.0  
 Concentrated Extract Volume: 5000 (uL)                      Date Analyzed: 12/05/06  
 Extraction: (SepF/Cont/Sonc) SEPF                      Date Extracted: 12/04/06  
 & Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
 Date Received: \_\_\_\_\_  
 Lab Sample ID: 122266                      Lab File ID: \_\_\_\_\_  
 Matrix: (soil/water) WATER                      Sample wt/vol: 1000 (g/mL) ML  
 Lab Code: LIBRTY                      Case No.:                      SAS No.:                      SDG No.: 11652

PUMTCS

Lab Name: COMPUCHEM                      Contract: 8082

2E  
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

GC Column(1): CLPEST

ID: 0.32 (mm)

GC Column(2): CLPEST2

ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKUM	89	84	94	86			0
02	PUMLCS	80	77	89	82			0
03	PUMLCSD	75	72	81	74			0
04	GW113006JRR0	75	62	49	41*			1
05	GW113006JRR0	79	87	24 *	22*			2
06	GW113006JRR0	100	68	76	65			0
07	GW113006JRR0	110	80	36 *	33*			2
08								
09								
10								
11								
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30								

ADVISORY  
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (43-135)

S2 (DCB) = Decachlorobiphenyl (43-144)

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out



3E  
WATER PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

LCS ID: PUM LCS Matrix Spike - EPA Sample No.: PUM LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	5.0		4.2	84	63-132
Aroclor-1260	5.0		4.5	90	59-120

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	5.0	3.8	76	10	20	63-132
Aroclor-1260	5.0	4.1	82	9	20	59-120

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

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

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4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKUM
--------

Lab Name: COMPUCHEM Contract: 8082  
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11652  
Lab Sample ID: 122265 Lab File ID: 392D122265  
Matrix (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF  
Sulfur Cleanup (Y/N) N Date Extracted: 12/04/06  
Date Analyzed (1): 12/05/06 Date Analyzed (2): 12/05/06  
Time Analyzed (1): 0242 Time Analyzed (2): 0242  
Instrument ID (1): TRACEGC86 Instrument ID (2): TRACEGC87  
GC Column (1): CLPEST ID: 0.32(mm) GC Column (2): CLPEST2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PUMLC3	122266	12/05/06	12/05/06
02	PUMLCSD	122267	12/05/06	12/05/06
03	GW113006JRR0	1165201	12/05/06	12/05/06
04	GW113006JRR0	1165202	12/05/06	12/05/06
05	GW113006JRR0	1165203	12/05/06	12/05/06
06	GW113006JRR0	1165204	12/05/06	12/05/06
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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19				
20				
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22				
23				
24				
25				
26				

COMMENTS:

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# CompuChem

a division of Liberty Analytical Corp.

HC + CD + EDD

12-Dec-06

DARLA STEWART  
CRA  
2055 NIAGARA FALL BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

**Subject:**

Report of Data-Project: 045596-2020 River Rd. Workorder: 11652

Attn.: DARLA STEWART

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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# CompuChem

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HCT + CD + EDD

12-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596

Workorder: 11652

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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**CompuChem, a division of Liberty Analytical**

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<b>Hsn</b>	<b>Client ID</b>	<b>Wordorder</b>	<b>Matrix</b>	<b>Account</b>	<b>Project</b>	<b>Report</b>
1165201	GW113006JRR016	11652	W	CRA	045596	
1165202	GW113006JRR017	11652	W	CRA	045596	
1165203	GW113006JRR018	11652	W	CRA	045596	
1165204	GW113006JRR019	11652	W	CRA	045596	
1165205	TRIP BLANK	11652	W	CRA	045596	

# CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

## SDG NARRATIVE

SDG # 11652

PROTOCOL: SW-846

### SAMPLE IDENTIFICATIONS:

GW113006JRR016

GW113006JRR017

GW113006JRR018

GW113006JRR019

The four (4) water samples listed above were received intact, properly refrigerated, with proper documentation, in sealed shipping containers, on December 1, 2006. These samples were scheduled for the requested analyses of the semivolatile fraction. SW-846, 3rd Edition, Update 3, Separatory Funnel extraction (Method 3510C), and Method 8270C were used to prepare and analyze these samples, with the exceptions and/or additions requested by the client. This portion of the SDG narrative deals with the semivolatile fraction only.

### Semivolatile

Extraction and analysis holding time requirements were met for these samples.

There were no semivolatile project analytes identified above the Quantitation Limit (QL) in these samples.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All decafluorotriphenylphosphine (DFTPP) abundance criteria were met for tunes associated to this SDG. Tailing factor criteria were met for pentachlorophenol and benzidine. The breakdown criterion was met for DDT. These three compounds have been added to the DFTPP solution and analyzed together. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery and retention time criteria in the analyses of these samples.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blank met all quality control criteria.

There is no associated duplicate matrix spikes for this SDG. Duplicate Laboratory Control Samples (LCSD/LCSD) were analyzed instead. The recoveries of three spike compounds did not meet criteria in the LCS and LCSD. The recoveries of 4-chloroaniline and 2-chloronaphthalene were biased high and the recovery of atrazine was biased low. These compounds were not detected in the associated samples. The concentration of hexachloropentadiene was below the MDL in the LCS and LCSD. The concentration was denoted with a "J" flag in the Form I.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and completeness, other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Elsie S. Byrd  
Senior Scientist I  
December 12, 2006

## GC and GC/MS Column and Trap Specifications Table

SDG #: 11652

## COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
<b>GC Laboratory</b>					
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	Restek	CLPesticides	0.32	0.5	30
	Restek	CLPesticides II	0.32	0.25	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
<b>GC Volatiles Laboratory</b>					
	Restek	RTX-Volatiles	0.53	2.0	30
<b>GC/MS Volatiles Laboratory</b>					
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
	Phenomenex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
<b>GC/MS Semivolatiles Laboratory</b>					
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
<b>HPLC Laboratory</b>					
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

## TRAPS

<b>GC and GC/MS Volatiles Laboratory</b>	
Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
	* 1.2 cm Carbopack B
Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

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## **CompuChem's Pagination Convention**

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).



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## Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

- M** - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- H** - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- MH** - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- L** - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- ML** - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

- M1** - The compound was not found by the automatic integration routine.
- M2** - The compound was incorrectly integrated by the automatic integration routine.
- M3** - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

## DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

- U :** This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.
- J :** This flag indicates an estimated value. The flag is used as detailed below:
1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,
  2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and
  3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.
- N :** This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches  $\geq 85\%$  in the SOM01.1 SOW), the N flag is not used.
- P :** In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P. For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.
- C :** This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

## DATA REPORTING QUALIFIERS (continued)

- B:** This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.
- E:** This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.
- D:** If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.
- NOTE 1:** The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.
- NOTE 2:** Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses are not combined on a single Form I.
- A:** This flag indicates that a TIC is a suspected aldol-condensation product.
- S:** In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.
- X/Y/Z:** Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR016

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165201  
Sample wt/vol: 950 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165201J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000(uL)  
Injection Volume: 1.0(uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	Benzaldehyde	2	11	ND	U
108-95-2	Phenol	2.5	11	ND	U
111-44-4	Bis(2-chloroethyl) ether	1.8	11	ND	U
95-57-8	2-Chlorophenol	1.7	11	ND	U
95-48-7	2-Methylphenol	1.3	11	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1.5	11	ND	U
98-86-2	Acetophenone	1.7	11	ND	U
106-44-5	4-Methylphenol	2.8	21	ND	U
621-64-7	N-Nitroso-di-N-propylamine	1.8	11	ND	U
67-72-1	Hexachloroethane	2.6	11	ND	U
98-95-3	Nitrobenzene	2.1	11	ND	U
78-59-1	Isophorone	2	11	ND	U
88-75-5	2-Nitrophenol	2	11	ND	U
105-67-9	2,4-Dimethylphenol	1.8	11	ND	U
111-91-1	Bis(2-chloroethoxy)methane	1.9	11	ND	U
120-83-2	2,4-Dichlorophenol	1.5	11	ND	U
91-20-3	Naphthalene	2.5	11	ND	U
106-47-8	4-Chloroaniline	1.7	11	ND	U
87-68-3	Hexachlorobutadiene	3.9	11	ND	U
105-60-2	Caprolactam	1	11	ND	U
59-50-7	4-Chloro-3-methylphenol	1.9	11	ND	U
91-57-6	2-Methylnaphthalene	2.3	11	ND	U
77-47-4	Hexachlorocyclopentadiene	9.5	21	ND	U
88-06-2	2,4,6-Trichlorophenol	1.3	11	ND	U
95-95-4	2,4,5-Trichlorophenol	1.6	11	ND	U
92-52-4	1,1'-Biphenyl	2	11	ND	U
91-58-7	2-Chloronaphthalene	1.9	11	ND	U
88-74-4	2-Nitroaniline	1.5	21	ND	U
131-11-3	Dimethylphthalate	1.3	11	ND	U
606-20-2	2,6-Dinitrotoluene	1.3	11	ND	U
208-96-8	Acenaphthylene	1.7	11	ND	U
99-09-2	3-Nitroaniline	1.8	21	ND	U
83-32-9	Acenaphthene	1.6	11	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR016

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165201  
Sample wt/vol: 950 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165201J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---	2,4-Dinitrophenol	5.3	21	ND	U
100-02-7---	4-Nitrophenol	2.1	21	ND	U
121-14-2---	2,4-Dinitrotoluene	1.3	11	ND	U
132-64-9---	Dibenzofuran	1.6	11	ND	U
84-66-2---	Diethylphthalate	1.4	11	ND	U
7005-72-3-4	Chlorophenyl-phenylether	1.7	11	ND	U
86-73-7---	Fluorene	1.3	11	ND	U
100-01-6---	4-Nitroaniline	2	21	ND	U
534-52-1---	4,6-Dinitro-2-methylphenol	1.6	21	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	2.4	11	ND	U
101-55-3---	4-Bromophenyl-phenylether	1.5	11	ND	U
118-74-1---	Hexachlorobenzene	1.1	11	ND	U
87-86-5---	Pentachlorophenol	5.4	21	ND	U
85-01-8---	Phenanthrene	1.5	11	ND	U
120-12-7---	Anthracene	1.2	11	ND	U
86-74-8---	Carbazole	1.5	11	ND	U
84-74-2---	Di-n-butylphthalate	1.5	11	ND	U
206-44-0---	Fluoranthene	1.4	11	ND	U
129-00-0---	Pyrene	1.5	11	ND	U
85-68-7---	Butylbenzylphthalate	1.3	11	ND	U
91-94-1---	3,3'-Dichlorobenzidine	1.3	11	ND	U
117-81-7---	bis(2-ethylhexyl) Phthalate	2	11	6.2	J
56-55-3---	Benzo(a)anthracene	1.3	11	ND	U
218-01-9---	Chrysene	1.4	11	ND	U
117-84-0---	Di-n-octylphthalate	1.3	11	ND	U
205-99-2---	Benzo(b)fluoranthene	1.2	11	ND	U
207-08-9---	Benzo(k)fluoranthene	1.9	11	ND	U
50-32-8---	Benzo(a)pyrene	1.3	11	ND	U
193-39-5---	Indeno(1,2,3-cd)pyrene	1.2	11	ND	U
53-70-3---	Dibenzo(a,h)anthracene	1.4	11	ND	U
191-24-2---	Benzo(g,h,i)perylene	1.4	11	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR016

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165201  
Sample wt/vol: 950 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165201J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9-	Atrazine	2.5	11	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR017

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165202  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165202A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	Benzaldehyde	2	10	ND	U
108-95-2	Phenol	2.5	10	ND	U
111-44-4	Bis(2-chloroethyl) ether	1.8	10	ND	U
95-57-8	2-Chlorophenol	1.7	10	ND	U
95-48-7	2-Methylphenol	1.3	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1.5	10	ND	U
98-86-2	Acetophenone	1.7	10	ND	U
106-44-5	4-Methylphenol	2.8	20	ND	U
621-64-7	N-Nitroso-di-N-propylamine	1.8	10	ND	U
67-72-1	Hexachloroethane	2.6	10	ND	U
98-95-3	Nitrobenzene	2.1	10	ND	U
78-59-1	Isophorone	2	10	ND	U
88-75-5	2-Nitrophenol	2	10	ND	U
105-67-9	2,4-Dimethylphenol	1.8	10	ND	U
111-91-1	Bis(2-chloroethoxy)methane	1.9	10	ND	U
120-83-2	2,4-Dichlorophenol	1.5	10	ND	U
91-20-3	Naphthalene	2.5	10	ND	U
106-47-8	4-Chloroaniline	1.7	10	ND	U
87-68-3	Hexachlorobutadiene	3.9	10	ND	U
105-60-2	Caprolactam	1	10	ND	U
59-50-7	4-Chloro-3-methylphenol	1.9	10	ND	U
91-57-6	2-Methylnaphthalene	2.3	10	ND	U
77-47-4	Hexachlorocyclopentadiene	9.5	20	ND	U
88-06-2	2,4,6-Trichlorophenol	1.3	10	ND	U
95-95-4	2,4,5-Trichlorophenol	1.6	10	ND	U
92-52-4	1,1'-Biphenyl	2	10	ND	U
91-58-7	2-Chloronaphthalene	1.9	10	ND	U
88-74-4	2-Nitroaniline	1.5	20	ND	U
131-11-3	Dimethylphthalate	1.3	10	ND	U
606-20-2	2,6-Dinitrotoluene	1.3	10	ND	U
208-96-8	Acenaphthylene	1.7	10	ND	U
99-09-2	3-Nitroaniline	1.8	20	ND	U
83-32-9	Acenaphthene	1.6	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR017

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165202  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165202A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---2,4-Dinitrophenol		5.3	20	ND	U
100-02-7--4-Nitrophenol		2.1	20	ND	U
121-14-2---2,4-Dinitrotoluene		1.3	10	ND	U
132-64-9--Dibenzofuran		1.6	10	ND	U
84-66-2---Diethylphthalate		1.4	10	ND	U
7005-72-3-4-Chlorophenyl-phenylether		1.7	10	ND	U
86-73-7---Fluorene		1.3	10	ND	U
100-01-6--4-Nitroaniline		2	20	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		1.6	20	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		2.4	10	ND	U
101-55-3--4-Bromophenyl-phenylether		1.5	10	ND	U
118-74-1--Hexachlorobenzene		1.1	10	ND	U
87-86-5---Pentachlorophenol		5.4	20	ND	U
85-01-8---Phenanthrene		1.5	10	ND	U
120-12-7--Anthracene		1.2	10	ND	U
86-74-8---Carbazole		1.5	10	ND	U
84-74-2---Di-n-butylphthalate		1.5	10	ND	U
206-44-0--Fluoranthene		1.4	10	ND	U
129-00-0--Pyrene		1.5	10	ND	U
85-68-7---Butylbenzylphthalate		1.3	10	ND	U
91-94-1---3,3'-Dichlorobenzidine		1.3	10	ND	U
117-81-7--bis(2-ethylhexyl) Phthalate		2	10	ND	U
56-55-3---Benzo(a)anthracene		1.3	10	ND	U
218-01-9--Chrysene		1.4	10	ND	U
117-84-0--Di-n-octylphthalate		1.3	10	ND	U
205-99-2--Benzo(b)fluoranthene		1.2	10	ND	U
207-08-9--Benzo(k)fluoranthene		1.9	10	ND	U
50-32-8---Benzo(a)pyrene		1.3	10	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		1.2	10	ND	U
53-70-3---Dibenzo(a,h)anthracene		1.4	10	ND	U
191-24-2--Benzo(g,h,i)perylene		1.4	10	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR017

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165202  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165202A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9-	Atrazine	2.5	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR018

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165203  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165203A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	Benzaldehyde	2	10	ND	U
108-95-2	Phenol	2.5	10	ND	U
111-44-4	Bis (2-chloroethyl) ether	1.8	10	ND	U
95-57-8	2-Chlorophenol	1.7	10	ND	U
95-48-7	2-Methylphenol	1.3	10	ND	U
108-60-1	2,2'-oxybis (1-Chloropropane)	1.5	10	ND	U
98-86-2	Acetophenone	1.7	10	ND	U
106-44-5	4-Methylphenol	2.8	20	ND	U
621-64-7	N-Nitroso-di-N-propylamine	1.8	10	ND	U
67-72-1	Hexachloroethane	2.6	10	ND	U
98-95-3	Nitrobenzene	2.1	10	ND	U
78-59-1	Isophorone	2	10	ND	U
88-75-5	2-Nitrophenol	2	10	ND	U
105-67-9	2,4-Dimethylphenol	1.8	10	ND	U
111-91-1	Bis (2-chloroethoxy) methane	1.9	10	ND	U
120-83-2	2,4-Dichlorophenol	1.5	10	ND	U
91-20-3	Naphthalene	2.5	10	ND	U
106-47-8	4-Chloroaniline	1.7	10	ND	U
87-68-3	Hexachlorobutadiene	3.9	10	ND	U
105-60-2	Caprolactam	1	10	ND	U
59-50-7	4-Chloro-3-methylphenol	1.9	10	ND	U
91-57-6	2-Methylnaphthalene	2.3	10	ND	U
77-47-4	Hexachlorocyclopentadiene	9.5	20	ND	U
88-06-2	2,4,6-Trichlorophenol	1.3	10	ND	U
95-95-4	2,4,5-Trichlorophenol	1.6	10	ND	U
92-52-4	1,1'-Biphenyl	2	10	ND	U
91-58-7	2-Chloronaphthalene	1.9	10	ND	U
88-74-4	2-Nitroaniline	1.5	20	ND	U
131-11-3	Dimethylphthalate	1.3	10	ND	U
606-20-2	2,6-Dinitrotoluene	1.3	10	ND	U
208-96-8	Acenaphthylene	1.7	10	ND	U
99-09-2	3-Nitroaniline	1.8	20	ND	U
83-32-9	Acenaphthene	1.6	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR018

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165203  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165203A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---2,4-Dinitrophenol		5.3	20	ND	U
100-02-7--4-Nitrophenol		2.1	20	ND	U
121-14-2--2,4-Dinitrotoluene		1.3	10	ND	U
132-64-9--Dibenzofuran		1.6	10	ND	U
84-66-2---Diethylphthalate		1.4	10	ND	U
7005-72-3-4-Chlorophenyl-phenylether		1.7	10	ND	U
86-73-7---Fluorene		1.3	10	ND	U
100-01-6--4-Nitroaniline		2	20	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		1.6	20	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		2.4	10	ND	U
101-55-3--4-Bromophenyl-phenylether		1.5	10	ND	U
118-74-1--Hexachlorobenzene		1.1	10	ND	U
87-86-5---Pentachlorophenol		5.4	20	ND	U
85-01-8---Phenanthrene		1.5	10	ND	U
120-12-7--Anthracene		1.2	10	ND	U
86-74-8---Carbazole		1.5	10	ND	U
84-74-2---Di-n-butylphthalate		1.5	10	4.0	J
206-44-0--Fluoranthene		1.4	10	ND	U
129-00-0--Pyrene		1.5	10	ND	U
85-68-7---Butylbenzylphthalate		1.3	10	ND	U
91-94-1---3,3'-Dichlorobenzidine		1.3	10	ND	U
117-81-7--bis(2-ethylhexyl)Phthalate		2	10	7.4	J
56-55-3---Benzo (a) anthracene		1.3	10	ND	U
218-01-9--Chrysene		1.4	10	ND	U
117-84-0--Di-n-octylphthalate		1.3	10	ND	U
205-99-2--Benzo (b) fluoranthene		1.2	10	ND	U
207-08-9--Benzo (k) fluoranthene		1.9	10	ND	U
50-32-8---Benzo (a) pyrene		1.3	10	ND	U
193-39-5--Indeno (1,2,3-cd) pyrene		1.2	10	ND	U
53-70-3---Dibenzo (a,h) anthracene		1.4	10	ND	U
191-24-2--Benzo (g,h,i) perylene		1.4	10	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR018

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165203  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165203A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9	Atrazine	2.5	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR019

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165204  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165204A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	--Benzaldehyde	2	10	ND	U
108-95-2	--Phenol	2.5	10	ND	U
111-44-4	--Bis(2-chloroethyl) ether	1.8	10	ND	U
95-57-8	---2-Chlorophenol	1.7	10	ND	U
95-48-7	---2-Methylphenol	1.3	10	ND	U
108-60-1	--2,2'-oxybis(1-Chloropropane)	1.5	10	ND	U
98-86-2	---Acetophenone	1.7	10	ND	U
106-44-5	---4-Methylphenol	2.8	20	ND	U
621-64-7	---N-Nitroso-di-N-propylamine	1.8	10	ND	U
67-72-1	---Hexachloroethane	2.6	10	ND	U
98-95-3	---Nitrobenzene	2.1	10	ND	U
78-59-1	---Isophorone	2	10	ND	U
88-75-5	---2-Nitrophenol	2	10	ND	U
105-67-9	--2,4-Dimethylphenol	1.8	10	ND	U
111-91-1	--Bis(2-chloroethoxy)methane	1.9	10	ND	U
120-83-2	--2,4-Dichlorophenol	1.5	10	ND	U
91-20-3	---Naphthalene	2.5	10	ND	U
106-47-8	---4-Chloroaniline	1.7	10	ND	U
87-68-3	---Hexachlorobutadiene	3.9	10	ND	U
105-60-2	---Caprolactam	1	10	ND	U
59-50-7	---4-Chloro-3-methylphenol	1.9	10	ND	U
91-57-6	---2-Methylnaphthalene	2.3	10	ND	U
77-47-4	---Hexachlorocyclopentadiene	9.5	20	ND	U
88-06-2	---2,4,6-Trichlorophenol	1.3	10	ND	U
95-95-4	---2,4,5-Trichlorophenol	1.6	10	ND	U
92-52-4	---1,1'-Biphenyl	2	10	ND	U
91-58-7	---2-Chloronaphthalene	1.9	10	ND	U
88-74-4	---2-Nitroaniline	1.5	20	ND	U
131-11-3	---Dimethylphthalate	1.3	10	ND	U
606-20-2	--2,6-Dinitrotoluene	1.3	10	ND	U
208-96-8	---Acenaphthylene	1.7	10	ND	U
99-09-2	---3-Nitroaniline	1.8	20	ND	U
83-32-9	---Acenaphthene	1.6	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR019

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165204  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165204A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---	2,4-Dinitrophenol	5.3	20	ND	U
100-02-7--	4-Nitrophenol	2.1	20	ND	U
121-14-2--	2,4-Dinitrotoluene	1.3	10	ND	U
132-64-9--	Dibenzofuran	1.6	10	ND	U
84-66-2---	Diethylphthalate	1.4	10	ND	U
7005-72-3-4-	Chlorophenyl-phenylether	1.7	10	ND	U
86-73-7---	Fluorene	1.3	10	ND	U
100-01-6--	4-Nitroaniline	2	20	ND	U
534-52-1--	4,6-Dinitro-2-methylphenol	1.6	20	ND	U
86-30-6---	N-Nitrosodiphenylamine (1)	2.4	10	ND	U
101-55-3--	4-Bromophenyl-phenylether	1.5	10	ND	U
118-74-1--	Hexachlorobenzene	1.1	10	ND	U
87-86-5---	Pentachlorophenol	5.4	20	ND	U
85-01-8---	Phenanthrene	1.5	10	ND	U
120-12-7--	Anthracene	1.2	10	ND	U
86-74-8---	Carbazole	1.5	10	ND	U
84-74-2---	Di-n-butylphthalate	1.5	10	ND	U
206-44-0--	Fluoranthene	1.4	10	ND	U
129-00-0--	Pyrene	1.5	10	ND	U
85-68-7---	Butylbenzylphthalate	1.3	10	ND	U
91-94-1---	3,3'-Dichlorobenzidine	1.3	10	ND	U
117-81-7--	bis(2-ethylhexyl) Phthalate	2	10	4.3	J
56-55-3---	Benzo(a)anthracene	1.3	10	ND	U
218-01-9--	Chrysene	1.4	10	ND	U
117-84-0--	Di-n-octylphthalate	1.3	10	ND	U
205-99-2--	Benzo(b)fluoranthene	1.2	10	ND	U
207-08-9--	Benzo(k)fluoranthene	1.9	10	ND	U
50-32-8---	Benzo(a)pyrene	1.3	10	ND	U
193-39-5--	Indeno(1,2,3-cd)pyrene	1.2	10	ND	U
53-70-3---	Dibenzo(a,h)anthracene	1.4	10	ND	U
191-24-2--	Benzo(g,h,i)perylene	1.4	10	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR019

Lab Project Number:  
Method: 8270C  
Date Collected: 11/30/06

Lab Sample ID: 1165204  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165204A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9-	Atrazine	2.5	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SUNLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122269  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122269J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	Benzaldehyde	2	10	27	
108-95-2	Phenol	2.5	10	29	
111-44-4	Bis(2-chloroethyl) ether	1.8	10	59	
95-57-8	2-Chlorophenol	1.7	10	57	
95-48-7	2-Methylphenol	1.3	10	43	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.5	10	62	
98-86-2	Acetophenone	1.7	10	62	
106-44-5	4-Methylphenol	2.8	20	62	
621-64-7	N-Nitroso-di-N-propylamine	1.8	10	68	
67-72-1	Hexachloroethane	2.6	10	50	
98-95-3	Nitrobenzene	2.1	10	53	
78-59-1	Isophorone	2	10	62	
88-75-5	2-Nitrophenol	2	10	62	
105-67-9	2,4-Dimethylphenol	1.8	10	86	
111-91-1	Bis(2-chloroethoxy)methane	1.9	10	76	
120-83-2	2,4-Dichlorophenol	1.5	10	64	
91-20-3	Naphthalene	2.5	10	60	
106-47-8	4-Chloroaniline	1.7	10	99	
87-68-3	Hexachlorobutadiene	3.9	10	59	
105-60-2	Caprolactam	1	10	20	
59-50-7	4-Chloro-3-methylphenol	1.9	10	61	
91-57-6	2-Methylnaphthalene	2.3	10	66	
77-47-4	Hexachlorocyclopentadiene	9.5	20	8.9	J
88-06-2	2,4,6-Trichlorophenol	1.3	10	71	
95-95-4	2,4,5-Trichlorophenol	1.6	10	73	
92-52-4	1,1'-Biphenyl	2	10	60	
91-58-7	2-Chloronaphthalene	1.9	10	100	
88-74-4	2-Nitroaniline	1.5	20	62	
131-11-3	Dimethylphthalate	1.3	10	63	
606-20-2	2,6-Dinitrotoluene	1.3	10	67	
208-96-8	Acenaphthylene	1.7	10	58	
99-09-2	3-Nitroaniline	1.8	20	73	
83-32-9	Acenaphthene	1.6	10	65	

ND = Not Detected  
Q = Qualifier



1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SUNLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122269  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122269J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---	2,4-Dinitrophenol	5.3	20	65	
100-02-7--	4-Nitrophenol	2.1	20	33	
121-14-2--	2,4-Dinitrotoluene	1.3	10	73	
132-64-9--	Dibenzofuran	1.6	10	66	
84-66-2---	Diethylphthalate	1.4	10	68	
7005-72-3-4-	Chlorophenyl-phenylether	1.7	10	67	
86-73-7---	Fluorene	1.3	10	70	
100-01-6--	4-Nitroaniline	2	20	77	
534-52-1--	4,6-Dinitro-2-methylphenol	1.6	20	65	
86-30-6---	N-Nitrosodiphenylamine (1)	2.4	10	88	
101-55-3--	4-Bromophenyl-phenylether	1.5	10	61	
118-74-1--	Hexachlorobenzene	1.1	10	68	
87-86-5---	Pentachlorophenol	5.4	20	88	
85-01-8---	Phenanthrene	1.5	10	65	
120-12-7--	Anthracene	1.2	10	70	
86-74-8---	Carbazole	1.5	10	72	
84-74-2---	Di-n-butylphthalate	1.5	10	64	
206-44-0--	Fluoranthene	1.4	10	76	
129-00-0--	Pyrene	1.5	10	61	
85-68-7---	Butylbenzylphthalate	1.3	10	64	
91-94-1---	3,3'-Dichlorobenzidine	1.3	10	58	
117-81-7--	bis(2-ethylhexyl) Phthalate	2	10	65	
56-55-3---	Benzo(a) anthracene	1.3	10	68	
218-01-9--	Chrysene	1.4	10	68	
117-84-0--	Di-n-octylphthalate	1.3	10	57	
205-99-2--	Benzo(b) fluoranthene	1.2	10	66	
207-08-9--	Benzo(k) fluoranthene	1.9	10	54	
50-32-8---	Benzo(a) pyrene	1.3	10	63	
193-39-5--	Indeno(1,2,3-cd)pyrene	1.2	10	68	
53-70-3---	Dibenzo(a,h) anthracene	1.4	10	64	
191-24-2--	Benzo(g,h,i) perylene	1.4	10	62	

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SUNLCS

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122269  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 122269J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9-	Atrazine	2.5	10	27	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SUNLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122270  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122270J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	Benzaldehyde	2	10	25	
108-95-2	Phenol	2.5	10	29	
111-44-4	Bis(2-chloroethyl) ether	1.8	10	56	
95-57-8	2-Chlorophenol	1.7	10	56	
95-48-7	2-Methylphenol	1.3	10	42	
108-60-1	2,2'-oxybis(1-Chloropropane)	1.5	10	60	
98-86-2	Acetophenone	1.7	10	61	
106-44-5	4-Methylphenol	2.8	20	61	
621-64-7	N-Nitroso-di-N-propylamine	1.8	10	68	
67-72-1	Hexachloroethane	2.6	10	46	
98-95-3	Nitrobenzene	2.1	10	52	
78-59-1	Isophorone	2	10	62	
88-75-5	2-Nitrophenol	2	10	61	
105-67-9	2,4-Dimethylphenol	1.8	10	88	
111-91-1	Bis(2-chloroethoxy)methane	1.9	10	76	
120-83-2	2,4-Dichlorophenol	1.5	10	63	
91-20-3	Naphthalene	2.5	10	59	
106-47-8	4-Chloroaniline	1.7	10	95	
87-68-3	Hexachlorobutadiene	3.9	10	57	
105-60-2	Caprolactam	1	10	22	
59-50-7	4-Chloro-3-methylphenol	1.9	10	61	
91-57-6	2-Methylnaphthalene	2.3	10	65	
77-47-4	Hexachlorocyclopentadiene	9.5	20	9.1	J
88-06-2	2,4,6-Trichlorophenol	1.3	10	71	
95-95-4	2,4,5-Trichlorophenol	1.6	10	74	
92-52-4	1,1'-Biphenyl	2	10	59	
91-58-7	2-Chloronaphthalene	1.9	10	100	
88-74-4	2-Nitroaniline	1.5	20	64	
131-11-3	Dimethylphthalate	1.3	10	63	
606-20-2	2,6-Dinitrotoluene	1.3	10	69	
208-96-8	Acenaphthylene	1.7	10	58	
99-09-2	3-Nitroaniline	1.8	20	74	
83-32-9	Acenaphthene	1.6	10	65	

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SUNLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122270  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122270J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---	2,4-Dinitrophenol	5.3	20	69	
100-02-7---	4-Nitrophenol	2.1	20	34	
121-14-2---	2,4-Dinitrotoluene	1.3	10	73	
132-64-9---	Dibenzofuran	1.6	10	66	
84-66-2---	Diethylphthalate	1.4	10	69	
7005-72-3-4-	Chlorophenyl-phenylether	1.7	10	68	
86-73-7---	Fluorene	1.3	10	71	
100-01-6---	4-Nitroaniline	2	20	79	
534-52-1---	4,6-Dinitro-2-methylphenol	1.6	20	68	
86-30-6---	N-Nitrosodiphenylamine (1)	2.4	10	88	
101-55-3---	4-Bromophenyl-phenylether	1.5	10	62	
118-74-1---	Hexachlorobenzene	1.1	10	69	
87-86-5---	Pentachlorophenol	5.4	20	89	
85-01-8---	Phenanthrene	1.5	10	67	
120-12-7---	Anthracene	1.2	10	72	
86-74-8---	Carbazole	1.5	10	74	
84-74-2---	Di-n-butylphthalate	1.5	10	66	
206-44-0---	Fluoranthene	1.4	10	76	
129-00-0---	Pyrene	1.5	10	62	
85-68-7---	Butylbenzylphthalate	1.3	10	66	
91-94-1---	3,3'-Dichlorobenzidine	1.3	10	61	
117-81-7---	bis(2-ethylhexyl) Phthalate	2	10	66	
56-55-3---	Benzo(a)anthracene	1.3	10	69	
218-01-9---	Chrysene	1.4	10	70	
117-84-0---	Di-n-octylphthalate	1.3	10	58	
205-99-2---	Benzo(b)fluoranthene	1.2	10	66	
207-08-9---	Benzo(k)fluoranthene	1.9	10	56	
50-32-8---	Benzo(a)pyrene	1.3	10	66	
193-39-5---	Indeno(1,2,3-cd)pyrene	1.2	10	69	
53-70-3---	Dibenzo(a,h)anthracene	1.4	10	65	
191-24-2---	Benzo(g,h,i)perylene	1.4	10	64	

(1) - Cannot be separated from Diphenylamine

ND = Not Detected

Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SUNLCSD

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122270  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122270J2A64  
Analyst: 917

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/09/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9-	Atrazine	2.5	10	27	

ND = Not Detected  
Q = Qualifier

FORM 2  
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

	CLIENT	S1	S2	S3	S4	S5	S6	S7	S8	TOT
	SAMPLE NO.	(2FP) #	(PHL) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	#	#	OUT
01	SBLKUN	37	29	56	66	95	70			0
02	GW113006JRR0	44	33	69	80	116	80			0
03	GW113006JRR0	43	35	68	79	117	69			0
04	GW113006JRR0	44	35	68	84	122	74			0
05	GW113006JRR0	44	34	66	80	112	73			0
06	SUNLCS	40	33	62	70	94	69			0
07	SUNLCSD	38	32	60	70	95	69			0
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										

QC LIMITS

S1 (2FP) = 2-Fluorophenol (16-110)  
 S2 (PHL) = Phenol-d5 (10-110)  
 S3 (NBZ) = Nitrobenzene-d5 (35-110)  
 S4 (FBP) = 2-Fluorobiphenyl (41-110)  
 S5 (TBP) = 2,4,6-Tribromophenol (27-125)  
 S6 (TPH) = Terphenyl-d14 (48-133)

# Column to be used to flag recovery values  
 \* Values outside of contract required QC limits  
 D Surrogate diluted out

3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Benzaldehyde	80		27.09	34	10-100
Phenol	80		28.96	36	11-100
Bis(2-chloroethyl)ether	80		58.83	74	32-101
2-Chlorophenol	80		57.17	71	30-118
2-Methylphenol	80		42.89	54	29-104
2,2'-oxybis(1-Chloropro	80		62.32	78	28-106
Acetophenone	80		61.58	77	37-108
4-Methylphenol	80		62.38	78	30-100
N-Nitroso-di-N-prop. (1)	80		68.31	85	41-109
Hexachloroethane	80		49.7	62	26-101
Nitrobenzene	80		53.11	66	39-109
Isophorone	80		62.43	78	43-113
2-Nitrophenol	80		61.98	77	30-143
2,4-Dimethylphenol	80		85.88	107	10-119
Bis(2-chloroethoxy)meth	80		75.56	94	38-115
2,4-Dichlorophenol	80		63.52	79	38-138
Naphthalene	80		59.8	75	32-117
4-Chloroaniline	80		98.92	124*	26-117
Hexachlorobutadiene	80		59.48	74	30-117
Caprolactam	80		20.16	25	10-100
4-Chloro-3-methylphenol	80		60.95	76	39-133
2-Methylnaphthalene	80		65.87	82	41-114
Hexachlorocyclopentadie	80		8.942	11	11-129
2,4,6-Trichlorophenol	80		70.76	88	26-150
2,4,5-Trichlorophenol	80		73.45	92	37-135
1,1'-Biphenyl	80		59.51	74	42-116
2-Chloronaphthalene	80		103	129*	42-114
2-Nitroaniline	80		61.93	77	43-109

(1) N-Nitroso-di-n-propylamine

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dimethylphthalate	80		62.61	78	49-116
2,6-Dinitrotoluene	80		66.72	83	47-120
Acenaphthylene	80		58.46	73	39-125
3-Nitroaniline	80		72.63	91	42-101
Acenaphthene	80		64.6	81	33-118
2,4-Dinitrophenol	80		64.66	81	10-130
4-Nitrophenol	80		33.22	42	10-100
2,4-Dinitrotoluene	80		73.11	91	47-117
Dibenzofuran	80		65.81	82	48-114
Diethylphthalate	80		68.18	85	49-117
4-Chlorophenyl-phenylet	80		67.2	84	47-119
Fluorene	80		70.1	88	45-126
4-Nitroaniline	80		76.83	96	39-107
4,6-Dinitro-2-methylphe	80		64.87	81	15-130
N-Nitrosodiphenylamine	80		87.52	109	50-112
4-Bromophenyl-phenyleth	80		60.75	76	48-121
Hexachlorobenzene	80		68.12	85	43-132
Pentachlorophenol	80		87.78	110	10-150
Phenanthrene	80		64.93	81	45-128
Anthracene	80		70.2	88	42-128
Carbazole	80		72.32	90	44-131
Di-n-butylphthalate	80		63.89	80	39-122
Fluoranthene	80		76.03	95	43-133
Pyrene	80		61.38	77	44-124
Butylbenzylphthalate	80		64.28	80	43-120
3,3'-Dichlorobenzidine	80		57.55	72	28-100
bis(2-ethylhexyl) Phthal	80		65	81	36-114
Benzo(a)anthracene	80		67.89	85	42-127

(1) N-Nitroso-di-n-propylamine  
 # Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS: \_\_\_\_\_



3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS
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Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Chrysene	80		67.7	85	39-128
Di-n-octylphthalate	80		57.06	71	26-128
Benzo (b) fluoranthene	80		65.8	82	34-127
Benzo (k) fluoranthene	80		54.15	68	33-135
Benzo (a) pyrene	80		63.32	79	37-124
Indeno (1,2,3-cd) pyrene	80		67.68	85	28-118
Dibenzo (a,h) anthracene	80		64.27	80	31-127
Benzo (g,h,i) perylene	80		62.43	78	30-127

(1) N-Nitroso-di-n-propylamine

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

COMMENTS: \_\_\_\_\_

3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Benzaldehyde	80	25.23	32	6	50	10-100
Phenol	80	28.9	36	0	50	11-100
Bis(2-chloroethyl) ether	80	55.79	70	6	50	32-101
2-Chlorophenol	80	55.72	70	1	50	30-118
2-Methylphenol	80	42.16	53	2	50	29-104
2,2'-oxybis(1-Chloropro	80	60.08	75	4	48	28-106
Acetophenone	80	60.73	76	1	50	37-108
4-Methylphenol	80	61.01	76	3	50	30-100
N-Nitroso-di-N-prop. (1)	80	68.16	85	0	35	41-109
Hexachloroethane	80	46.43	58	7	50	26-101
Nitrobenzene	80	51.74	65	2	43	39-109
Isophorone	80	62.22	78	0	37	43-113
2-Nitrophenol	80	61.23	77	0	50	30-143
2,4-Dimethylphenol	80	88.34	110	3	50	10-119
Bis(2-chloroethoxy)meth	80	75.85	95	1	45	38-115
2,4-Dichlorophenol	80	63.25	79	0	50	38-138
Naphthalene	80	59.27	74	1	41	32-117
4-Chloroaniline	80	95	119*	4	43	26-117
Hexachlorobutadiene	80	57.35	72	3	50	30-117
Caprolactam	80	22.09	28	11	50	10-100
4-Chloro-3-methylphenol	80	61.44	77	1	38	39-133
2-Methylnaphthalene	80	65.04	81	1	38	41-114
Hexachlorocyclopentadie	80	9.059	11	0	50	11-129
2,4,6-Trichlorophenol	80	71.08	89	1	50	26-150
2,4,5-Trichlorophenol	80	73.81	92	0	50	37-135
1,1'-Biphenyl	80	58.98	74	0	50	42-116
2-Chloronaphthalene	80	103.3	129*	0	42	42-114
2-Nitroaniline	80	63.59	79	3	30	43-109

(1) N-Nitroso-di-n-propylamine  
 # Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dimethylphthalate	80	62.72	78	0	40	49-116
2,6-Dinitrotoluene	80	69.21	87	5	33	47-120
Acenaphthylene	80	58.19	73	0	36	39-125
3-Nitroaniline	80	73.73	92	1	36	42-101
Acenaphthene	80	65.48	82	1	40	33-118
2,4-Dinitrophenol	80	69.21	87	7	50	10-130
4-Nitrophenol	80	33.78	42	0	50	10-100
2,4-Dinitrotoluene	80	73.4	92	1	34	47-117
Dibenzofuran	80	66.46	83	1	33	48-114
Diethylphthalate	80	69.11	86	1	37	49-117
4-Chlorophenyl-phenylet	80	67.66	85	1	36	47-119
Fluorene	80	71.1	89	1	34	45-126
4-Nitroaniline	80	79.25	99	3	36	39-107
4,6-Dinitro-2-methylphe	80	68.37	85	5	50	15-130
N-Nitrosodiphenylamine	80	88.25	110	1	39	50-112
4-Bromophenyl-phenyleth	80	62.3	78	3	40	48-121
Hexachlorobenzene	80	69.44	87	2	43	43-132
Pentachlorophenol	80	89.27	112	2	50	10-150
Phenanthrene	80	67.03	84	4	42	45-128
Anthracene	80	72.04	90	2	43	42-128
Carbazole	80	73.89	92	2	37	44-131
Di-n-butylphthalate	80	65.59	82	2	41	39-122
Fluoranthene	80	76.29	95	0	41	43-133
Pyrene	80	62.18	78	1	35	44-124
Butylbenzylphthalate	80	65.62	82	2	32	43-120
3,3'-Dichlorobenzidine	80	60.94	76	5	50	28-100
bis(2-ethylhexyl) Phthal	80	66.17	83	2	50	36-114
Benzo(a)anthracene	80	68.77	86	1	36	42-127

(1) N-Nitroso-di-n-propylamine

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

COMMENTS: \_\_\_\_\_

3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Chrysene	80	69.86	87	2	30	39-128
Di-n-octylphthalate	80	57.88	72	1	35	26-128
Benzo(b) fluoranthene	80	65.97	82	0	38	34-127
Benzo(k) fluoranthene	80	55.77	70	3	31	33-135
Benzo(a) pyrene	80	65.53	82	4	30	37-124
Indeno(1,2,3-cd) pyrene	80	69.42	87	2	27	28-118
Dibenzo(a,h) anthracene	80	65.15	81	1	30	31-127
Benzo(g,h,i) perylene	80	64.1	80	3	27	30-127

(1) N-Nitroso-di-n-propylamine

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

RPD: 0 out of 64 outside limits  
Spike Recovery: 4 out of 128 outside limits

COMMENTS: \_\_\_\_\_

3C  
WATER SEMIVOLATILE LAB CONTROL SAMPLE

SUNLCS
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: SUNLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC LIMITS REC.
Atrazine	80		26.64	33*	43-150

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD REC.
Atrazine	80	26.92	34*	3	50 43-150

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

RPD: 0 out of 1 outside limits  
Spike Recovery: 2 out of 2 outside limits

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

FORM 4  
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKUN

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Lab File ID: 122268A64

Lab Sample ID: 122268

Instrument ID: 5972HP64

Date Extracted: 12/04/06

Matrix: (soil/water) WATER

Date Analyzed: 12/08/06

Level:(low/med) LOW

Time Analyzed: 2020

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	GW113006JRR0	1165202	1165202A64	12/08/06
02	GW113006JRR0	1165203	1165203A64	12/08/06
03	GW113006JRR0	1165204	1165204A64	12/09/06
04	GW113006JRR0	1165201	1165201J2A64	12/09/06
05	SUNLCS	122269	122269J2A64	12/09/06
06	SUNLCSD	122270	122270J2A64	12/09/06
07				
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COMMENTS:

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1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SBLKUN

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122268  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 122268A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N)  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
100-52-7	Benzaldehyde	2	10	ND	U
108-95-2	Phenol	2.5	10	ND	U
111-44-4	Bis(2-chloroethyl) ether	1.8	10	ND	U
95-57-8	2-Chlorophenol	1.7	10	ND	U
95-48-7	2-Methylphenol	1.3	10	ND	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1.5	10	ND	U
98-86-2	Acetophenone	1.7	10	ND	U
106-44-5	4-Methylphenol	2.8	20	ND	U
621-64-7	N-Nitroso-di-N-propylamine	1.8	10	ND	U
67-72-1	Hexachloroethane	2.6	10	ND	U
98-95-3	Nitrobenzene	2.1	10	ND	U
78-59-1	Isophorone	2	10	ND	U
88-75-5	2-Nitrophenol	2	10	ND	U
105-67-9	2,4-Dimethylphenol	1.8	10	ND	U
111-91-1	Bis(2-chloroethoxy)methane	1.9	10	ND	U
120-83-2	2,4-Dichlorophenol	1.5	10	ND	U
91-20-3	Naphthalene	2.5	10	ND	U
106-47-8	4-Chloroaniline	1.7	10	ND	U
87-68-3	Hexachlorobutadiene	3.9	10	ND	U
105-60-2	Caprolactam	1	10	ND	U
59-50-7	4-Chloro-3-methylphenol	1.9	10	ND	U
91-57-6	2-Methylnaphthalene	2.3	10	ND	U
77-47-4	Hexachlorocyclopentadiene	9.5	20	ND	U
88-06-2	2,4,6-Trichlorophenol	1.3	10	ND	U
95-95-4	2,4,5-Trichlorophenol	1.6	10	ND	U
92-52-4	1,1'-Biphenyl	2	10	ND	U
91-58-7	2-Chloronaphthalene	1.9	10	ND	U
88-74-4	2-Nitroaniline	1.5	20	ND	U
131-11-3	Dimethylphthalate	1.3	10	ND	U
606-20-2	2,6-Dinitrotoluene	1.3	10	ND	U
208-96-8	Acenaphthylene	1.7	10	ND	U
99-09-2	3-Nitroaniline	1.8	20	ND	U
83-32-9	Acenaphthene	1.6	10	ND	U

ND = Not Detected  
Q = Qualifier

1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SBLKUN

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122268  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 122268A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
51-28-5---2,4-Dinitrophenol		5.3	20	ND	U
100-02-7--4-Nitrophenol		2.1	20	ND	U
121-14-2--2,4-Dinitrotoluene		1.3	10	ND	U
132-64-9--Dibenzofuran		1.6	10	ND	U
84-66-2---Diethylphthalate		1.4	10	ND	U
7005-72-3-4-Chlorophenyl-phenylether		1.7	10	ND	U
86-73-7---Fluorene		1.3	10	ND	U
100-01-6--4-Nitroaniline		2	20	ND	U
534-52-1--4,6-Dinitro-2-methylphenol		1.6	20	ND	U
86-30-6---N-Nitrosodiphenylamine (1)		2.4	10	ND	U
101-55-3--4-Bromophenyl-phenylether		1.5	10	ND	U
118-74-1--Hexachlorobenzene		1.1	10	ND	U
87-86-5---Pentachlorophenol		5.4	20	ND	U
85-01-8---Phenanthrene		1.5	10	ND	U
120-12-7--Anthracene		1.2	10	ND	U
86-74-8---Carbazole		1.5	10	ND	U
84-74-2---Di-n-butylphthalate		1.5	10	ND	U
206-44-0--Fluoranthene		1.4	10	ND	U
129-00-0--Pyrene		1.5	10	ND	U
85-68-7---Butylbenzylphthalate		1.3	10	ND	U
91-94-1---3,3'-Dichlorobenzidine		1.3	10	ND	U
117-81-7--bis(2-ethylhexyl) Phthalate		2	10	ND	U
56-55-3---Benzo(a)anthracene		1.3	10	ND	U
218-01-9--Chrysene		1.4	10	ND	U
117-84-0--Di-n-octylphthalate		1.3	10	ND	U
205-99-2--Benzo(b)fluoranthene		1.2	10	ND	U
207-08-9--Benzo(k)fluoranthene		1.9	10	ND	U
50-32-8---Benzo(a)pyrene		1.3	10	ND	U
193-39-5--Indeno(1,2,3-cd)pyrene		1.2	10	ND	U
53-70-3---Dibenzo(a,h)anthracene		1.4	10	ND	U
191-24-2--Benzo(g,h,i)perylene		1.4	10	ND	U

(1) - Cannot be separated from Diphenylamine

ND = Not Detected  
Q = Qualifier



FORM 4  
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

SBLKUN
--------

Lab Name: COMPUCHEM

Method: 8270C

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Lab File ID: 122268A64

Lab Sample ID: 122268

Instrument ID: 5972HP64

Date Extracted: 12/04/06

Matrix: (soil/water) WATER

Date Analyzed: 12/08/06

Level: (low/med) LOW

Time Analyzed: 2020

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	GW113006JRR0	1165202	1165202A64	12/08/06
02	GW113006JRR0	1165203	1165203A64	12/08/06
03	GW113006JRR0	1165204	1165204A64	12/09/06
04	GW113006JRR0	1165201	1165201J2A64	12/09/06
05	SUNLCS	122269	122269J2A64	12/09/06
06	SUNLCS	122270	122270J2A64	12/09/06
07				
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COMMENTS:

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1BCWC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: SBLKUN

Lab Project Number:  
Method: 8270C  
Date Collected: \_\_\_\_\_

Lab Sample ID: 122268  
Sample wt/vol: 1000 (g/mL) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 122268A64  
Analyst: 2401

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_  
Concentrated Extract Volume: 1000 (uL)  
Injection Volume: 1.0 (uL)  
GPC Cleanup: (Y/N) N  
Method Blank: 122268

Date Extracted: 12/04/06  
Date Analyzed: 12/08/06  
Dilution Factor: 1.0

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
1912-24-9-	Atrazine	2.5	10	ND	U

ND = Not Detected  
Q = Qualifier

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Compu Chem*

REFERENCE NUMBER:

*45596*

SAMPLER'S SIGNATURE: *John Raley*

PRINTED NAME: *John Raley*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS		
01	11/30/06	1305	GU - 45596-113006-SR-016	water	8	VOC, SUUC, PCB, Metals, 500mL	1165201 42 Sample in progress		
02	11/30/06	1430	GU - 45596-113006-SR-017		8	VOC, SUUC, PCB, Metals, 500mL	1165202 42 Progress		
03	11/30/06	1530	GU - 45596-117006-SR-018		8	VOC, SUUC, PCB, Metals, 500mL	1165203 42 Complete		
04	11/30/06	1720	GU - 45596-113006-SR-019		8	VOC, SUUC, PCB, Metals, 500mL	1165204 42		
			TRIP Blank		3		1165205 42		
TOTAL NUMBER OF CONTAINERS					35			HEALTH/CHEMICAL HAZARDS	

RELINQUISHED BY: *John Raley* DATE: 11/30/06 TIME: 1700 RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

METHOD OF SHIPMENT: *Fedex* WAY BILL No. \_\_\_\_\_

Write \_\_\_\_\_ Fully Executed Copy

Yellow \_\_\_\_\_ Receiving Laboratory Copy

Pink \_\_\_\_\_ Shipper Copy

Goldenrod \_\_\_\_\_ Sampler Copy

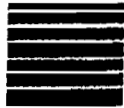
SAMPLE TEAM: \_\_\_\_\_

RECEIVED FOR LABORATORY BY: *Jennifer Dora* DATE: 11/30/06 TIME: 1200

NO N 4487

*REC'D @ 2.1 & 2.2 °C*

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11652	045596 2020 River Road Phase I	1165201	GW113006-JRR016	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-016
11652	045596 2020 River Road Phase I	1165202	GW113006-JRR017	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-017
11652	045596 2020 River Road Phase I	1165203	GW113006-JRR018	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-018
11652	045596 2020 River Road Phase I	1165204	GW113006-JRR019	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-019



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11652      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:** CLOSED      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165201	GW113006JRR016	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165202	GW113006JRR017	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165203	GW113006JRR018	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165204	GW113006JRR019	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

Workorder: 11652      Account: CRA      Project: 045596  
SDG-Case: 045596 2020      Status: CLOSED      QC Type: REPORT LCS/LCSD  
Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165205	TRIP BLANK	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD*TRIP BLK*VOC 5ML TCL4
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

**CompuChem, a Division of Liberty Analytical**  
**Extract Chain of Custody**

Batch: 10753

Date: 12/2/2006

Department: Organic Extractions

Sample ID	Client ID	Product	Matrix	Hold Date
1165201	GW113006JRR0	SW8270X	W	12/7/2006
1165202	GW113006JRR0	SW8270X	W	12/7/2006
1165203	GW113006JRR0	SW8270X	W	12/7/2006
1165204	GW113006JRR0	SW8270X	W	12/7/2006
122268	SBLKUN	SW8270X	W	12/9/2006
122269	SUNLCS	SW8270X	W	12/9/2006
122270	SUNLCS	SW8270X	W	12/9/2006

12.4.2

Relinquished By:

Y. [Signature]  
Ref. S#3  
AMP  
Gems Ref #3  
GM  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Received By:

Gems Ref #3  
AMP  
Ref. S#3  
GM  
Gems Ref #3  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Date/Time

12/4/06 12:30  
12/8/06 8:00 pm  
12/8/06 8:00 pm  
12/9 9:00  
12/9 10:00  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



# CompuChem

a division of Liberty Analytical Corp.

HC+CD+EDD

12-Dec-06

DARLA STEWART  
CRA  
2055 NIAGARA FALL BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596 - 2020 River Rd. Workorder: 11652

Attn.: DARLA STEWART

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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# CompuChem

a division of Liberty Analytical Corp.

HCT + CD + EDD

12-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

Subject:

Report of Data-Project: 045596

Workorder: 11652

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem

A Division of Liberty Analytical

Attachment

TOTAL NUMBER OF PAGES _____
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**CompuChem, a division of Liberty Analytical**

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<b>Hsn</b>	<b>Client ID</b>	<b>Wordorder</b>	<b>Matrix</b>	<b>Account</b>	<b>Project</b>	<b>Report</b>
1165201	GW113006JRR016	11652	W	CRA	045596	
1165202	GW113006JRR017	11652	W	CRA	045596	
1165203	GW113006JRR018	11652	W	CRA	045596	
1165204	GW113006JRR019	11652	W	CRA	045596	
1165205	TRIP BLANK	11652	W	CRA	045596	

# CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

## SDG NARRATIVE

SDG # 11652

PROTOCOL: SW-846

**SAMPLE IDENTIFICATIONS: GW113006JRR016, GW113006JRR017, GW113006JRR018, GW113006JRR019, and TRIP BLANK**

The five water samples listed above were received intact, properly refrigerated at 2.1-2.2°C, with proper documentation, in sealed shipping containers, on December 01, 2006.

The samples were scheduled for the requested analysis of the volatile fraction. SW-846, 3rd Edition, Update 3, Method 8260B was used to analyze the samples. All pertinent Quality Assurance Notices are included in the narrative section. This narrative pertains to the volatile fraction only.

### VOLATILES:

Analysis holding time requirements were met for all of these samples.

The pH value was one (1) for all of these samples.

The volatile target compound list (TCL) analyte Vinyl Chloride was identified above the Contract Required Quantitation Limit (CRQL) in sample GW113006JRR016.

Manual quantitations were performed on one or more of the process files associated with this SDG. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

Tentatively Identified Compounds (TICs) were not found in any of these samples.

All bromofluorobenzene (BFB) abundance criteria were met for tunes associated to this SDG. Overall QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the system monitoring compounds met recovery criteria in the analyses of these samples.

All of the internal standards met response and retention time criteria in the analyses of these samples.

The associated method blank met all quality control criteria. Method blank VBLKPU contained Toluene volatile target analyte at an acceptable level below the CRQL. Any positive detection for this analyte in the samples and/or QC sample associated with this blank has been flagged with a "B".

No matrix spike/matrix spike duplicate (MS/MSD) samples were requested with this SDG. The associated duplicate Laboratory Control Samples (LCS/LCSD) met all accuracy and precision criteria.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Furthermore, I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. Release of the data contained in this hardcopy data package and in the computer-readable data submitted electronically and on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

*S. A. Parikh*

Saroj A. Parikh  
GC/MS Case Reviewer  
December 11, 2006

## GC and GC/MS Column and Trap Specifications Table

SDG #: 11652

## COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
<b>GC Laboratory</b>					
	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
	Restek	CLPesticides	0.53	0.5	30
	Restek	CLPesticides II	0.53	0.42	30
	Restek	CLPesticides	0.32	0.5	30
	Restek	CLPesticides II	0.32	0.25	30
	J&W	DB-210	0.53	1.0	30
	J&W	GS-GASPRO	0.32	N/A	30
<b>GC Volatiles Laboratory</b>					
	Restek	RTX-Volatiles	0.53	2.0	30
<b>GC/MS Volatiles Laboratory</b>					
	Restek	RTX-624	0.32	1.8	60
	Restek	RTX-VMS*	0.18	1.0	20
✓	Phenomenex	ZB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3	75
	Supelco	SPB-624	0.32	1.8	60
<b>GC/MS Semivolatiles Laboratory</b>					
	Restek	RTX-5MS	0.25	0.3	30
	Restek	RTX-5MS	0.32	0.3	30
<b>HPLC Laboratory</b>					
	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
	Restek	Pinnacle Cyano	4.6	5	25 cm
	Restek	Allure C18	4.6	5	25 cm

## TRAPS

GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)
	* 7.7 cm Carbopack C
	* 1.2 cm Carbopack B
✓	Supelco K (Vocarb3000)
	* 10 cm of Carbopack B (Graphitized Carbons)
	* 6 cm of Carboxen 1000 (Carbon molecular sieves)
	* 1 cm of Carboxen 1001 (Carbon molecular sieves)

# **CompuChem**

a division of Liberty Analytical Corporation

## **CompuChem's Pagination Convention**

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.).

Revision 6 (12/6/2005)

# CompuChem

a division of Liberty Analytical Corporation

## Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC chemists. An Extracted Ion Current Profile (EICP) or a GC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC analysis. The manual editing/integration flags are:

- M** - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- H** - Denotes that the data reviewer, GC/MS operator, or GC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- MH** - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.
- L** - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.
- ML** - Denotes that an alternate library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

The EPA CLP SOW documents require additional explanations for manual editing/integration. In the accompanying raw data packages, additional codes have been applied to the "M" flag and carry the following meanings;

- M1** - The compound was not found by the automatic integration routine.
- M2** - The compound was incorrectly integrated by the automatic integration routine.
- M3** - The co-eluting compounds were incorrectly integrated by the automatic integration routine.

These codes will appear in the GC/MS and GC raw data.

Revision 7 (12/6/2005)

## DATA REPORTING QUALIFIERS

On the Form I, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on Form I for each compound. The qualifiers used are:

- U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.
- J : This flag indicates an estimated value. The flag is used as detailed below:
1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,
  2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and
  3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.
- N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches  $\geq 85\%$  in the SOM01.1 SOW), the N flag is not used.
- P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P. For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the higher of the two values is reported and flagged with a P. When the RPD is equal to or less than 40%, our policy is to also report the higher of the two values, although the choice could be a project specific issue. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.
- C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

## DATA REPORTING QUALIFIERS (continued)

- B :** This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.
- E :** This flag identifies compounds whose concentrations (responses in the SOM01.1 SOW) exceed the upper level of the calibration range (exceed the response of the high ICAL standard in the SOM01.1 SOW) of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range (greater than the response of the highest ICAL standard in the SOM01.1 SOW), the sample or extract will be diluted and reanalyzed. All such compounds with a response greater than the upper level of the calibration range (with responses greater than the response of the highest ICAL standard in the SOM01.1 SOW) will have the concentration (result in the SOM01.1 SOW) flagged with an E on Form I for the original analysis.
- D :** If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration (response in the SOM01.1 SOW) of an analyte exceeds the upper calibration range (exceeds the response of the highest ICAL standard in the SOM01.1 SOW), the DL suffix is appended to the sample number on the Form I for the more diluted sample, and all reported concentrations on that Form I are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.
- NOTE 1:** The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.
- NOTE 2:** Separate Forms I are used for reporting the original analysis (Client Sample No. XXXXXX) and the more diluted sample analysis (Client Sample No. XXXXXXDL) i.e. the results from both analyses are not combined on a single Form I.
- A:** This flag indicates that a TIC is a suspected aldol-condensation product.
- S:** In the SOM01.1 SOW, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor.
- X/Y/Z :** Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.



# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*Compu Chem*

REFERENCE NUMBER:

*45596*

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *John Raby*

SEQ. NO.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/30/06	1305	GW-45596-113006-502-016	water	3	VOC, SUIC, PCB, Metals, Spill	Sample in progress
02	11/30	1430	GW-45596-113006-502-017		3	VOC, SUIC, PCB, Metals, Spill	Sample in progress
03	11/30	1530	GW-45596-113006-502-018		3	VOC, SUIC, PCB, Metals, Spill	Sample in progress
04	11/20	1120	GW-45596-113006-502-019		3	VOC, SUIC, PCB, Metals, Spill	Complete
			TRIP Blank		3	VOC, SUIC, PCB, Metals, Spill	

TOTAL NUMBER OF CONTAINERS: **35**

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *[Signature]* DATE: *11/30/06* TIME: *1700* RECEIVED BY: *[Signature]* DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

METHOD OF SHIPMENT: *F&X* WAY BILL No. \_\_\_\_\_

White - Fully Executed Copy  
 Yellow - Receiving Laboratory Copy  
 Pink - Shipper Copy  
 Goldenrod - Sampler Copy

SAMPLE TEAM: \_\_\_\_\_ RECEIVED FOR LABORATORY BY: *[Signature]* DATE: *11/30/06* TIME: *10:00*

No **N** 4487

*Rec'd @ 2.1 & 2.2°C*

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11652	045596 2020 River Road Phase I	1165201	GW113006JRR016	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-016
11652	045596 2020 River Road Phase I	1165202	GW113006JRR017	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-017
11652	045596 2020 River Road Phase I	1165203	GW113006JRR018	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-018
11652	045596 2020 River Road Phase I	1165204	GW113006JRR019	11/30/06	12/01/06	12/12/06	GW-45596-113006-JRR-019



# CompuChem

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## WORKORDER SUMMARY REPORT

**Workorder:** 11652      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:** CLOSED      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165201	GW113006JRR016	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165202	GW113006JRR017	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165203	GW113006JRR018	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			
1165204	GW113006JRR019	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD (USE FULL APPIX. SPIKE FOR SVOC)*VOC 5ML TCL4*SVOC TCL4*PCB 8082*TAL METALS
W	GW82PCB	PCB 8082 WATER			
W	MW6010TAL	METAL 6010B TAL WATER			
W	MW7470HG	MERCURY ONLY 7470A WATER			
W	SW8270TCL4	SVOC 8270C TCL4 WATER			
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			



# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

Workorder: 11652      Account: CRA      Project: 045596  
SDG-Case: 045596 2020      Status: CLOSED      QC Type: REPORT LCS/LCSD  
Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1165205	TRIP BLANK	11/30/2006	12/1/2006	12/12/2006	LCS/LCSD*TRIP BLK*VOC 5ML TCL4
W	VW82-5TC4	VOC 8260B 5ML TCL4 WATER			

**CompuChem, a Division of Liberty Analytical**

**INTERNAL CHAIN OF CUSTODY**

Laboratory: Volatiles

Matrix: W

Request Date: 12/1/2006

Batch 19757

Comments: \_\_\_\_\_

	CCN	Receipt	Analysis Param	Container	Preservative	Bottle
1	116520	12/1/2006	VW8260_5X	40MLVIAL	HCL	1165201-1
2	116520	12/1/2006	VW8260_5X	40MLVIAL	HCL	1165202-1
3	116520	12/1/2006	VW8260_5X	40MLVIAL	HCL	1165203-1
4	116520	12/1/2006	VW8260_5X	40MLVIAL	HCL	1165204-1
5	116520	12/1/2006	VW8260_5X	40MLVIAL	HCL	1165205-1

Relinquished By:	Received By:	Date/Time	Reason
<u>  R/2  </u>	<u>  JAO  </u>	<u>  12-6  1300  </u>	<u>  [Signature]  </u>
<u>  MA  </u>	<u>  R/2  </u>	<u>  +  1300  </u>	<u>  [Signature]  </u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Friday, December 01, 2006

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR016  
  
Lab Sample ID: 1165201  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06  
  
Date Received: 12/01/06  
Lab File ID: 1165201A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	ND	U
74-87-3	Chloromethane	0.85	5	ND	U
75-01-4	Vinyl Chloride	0.72	5	9.3	
74-83-9	Bromomethane	0.45	5	ND	U
75-00-3	Chloroethane	0.64	5	ND	U
75-69-4	Trichlorofluoromethane	0.63	5	ND	U
75-35-4	1,1-Dichloroethene	0.91	5	ND	U
75-15-0	Carbon disulfide	0.83	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	ND	U
67-64-1	Acetone	4.8	13	ND	U
75-09-2	Methylene Chloride	0.80	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.94	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.54	5	ND	U
75-34-3	1,1-Dichloroethane	0.97	5	ND	U
156-59-2	cis-1,2-Dichloroethene	1.0	5	3.2	J
78-93-3	2-butanone	4.9	13	ND	J
67-66-3	Chloroform	0.94	5	1.5	J
71-55-6	1,1,1-Trichloroethane	1.0	5	ND	U
56-23-5	Carbon Tetrachloride	0.95	5	ND	U
71-43-2	Benzene	1.1	5	ND	U
107-06-2	1,2-Dichloroethane	0.90	5	ND	U
79-01-6	Trichloroethene	1.0	5	ND	U
78-87-5	1,2-Dichloropropane	1.0	5	ND	U
75-27-4	Bromodichloromethane	0.92	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.88	5	ND	U
108-10-1	4-Methyl-2-pentanone	4.3	13	ND	U
108-88-3	Toluene	0.72	5	1.5	JB
10061-02-6	trans-1,3-Dichloropropene	0.89	5	ND	U
79-00-5	1,1,2-Trichloroethane	1.0	5	ND	U
127-18-4	Tetrachloroethene	1.1	5	ND	U
591-78-6	2-hexanone	4.0	13	ND	U
124-48-1	Dibromochloromethane	0.96	5	ND	U
106-93-4	1,2-Dibromoethane	0.93	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR016

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165201  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165201A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7--	Chlorobenzene	1.2	5	ND	U
100-41-4--	Ethylbenzene	1.1	5	ND	U
100-42-5--	Styrene	1.1	5	ND	U
75-25-2---	Bromoform	0.80	5	ND	U
98-82-8---	Isopropyl Benzene	1.1	5	ND	U
79-34-5---	1,1,2,2-Tetrachloroethane	0.86	5	ND	U
541-73-1--	1,3-Dichlorobenzene	1.5	5	ND	U
106-46-7--	1,4-Dichlorobenzene	1.2	5	ND	U
95-50-1---	1,2-Dichlorobenzene	1.4	5	ND	U
96-12-8---	1,2-Dibromo-3-Chloropropane	0.62	5	ND	U
120-82-1--	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7-	Xylene (total)	1.1	5	ND	U
79-20-9---	Methyl acetate	0.83	5	ND	U
110-82-7--	Cyclohexane	0.98	5	ND	U
108-87-2--	Methylcyclohexane	1.1	5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW113006JRR016

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix: (soil/water) WATER

Lab Sample ID: 1165201

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

Lab File ID: 1165201A59

Level: (low/med) LOW

Date Received: 12/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 12/06/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR017

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165202  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165202A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	ND	U
74-87-3	Chloromethane	0.85	5	ND	U
75-01-4	Vinyl Chloride	0.72	5	ND	U
74-83-9	Bromomethane	0.45	5	ND	U
75-00-3	Chloroethane	0.64	5	ND	U
75-69-4	Trichlorofluoromethane	0.63	5	ND	U
75-35-4	1,1-Dichloroethene	0.91	5	ND	U
75-15-0	Carbon disulfide	0.83	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	ND	U
67-64-1	Acetone	4.8	13	ND	U
75-09-2	Methylene Chloride	0.80	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.94	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.54	5	ND	U
75-34-3	1,1-Dichloroethane	0.97	5	ND	U
156-59-2	cis-1,2-Dichloroethene	1.0	5	ND	U
78-93-3	2-butanone	4.9	13	ND	U
67-66-3	Chloroform	0.94	5	ND	U
71-55-6	1,1,1-Trichloroethane	1.0	5	ND	U
56-23-5	Carbon Tetrachloride	0.95	5	ND	U
71-43-2	Benzene	1.1	5	ND	U
107-06-2	1,2-Dichloroethane	0.90	5	ND	U
79-01-6	Trichloroethene	1.0	5	ND	U
78-87-5	1,2-Dichloropropane	1.0	5	ND	U
75-27-4	Bromodichloromethane	0.92	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.88	5	ND	U
108-10-1	4-Methyl-2-pentanone	4.3	13	ND	U
108-88-3	Toluene	0.72	5	1.2	JB
10061-02-6	trans-1,3-Dichloropropene	0.89	5	ND	U
79-00-5	1,1,2-Trichloroethane	1.0	5	ND	U
127-18-4	Tetrachloroethene	1.1	5	ND	U
591-78-6	2-hexanone	4.0	13	ND	U
124-48-1	Dibromochloromethane	0.96	5	ND	U
106-93-4	1,2-Dibromoethane	0.93	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR017

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165202  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165202A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7	Chlorobenzene	1.2	5	ND	U
100-41-4	Ethylbenzene	1.1	5	ND	U
100-42-5	Styrene	1.1	5	ND	U
75-25-2	Bromoform	0.80	5	ND	U
98-82-8	Isopropyl Benzene	1.1	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.86	5	ND	U
541-73-1	1,3-Dichlorobenzene	1.5	5	ND	U
106-46-7	1,4-Dichlorobenzene	1.2	5	ND	U
95-50-1	1,2-Dichlorobenzene	1.4	5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7	Xylene (total)	1.1	5	ND	U
79-20-9	Methyl acetate	0.83	5	ND	U
110-82-7	Cyclohexane	0.98	5	ND	U
108-87-2	Methylcyclohexane	1.1	5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW113006JRR017

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix: (soil/water) WATER

Lab Sample ID: 1165202

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

Lab File ID: 1165202A59

Level: (low/med) LOW

Date Received: 12/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 12/06/06

GC Column: ZB-624 ID: 0.32 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR018

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165203  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165203A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	ND	U
74-87-3	Chloromethane	0.85	5	ND	U
75-01-4	Vinyl Chloride	0.72	5	ND	U
74-83-9	Bromomethane	0.45	5	ND	U
75-00-3	Chloroethane	0.64	5	ND	U
75-69-4	Trichlorofluoromethane	0.63	5	ND	U
75-35-4	1,1-Dichloroethene	0.91	5	ND	U
75-15-0	Carbon disulfide	0.83	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	ND	U
67-64-1	Acetone	4.8	13	ND	U
75-09-2	Methylene Chloride	0.80	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.94	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.54	5	ND	U
75-34-3	1,1-Dichloroethane	0.97	5	ND	U
156-59-2	cis-1,2-Dichloroethene	1.0	5	ND	U
78-93-3	2-butanone	4.9	13	ND	U
67-66-3	Chloroform	0.94	5	2.1	J
71-55-6	1,1,1-Trichloroethane	1.0	5	ND	U
56-23-5	Carbon Tetrachloride	0.95	5	ND	U
71-43-2	Benzene	1.1	5	ND	U
107-06-2	1,2-Dichloroethane	0.90	5	ND	U
79-01-6	Trichloroethene	1.0	5	ND	U
78-87-5	1,2-Dichloropropane	1.0	5	ND	U
75-27-4	Bromodichloromethane	0.92	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.88	5	ND	U
108-10-1	4-Methyl-2-pentanone	4.3	13	ND	U
108-88-3	Toluene	0.72	5	1.1	JB
10061-02-6	trans-1,3-Dichloropropene	0.89	5	ND	U
79-00-5	1,1,2-Trichloroethane	1.0	5	ND	U
127-18-4	Tetrachloroethene	1.1	5	ND	U
591-78-6	2-hexanone	4.0	13	ND	U
124-48-1	Dibromochloromethane	0.96	5	ND	U
106-93-4	1,2-Dibromoethane	0.93	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR018

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165203  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165203A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7	Chlorobenzene	1.2	5	ND	U
100-41-4	Ethylbenzene	1.1	5	ND	U
100-42-5	Styrene	1.1	5	ND	U
75-25-2	Bromoform	0.80	5	ND	U
98-82-8	Isopropyl Benzene	1.1	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.86	5	ND	U
541-73-1	1,3-Dichlorobenzene	1.5	5	ND	U
106-46-7	1,4-Dichlorobenzene	1.2	5	ND	U
95-50-1	1,2-Dichlorobenzene	1.4	5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7	Xylene (total)	1.1	5	ND	U
79-20-9	Methyl acetate	0.83	5	ND	U
110-82-7	Cyclohexane	0.98	5	ND	U
108-87-2	Methylcyclohexane	1.1	5	ND	U

ND = Not Detected  
Q = Qualifier



1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR019

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165204  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165204A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	ND	U
74-87-3	Chloromethane	0.85	5	ND	U
75-01-4	Vinyl Chloride	0.72	5	ND	U
74-83-9	Bromomethane	0.45	5	ND	U
75-00-3	Chloroethane	0.64	5	ND	U
75-69-4	Trichlorofluoromethane	0.63	5	ND	U
75-35-4	1,1-Dichloroethene	0.91	5	ND	U
75-15-0	Carbon disulfide	0.83	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	ND	U
67-64-1	Acetone	4.8	13	ND	U
75-09-2	Methylene Chloride	0.80	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.94	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.54	5	ND	U
75-34-3	1,1-Dichloroethane	0.97	5	ND	U
156-59-2	cis-1,2-Dichloroethene	1.0	5	ND	U
78-93-3	2-butanone	4.9	13	ND	U
67-66-3	Chloroform	0.94	5	ND	U
71-55-6	1,1,1-Trichloroethane	1.0	5	ND	U
56-23-5	Carbon Tetrachloride	0.95	5	ND	U
71-43-2	Benzene	1.1	5	ND	U
107-06-2	1,2-Dichloroethane	0.90	5	ND	U
79-01-6	Trichloroethene	1.0	5	ND	U
78-87-5	1,2-Dichloropropane	1.0	5	ND	U
75-27-4	Bromodichloromethane	0.92	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.88	5	ND	U
108-10-1	4-Methyl-2-pentanone	4.3	13	ND	U
108-88-3	Toluene	0.72	5	1.3	JB
10061-02-6	trans-1,3-Dichloropropene	0.89	5	ND	U
79-00-5	1,1,2-Trichloroethane	1.0	5	ND	U
127-18-4	Tetrachloroethene	1.1	5	ND	U
591-78-6	2-hexanone	4.0	13	ND	U
124-48-1	Dibromochloromethane	0.96	5	ND	U
106-93-4	1,2-Dibromoethane	0.93	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: GW113006JRR019

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165204  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165204A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7--	Chlorobenzene	1.2	5	ND	U
100-41-4--	Ethylbenzene	1.1	5	ND	U
100-42-5--	Styrene	1.1	5	ND	U
75-25-2---	Bromoform	0.80	5	ND	U
98-82-8---	Isopropyl Benzene	1.1	5	ND	U
79-34-5---	1,1,2,2-Tetrachloroethane	0.86	5	ND	U
541-73-1--	1,3-Dichlorobenzene	1.5	5	ND	U
106-46-7--	1,4-Dichlorobenzene	1.2	5	ND	U
95-50-1---	1,2-Dichlorobenzene	1.4	5	ND	U
96-12-8---	1,2-Dibromo-3-Chloropropane	0.62	5	ND	U
120-82-1--	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7-	Xylene (total)	1.1	5	ND	U
79-20-9---	Methyl acetate	0.83	5	ND	U
110-82-7--	Cyclohexane	0.98	5	ND	U
108-87-2--	Methylcyclohexane	1.1	5	ND	U

ND = Not Detected  
Q = Qualifier



FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

GW113006JRR019

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY      Case No.:

SAS No.:

SDG No.: 11652

Matrix: (soil/water) WATER

Lab Sample ID: 1165204

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

Lab File ID:      1165204A59

Level:      (low/med)      LOW

Date Received: 12/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 12/06/06

GC Column: ZB-624      ID: 0.32      (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: TRIP BLANK

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165205  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165205A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	ND	U
74-87-3	Chloromethane	0.85	5	ND	U
75-01-4	Vinyl Chloride	0.72	5	ND	U
74-83-9	Bromomethane	0.45	5	ND	U
75-00-3	Chloroethane	0.64	5	ND	U
75-69-4	Trichlorofluoromethane	0.63	5	ND	U
75-35-4	1,1-Dichloroethene	0.91	5	ND	U
75-15-0	Carbon disulfide	0.83	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	0.94	5	ND	U
67-64-1	Acetone	4.8	13	ND	U
75-09-2	Methylene Chloride	0.80	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.94	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.54	5	ND	U
75-34-3	1,1-Dichloroethane	0.97	5	ND	U
156-59-2	cis-1,2-Dichloroethene	1.0	5	ND	U
78-93-3	2-butanone	4.9	13	ND	U
67-66-3	Chloroform	0.94	5	ND	U
71-55-6	1,1,1-Trichloroethane	1.0	5	ND	U
56-23-5	Carbon Tetrachloride	0.95	5	ND	U
71-43-2	Benzene	1.1	5	ND	U
107-06-2	1,2-Dichloroethane	0.90	5	ND	U
79-01-6	Trichloroethene	1.0	5	ND	U
78-87-5	1,2-Dichloropropane	1.0	5	ND	U
75-27-4	Bromodichloromethane	0.92	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.88	5	ND	U
108-10-1	4-Methyl-2-pentanone	4.3	13	ND	U
108-88-3	Toluene	0.72	5	1.1	JB
10061-02-6	trans-1,3-Dichloropropene	0.89	5	ND	U
79-00-5	1,1,2-Trichloroethane	1.0	5	ND	U
127-18-4	Tetrachloroethene	1.1	5	ND	U
591-78-6	2-hexanone	4.0	13	ND	U
124-48-1	Dibromochloromethane	0.96	5	ND	U
106-93-4	1,2-Dibromoethane	0.93	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: TRIP BLANK

Lab Project Number:  
Method: 8260B  
Date Collected: 11/30/06

Lab Sample ID: 1165205  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: 12/01/06  
Lab File ID: 1165205A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7	Chlorobenzene	1.2	5	ND	U
100-41-4	Ethylbenzene	1.1	5	ND	U
100-42-5	Styrene	1.1	5	ND	U
75-25-2	Bromoform	0.80	5	ND	U
98-82-8	Isopropyl Benzene	1.1	5	ND	U
79-34-5	1,1,2,2-Tetrachloroethane	0.86	5	ND	U
541-73-1	1,3-Dichlorobenzene	1.5	5	ND	U
106-46-7	1,4-Dichlorobenzene	1.2	5	ND	U
95-50-1	1,2-Dichlorobenzene	1.4	5	ND	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	5	ND	U
120-82-1	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7	Xylene (total)	1.1	5	ND	U
79-20-9	Methyl acetate	0.83	5	ND	U
110-82-7	Cyclohexane	0.98	5	ND	U
108-87-2	Methylcyclohexane	1.1	5	ND	U

ND = Not Detected  
Q = Qualifier

FORM 1  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: COMPUCHEM Contract: 8260B  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11652  
 Matrix: (soil/water) WATER Lab Sample ID: 1165205  
 Sample wt/vol: 5 (g/ml) ML Lab File ID: 1165205A59  
 Level: (low/med) LOW Date Received: 12/01/06  
 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 12/06/06  
 GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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FORM I VOA-TIC

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: VPULCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121871  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 121871A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	43	
74-87-3	Chloromethane	0.85	5	46	
75-01-4	Vinyl Chloride	0.72	5	44	
74-83-9	Bromomethane	0.45	5	63	
75-00-3	Chloroethane	0.64	5	48	
75-69-4	Trichlorofluoromethane	0.63	5	48	
75-35-4	1,1-Dichloroethene	0.91	5	53	
75-15-0	Carbon disulfide	0.83	5	58	
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	57	
67-64-1	Acetone	4.8	13	120	
75-09-2	Methylene Chloride	0.80	5	63	
156-60-5	trans-1,2-Dichloroethene	0.94	5	53	
1634-04-4	Methyl-tert-butyl ether	0.54	5	50	
75-34-3	1,1-Dichloroethane	0.97	5	49	
156-59-2	cis-1,2-Dichloroethene	1.0	5	54	
78-93-3	2-butanone	4.9	13	89	
67-66-3	Chloroform	0.94	5	53	
71-55-6	1,1,1-Trichloroethane	1.0	5	55	
56-23-5	Carbon Tetrachloride	0.95	5	57	
71-43-2	Benzene	1.1	5	50	
107-06-2	1,2-Dichloroethane	0.90	5	50	
79-01-6	Trichloroethene	1.0	5	56	
78-87-5	1,2-Dichloropropane	1.0	5	47	
75-27-4	Bromodichloromethane	0.92	5	56	
10061-01-5	cis-1,3-Dichloropropene	0.88	5	50	
108-10-1	4-Methyl-2-pentanone	4.3	13	93	
108-88-3	Toluene	0.72	5	50	B
10061-02-6	trans-1,3-Dichloropropene	0.89	5	47	
79-00-5	1,1,2-Trichloroethane	1.0	5	49	
127-18-4	Tetrachloroethene	1.1	5	51	
591-78-6	2-hexanone	4.0	13	84	
124-48-1	Dibromochloromethane	0.96	5	56	
106-93-4	1,2-Dibromoethane	0.93	5	51	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: VPULCS

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121871  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 121871A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7	Chlorobenzene	1.2	5	52	
100-41-4	Ethylbenzene	1.1	5	53	
100-42-5	Styrene	1.1	5	58	
75-25-2	Bromoform	0.80	5	54	
98-82-8	Isopropyl Benzene	1.1	5	45	
79-34-5	1,1,2,2-Tetrachloroethane	0.86	5	44	
541-73-1	1,3-Dichlorobenzene	1.5	5	48	
106-46-7	1,4-Dichlorobenzene	1.2	5	47	
95-50-1	1,2-Dichlorobenzene	1.4	5	48	
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	5	47	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	47	
1330-20-7	Xylene (total)	1.1	5	150	
79-20-9	Methyl acetate	0.83	5	44	
110-82-7	Cyclohexane	0.98	5	44	
108-87-2	Methylcyclohexane	1.1	5	43	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: VPULCSD

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121874  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 121874A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	43	
74-87-3	Chloromethane	0.85	5	50	
75-01-4	Vinyl Chloride	0.72	5	45	
74-83-9	Bromomethane	0.45	5	62	
75-00-3	Chloroethane	0.64	5	49	
75-69-4	Trichlorofluoromethane	0.63	5	48	
75-35-4	1,1-Dichloroethene	0.91	5	54	
75-15-0	Carbon disulfide	0.83	5	54	
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	53	
67-64-1	Acetone	4.8	13	120	
75-09-2	Methylene Chloride	0.80	5	66	
156-60-5	trans-1,2-Dichloroethene	0.94	5	54	
1634-04-4	Methyl-tert-butyl ether	0.54	5	51	
75-34-3	1,1-Dichloroethane	0.97	5	50	
156-59-2	cis-1,2-Dichloroethene	1.0	5	56	
78-93-3	2-butanone	4.9	13	85	
67-66-3	Chloroform	0.94	5	53	
71-55-6	1,1,1-Trichloroethane	1.0	5	53	
56-23-5	Carbon Tetrachloride	0.95	5	56	
71-43-2	Benzene	1.1	5	49	
107-06-2	1,2-Dichloroethane	0.90	5	50	
79-01-6	Trichloroethene	1.0	5	52	
78-87-5	1,2-Dichloropropane	1.0	5	48	
75-27-4	Bromodichloromethane	0.92	5	57	
10061-01-5	cis-1,3-Dichloropropene	0.88	5	51	
108-10-1	4-Methyl-2-pentanone	4.3	13	92	
108-88-3	Toluene	0.72	5	49	B
10061-02-6	trans-1,3-Dichloropropene	0.89	5	44	
79-00-5	1,1,2-Trichloroethane	1.0	5	48	
127-18-4	Tetrachloroethene	1.1	5	53	
591-78-6	2-hexanone	4.0	13	89	
124-48-1	Dibromochloromethane	0.96	5	55	
106-93-4	1,2-Dibromoethane	0.93	5	51	

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: VPULCSD

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121874  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 121874A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7	Chlorobenzene	1.2	5	49	
100-41-4	Ethylbenzene	1.1	5	52	
100-42-5	Styrene	1.1	5	58	
75-25-2	Bromoform	0.80	5	55	
98-82-8	Isopropyl Benzene	1.1	5	47	
79-34-5	1,1,2,2-Tetrachloroethane	0.86	5	45	
541-73-1	1,3-Dichlorobenzene	1.5	5	50	
106-46-7	1,4-Dichlorobenzene	1.2	5	48	
95-50-1	1,2-Dichlorobenzene	1.4	5	49	
96-12-8	1,2-Dibromo-3-Chloropropane	0.62	5	46	
120-82-1	1,2,4-Trichlorobenzene	1.7	5	52	
1330-20-7	Xylene (total)	1.1	5	150	
79-20-9	Methyl acetate	0.83	5	46	
110-82-7	Cyclohexane	0.98	5	48	
108-87-2	Methylcyclohexane	1.1	5	47	

ND = Not Detected  
Q = Qualifier



FORM 2  
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

	CLIENT SAMPLE NO.	SMC1 (DBF) #	SMC2 (DCE) #	SMC3 (TOL) #	SMC4 (BFB) #	TOT OUT
01	VBLKPU	110	102	99	101	0
02	VPULCS	102	99	96	97	0
03	VPULCSD	102	93	98	99	0
04	GW113006JRR0	104	92	97	100	0
05	GW113006JRR0	106	102	95	103	0
06	GW113006JRR0	105	100	94	102	0
07	GW113006JRR0	107	99	97	101	0
08	TRIP BLANK	115	106	96	99	0
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QC LIMITS

SMC1 (DBF) = Dibromofluoromethane (66-128)  
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (55-147)  
 SMC3 (TOL) = Toluene-d8 (50-150)  
 SMC4 (BFB) = Bromofluorobenzene (70-132)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3A  
WATER VOLATILE LAB CONTROL SAMPLE

VPULCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: VPULCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		42.76	86	50-150
Chloromethane	50		45.87	92	50-150
Vinyl Chloride	50		44.04	88	50-150
Bromomethane	50		62.7	125	50-150
Chloroethane	50		48.26	97	50-150
Trichlorofluoromethane	50		47.55	95	50-150
1,1-Dichloroethene	50		53.02	106	50-150
Carbon disulfide	50		57.68	115	50-150
1,1,2-trichloro-1,2,2-t	50		57.03	114	50-150
Acetone	125		118.2	95	50-150
Methylene Chloride	50		62.89	126	50-150
trans-1,2-Dichloroethen	50		53.37	107	50-150
Methyl-tert-butyl ether	50		50.08	100	50-150
1,1-Dichloroethane	50		48.63	97	50-150
cis-1,2-Dichloroethene	50		54.19	108	50-150
2-butanone	125		88.7	71	50-150
Chloroform	50		52.6	105	50-150
1,1,1-Trichloroethane	50		55.21	110	50-150
Carbon Tetrachloride	50		56.83	114	50-150
Benzene	50		49.79	100	50-150
1,2-Dichloroethane	50		49.63	99	50-150
Trichloroethene	50		56.07	112	50-150
1,2-Dichloropropane	50		47.47	95	50-150
Bromodichloromethane	50		55.95	112	50-150
cis-1,3-Dichloropropene	50		50.41	101	50-150
4-Methyl-2-pentanone	125		93.22	75	50-150
Toluene	50		50.24	100	50-150
trans-1,3-Dichloroprope	50		46.52	93	50-150

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

\* Values outside of QC limits

COMMENTS:

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3A  
WATER VOLATILE LAB CONTROL SAMPLE

VPULCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: VPULCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1,2-Trichloroethane	50		49.39	99	50-150
Tetrachloroethene	50		51.07	102	50-150
2-hexanone	125		83.85	67	50-150
Dibromochloromethane	50		56.12	112	50-150
1,2-Dibromoethane	50		51.12	102	50-150
Chlorobenzene	50		51.93	104	50-150
Ethylbenzene	50		53.04	106	50-150
Styrene	50		58.36	117	50-150
Bromoform	50		53.89	108	50-150
Isopropyl Benzene	50		45.27	91	50-150
1,1,2,2-Tetrachloroetha	50		43.87	88	50-150
1,3-Dichlorobenzene	50		48.34	97	50-150
1,4-Dichlorobenzene	50		47.07	94	50-150
1,2-Dichlorobenzene	50		47.7	95	50-150
1,2-Dibromo-3-Chloropro	50		46.53	93	50-150
1,2,4-Trichlorobenzene	50		46.98	94	50-150
Xylene (total)	150		153.5	102	50-150
Methyl acetate	50		44.44	89	50-150
Cyclohexane	50		44.08	88	50-150
Methylcyclohexane	50		43.01	86	50-150

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

\* Values outside of QC limits

COMMENTS:

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3A  
WATER VOLATILE LAB CONTROL SAMPLE

VPULCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: VPULCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Dichlorodifluoromethane	50	42.6	85	1	40	50-150
Chloromethane	50	49.75	100	8	40	50-150
Vinyl Chloride	50	44.91	90	2	40	50-150
Bromomethane	50	62.4	125	0	40	50-150
Chloroethane	50	49.14	98	1	40	50-150
Trichlorofluoromethane	50	48	96	1	40	50-150
1,1-Dichloroethene	50	53.98	108	2	40	50-150
Carbon disulfide	50	53.81	108	6	40	50-150
1,1,2-trichloro-1,2,2-t	50	52.91	106	7	40	50-150
Acetone	125	117.2	94	1	40	50-150
Methylene Chloride	50	66.01	132	5	40	50-150
trans-1,2-Dichloroethen	50	54.19	108	1	40	50-150
Methyl-tert-butyl ether	50	50.98	102	2	40	50-150
1,1-Dichloroethane	50	49.72	99	2	40	50-150
cis-1,2-Dichloroethene	50	55.53	111	3	40	50-150
2-butanone	125	84.93	68	4	40	50-150
Chloroform	50	53.27	107	2	40	50-150
1,1,1-Trichloroethane	50	53.03	106	4	40	50-150
Carbon Tetrachloride	50	55.98	112	2	40	50-150
Benzene	50	49.16	98	2	40	50-150
1,2-Dichloroethane	50	49.56	99	0	40	50-150
Trichloroethene	50	52.1	104	7	40	50-150
1,2-Dichloropropane	50	47.93	96	1	40	50-150
Bromodichloromethane	50	57.02	114	2	40	50-150
cis-1,3-Dichloropropene	50	50.77	102	1	40	50-150
4-Methyl-2-pentanone	125	92.17	74	1	40	50-150
Toluene	50	48.92	98	2	40	50-150
trans-1,3-Dichloroprope	50	44.46	89	4	40	50-150

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

\* Values outside of QC limits

COMMENTS: \_\_\_\_\_

3A  
WATER VOLATILE LAB CONTROL SAMPLE

VPULCS

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11652

Matrix Spike - EPA Sample No.: VPULCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichloroethane	50	47.75	96	3	40	50-150
Tetrachloroethene	50	53.29	107	5	40	50-150
2-hexanone	125	88.62	71	6	40	50-150
Dibromochloromethane	50	54.86	110	2	40	50-150
1,2-Dibromoethane	50	50.84	102	0	40	50-150
Chlorobenzene	50	49.33	99	5	40	50-150
Ethylbenzene	50	51.88	104	2	40	50-150
Styrene	50	58.36	117	0	40	50-150
Bromoform	50	55.16	110	2	40	50-150
Isopropyl Benzene	50	47.13	94	3	40	50-150
1,1,2,2-Tetrachloroetha	50	45.08	90	2	40	50-150
1,3-Dichlorobenzene	50	49.85	100	3	40	50-150
1,4-Dichlorobenzene	50	47.59	95	1	40	50-150
1,2-Dichlorobenzene	50	49.18	98	3	40	50-150
1,2-Dibromo-3-Chloropro	50	45.9	92	1	40	50-150
1,2,4-Trichlorobenzene	50	52	104	10	40	50-150
Xylene (total)	150	153.3	102	0	40	50-150
Methyl acetate	50	46.37	93	4	40	50-150
Cyclohexane	50	47.91	96	9	40	50-150
Methylcyclohexane	50	46.84	94	9	40	50-150

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

\* Values outside of QC limits

RPD: 0 out of 48 outside limits

Spike Recovery: 0 out of 96 outside limits

COMMENTS:

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FORM 4  
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO

VBLKPU

Lab Name: COMPUCHEM

Contract: 8260B

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11652

Lab File ID: 121868A59

Lab Sample ID: 121868

Date Analyzed: 12/06/06

Time Analyzed: 1435

GC Column: ZB-624 ID: 0.32 (mm)

Heated Purge: (Y/N) Y

Instrument ID: 5972HP59

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VPULCS	121871	121871A59	1609
02	VPULCSD	121874	121874A59	1640
03	GW113006JRR0	1165201	1165201A59	1858
04	GW113006JRR0	1165202	1165202A59	1928
05	GW113006JRR0	1165203	1165203A59	1959
06	GW113006JRR0	1165204	1165204A59	2030
07	TRIP BLANK	1165205	1165205A59	2100
08				
09				
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12				
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30				

COMMENTS:

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: VBLKPU

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121868  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received:  
Lab File ID: 121868A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
75-71-8	Dichlorodifluoromethane	0.73	5	ND	U
74-87-3	Chloromethane	0.85	5	ND	U
75-01-4	Vinyl Chloride	0.72	5	ND	U
74-83-9	Bromomethane	0.45	5	ND	U
75-00-3	Chloroethane	0.64	5	ND	U
75-69-4	Trichlorofluoromethane	0.63	5	ND	U
75-35-4	1,1-Dichloroethene	0.91	5	ND	U
75-15-0	Carbon disulfide	0.83	5	ND	U
76-13-1	1,1,2-trichloro-1,2,2-triflu	0.94	5	ND	U
67-64-1	Acetone	4.8	13	ND	U
75-09-2	Methylene Chloride	0.80	5	ND	U
156-60-5	trans-1,2-Dichloroethene	0.94	5	ND	U
1634-04-4	Methyl-tert-butyl ether	0.54	5	ND	U
75-34-3	1,1-Dichloroethane	0.97	5	ND	U
156-59-2	cis-1,2-Dichloroethene	1.0	5	ND	U
78-93-3	2-butanone	4.9	13	ND	U
67-66-3	Chloroform	0.94	5	ND	U
71-55-6	1,1,1-Trichloroethane	1.0	5	ND	U
56-23-5	Carbon Tetrachloride	0.95	5	ND	U
71-43-2	Benzene	1.1	5	ND	U
107-06-2	1,2-Dichloroethane	0.90	5	ND	U
79-01-6	Trichloroethene	1.0	5	ND	U
78-87-5	1,2-Dichloropropane	1.0	5	ND	U
75-27-4	Bromodichloromethane	0.92	5	ND	U
10061-01-5	cis-1,3-Dichloropropene	0.88	5	ND	U
108-10-1	4-Methyl-2-pentanone	4.3	13	ND	U
108-88-3	Toluene	0.72	5	1.2	U
10061-02-6	trans-1,3-Dichloropropene	0.89	5	ND	U
79-00-5	1,1,2-Trichloroethane	1.0	5	ND	U
127-18-4	Tetrachloroethene	1.1	5	ND	U
591-78-6	2-hexanone	4.0	13	ND	U
124-48-1	Dibromochloromethane	0.96	5	ND	U
106-93-4	1,2-Dibromoethane	0.93	5	ND	U

ND = Not Detected  
Q = Qualifier

1AWC  
VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Project ID:  
Client SDG No: 11652  
Client Sample ID: VBLKPU

Lab Project Number:  
Method: 8260B  
Date Collected: \_\_\_\_\_

Lab Sample ID: 121868  
Sample wt/vol: 5 (g/ml) ML  
Level: (low/med) LOW

Date Received: \_\_\_\_\_  
Lab File ID: 121868A59  
Analyst: 2473

% Moisture: not dec.  
GC Column: ZB-624 ID: 0.32 (mm)

Date Analyzed: 12/06/06  
Dilution Factor: 1.0

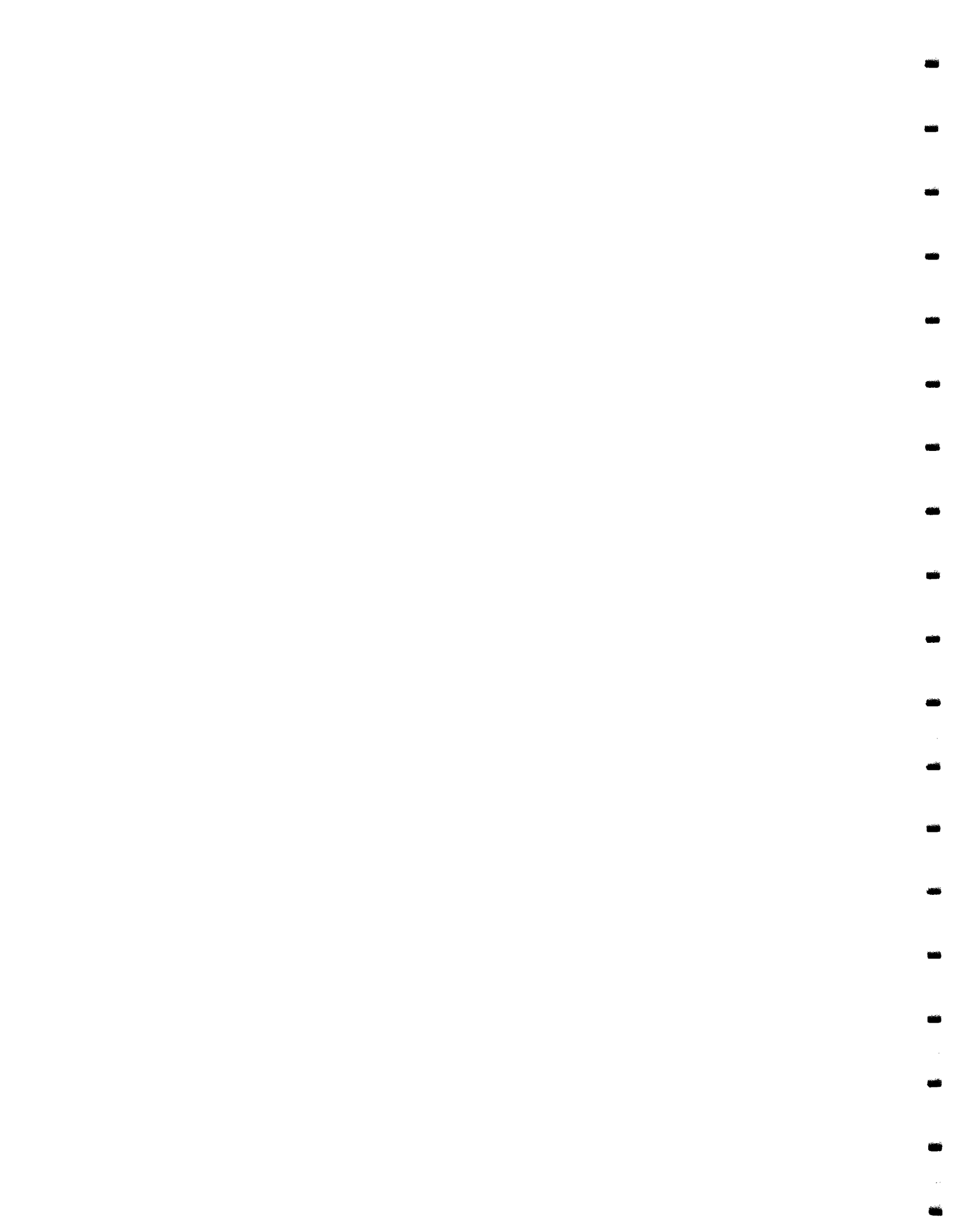
Soil Extract Volume: \_\_\_\_\_ (uL)  
Method Blank: 121868

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	MDL	Reporting Limit UG/L	Results UG/L	Q
108-90-7--	Chlorobenzene	1.2	5	ND	U
100-41-4--	Ethylbenzene	1.1	5	ND	U
100-42-5--	Styrene	1.1	5	ND	U
75-25-2---	Bromoform	0.80	5	ND	U
98-82-8---	Isopropyl Benzene	1.1	5	ND	U
79-34-5---	1,1,2,2-Tetrachloroethane	0.86	5	ND	U
541-73-1--	1,3-Dichlorobenzene	1.5	5	ND	U
106-46-7--	1,4-Dichlorobenzene	1.2	5	ND	U
95-50-1---	1,2-Dichlorobenzene	1.4	5	ND	U
96-12-8---	1,2-Dibromo-3-Chloropropane	0.62	5	ND	U
120-82-1--	1,2,4-Trichlorobenzene	1.7	5	ND	U
1330-20-7-	Xylene (total)	1.1	5	ND	U
79-20-9---	Methyl acetate	0.83	5	ND	U
110-82-7--	Cyclohexane	0.98	5	ND	U
108-87-2--	Methylcyclohexane	1.1	5	ND	U

ND = Not Detected  
Q = Qualifier









# CompuChem

a division of Liberty Analytical Corp.

HC+CD+ED))

11-Dec-06

JEFFREY WIND  
CRA  
2055 NIAGARA FALLS BLVD.  
SUITE 3  
NIAGARA FALLS, NY 14304

**Subject:**

Report of Data-Project: 045596 2020 RIVER Workorder: 11631  
RD

Attn.: JEFFREY WIND

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers sample(s) appearing on the attached listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097.

Sincerely,

CompuChem  
A Division of Liberty Analytical

Attachment

TOTAL NUMBER  
OF PAGES 47

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**CompuChem, a division of Liberty Analytical**

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<b>Hsn</b>	<b>Client ID</b>	<b>Wordorder</b>	<b>Matrix</b>	<b>Account</b>	<b>Project</b>	<b>Report</b>
1163101	S112706JRR001	11631	S	CRA	045596	
1163102	S112706JRR002	11631	S	CRA	045596	
1163103	S112706JRR003	11631	S	CRA	045596	
1163104	S112706JRR004	11631	S	CRA	045596	
1163105	S112706JRR005	11631	S	CRA	045596	
1163106	S112706JRR006	11631	S	CRA	045596	
1163107	S112806JRR007	11631	S	CRA	045596	
1163108	S112806JRR008	11631	S	CRA	045596	
1163109	S112806JRR009	11631	S	CRA	045596	
1163110	S112806JRR010	11631	S	CRA	045596	
1163111	S112806JRR011	11631	S	CRA	045596	
1163112	S112806JRR012	11631	S	CRA	045596	
1163113	S112906JRR013	11631	S	CRA	045596	
1163114	S112906JRR014	11631	S	CRA	045596	
1163115	S112906JRR015	11631	S	CRA	045596	

# CompuChem

a division of Liberty Analytical Corporation

501 Madison Avenue

Cary, N.C. 27513

Tel: 919/379-4100 Fax: 919/379-4050

## SDG NARRATIVE SDG # 11631 PROTOCOL: SW-846

**SAMPLE IDENTIFICATIONS:** S112706JRR001, S112706JRR002, S112706JRR003, S112706JRR004, S112706JRR005, S112706JRR006, S112806JRR007, S112806JRR008, S112806JRR009, S112806JRR010, S112806JRR011, S112806JRR012, S112906JRR013, S112906JRR014, S112906JRR015

The fifteen soil samples listed above were scheduled for the requested analysis of the PCB fraction. The requested SW-846, 3rd Edition, Update 3, Method 8082 was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices for SDG #11631 are included in the sample data sections.

### PCBs

Extraction and analysis holding time requirements were met for the samples. Sulfur cleanup was performed on each of the samples and QC.

Target analytes confirmed above the reporting limits in samples S112806JRR007, S112806JRR009, S112806JRR011, and S112906JRR013. Also, S112706JRR001, was analyzed and reported at a dilution due to target analytes that exceeded the calibration range.

All QC criteria were met for all initial and continuing calibration standards associated to this SDG.

All of the surrogates met recovery criteria, with the exceptions of S112706JRR005, S112806JRR009, S112806JRR012, and S112906JRR013.

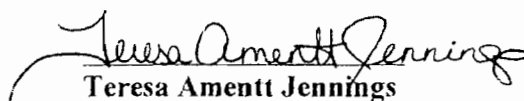
The method blanks associated with the samples met all quality control criteria.

Duplicate matrix spikes were not performed with this SDG. The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met all recovery and precision criteria for all spike analytes.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice.

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

  
Teresa Amentt Jennings

GC Data Review  
December 11, 2006

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

*CompuChem*

REFERENCE NUMBER:

45596

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: **J. J. R. J.**

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/27/06	9:20	S-45596-112706-STR-2-601	S	3	VOC 40 SVOC PCB 500 Metals 100	1163101
02		9:35	S-45596-112706-STR-2-002		3		1163102
03		10:50	S-45596-112706-STR-2-003		3		1163103
04		11:00	S-45596-112706-STR-2-004		3		1163104
05		13:00	S-45596-112706-STR-2-005		3		1163105
06		1:31D	S-45596-112706-STR-2-006		3		1163106

TOTAL NUMBER OF CONTAINERS

24

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *[Signature]* DATE: 11/27/06 TIME: 14:00 RECEIVED BY: ① DATE: TIME: TIME:

RELINQUISHED BY: ② DATE: TIME: TIME: RECEIVED BY: ② DATE: TIME: TIME:

RELINQUISHED BY: ③ DATE: TIME: TIME: RECEIVED BY: ③ DATE: TIME: TIME:

METHOD OF SHIPMENT: *Fed Ex* WAY BILL NO. \_\_\_\_\_

White - Fully Executed Copy  
 Yellow - Receiving Laboratory Copy  
 Pink - Shipper Copy  
 Goldenrod - Sampler Copy

SAMPLE TEAM: *RAB* RECEIVED FOR LABORATORY BY: *[Signature]*  
 DATE: 11-28-06 TIME: 9:18

No **N** 4600

*rec'd @ 4:20*

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11631	045596 2020 River Road Phase I	1163101	S112706JRR001	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-001
11631	045596 2020 River Road Phase I	1163102	S112706JRR002	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-002
11631	045596 2020 River Road Phase I	1163103	S112706JRR003	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-003
11631	045596 2020 River Road Phase I	1163104	S112706JRR004	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-004
11631	045596 2020 River Road Phase I	1163105	S112706JRR005	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-005
11631	045596 2020 River Road Phase I	1163106	S112706JRR006	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-006
11631	045596 2020 River Road Phase I	1163107	S112806JRR007	11/28/06	11/28/06	12/10/06	S-45596-112806-JRR-007
11631	045596 2020 River Road Phase I	1163108	S112806JRR008	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-008
11631	045596 2020 River Road Phase I	1163109	S112806JRR009	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-009
11631	045596 2020 River Road Phase I	1163110	S112806JRR010	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-010
11631	045596 2020 River Road Phase I	1163111	S112806JRR011	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-011
11631	045596 2020 River Road Phase I	1163112	S112806JRR012	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-012



# CompuChem

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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1163101	S112706JRR001	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163102	S112706JRR002	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163103	S112706JRR003	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163104	S112706JRR004	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			





# CompuChem

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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163105	S112706JRR005	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163106	S112706JRR006	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163107	S112806JRR007	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163108	S112806JRR008	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			



# CompuChem

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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163109	S112806JRR009	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163110	S112806JRR010	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163111	S112806JRR011	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163112	S112806JRR012	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS



**CompuChem**

a division of Liberty Analytical Corp.

**WORKORDER SUMMARY REPORT**

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name):

Compu Chem

REFERENCE NUMBER:

45596

SAMPLER'S SIGNATURE: *John Ruby* PRINTED NAME: John Ruby

SEQ. No.	DATE	TIME	SAMPLE NO.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/24/06	9:20	5-45596-112806-302-007	Soil	3	VOC, SVOC, PCB, Metals, etc.	1163107
02	11/24/06	9:35	5-45596-112806-302-008		3		1163108
03	11/30	11:30	5-45596-112806-302-009		3		1163109
04	11/40	11:40	5-45596-112806-302-010		3		1163110
05	11/00	14:00	5-45596-112806-302-011		3		1163111
06	11/10	14:10	5-45596-112806-302-012		3		1163112

PER DATA TIMES FOR -011 & -012 ARE 14:00 & 14:10 (ESP.)

*John Ruby*  
*11/28/06*  
*11/29/06*  
*11/29/06*

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RECEIVED BY: *John Ruby* DATE: *11/28/06* TIME: *11:28/06*

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

METHOD OF SHIPMENT: *EX*

WAY BILL No. \_\_\_\_\_

RECEIVED FOR LABORATORY BY: *John Ruby* DATE: *11/29/06* TIME: *10:00*

White Fully Executed Copy  
 Yellow Receiving Laboratory Copy  
 Pink Shipper Copy  
 Goldenrod Sampler Copy

SAMPLE TEAM: *John Ruby*

No **N** 4485

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11631	045596 2020 River Road Phase I	1163101	S112706JRR001	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-001
11631	045596 2020 River Road Phase I	1163102	S112706JRR002	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-002
11631	045596 2020 River Road Phase I	1163103	S112706JRR003	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-003
11631	045596 2020 River Road Phase I	1163104	S112706JRR004	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-004
11631	045596 2020 River Road Phase I	1163105	S112706JRR005	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-005
11631	045596 2020 River Road Phase I	1163106	S112706JRR006	11/27/06	11/28/06	12/10/06	S-45596-112706-JRR-006
11631	045596 2020 River Road Phase I	1163107	S112806JRR007	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-007
11631	045596 2020 River Road Phase I	1163108	S112806JRR008	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-008
11631	045596 2020 River Road Phase I	1163109	S112806JRR009	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-009
11631	045596 2020 River Road Phase I	1163110	S112806JRR010	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-010
11631	045596 2020 River Road Phase I	1163111	S112806JRR011	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-011
11631	045596 2020 River Road Phase I	1163112	S112806JRR012	11/28/06	11/29/06	12/10/06	S-45596-112806-JRR-012



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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1163101	S112706JRR001	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163102	S112706JRR002	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163103	S112706JRR003	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163104	S112706JRR004	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			



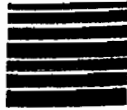
# CompuChem

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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163105	S112706JRR005	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163106	S112706JRR006	11/27/2006	11/28/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163107	S112806JRR007	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163108	S112806JRR008	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			



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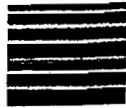
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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163109	S112806JRR009	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163110	S112806JRR010	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163111	S112806JRR011	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163112	S112806JRR012	11/28/2006	11/29/2006	12/10/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS





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## WORKORDER SUMMARY REPORT

Workorder: 11631      Account: CRA      Project: 045596  
SDG-Case: 045596 2020      Status:      QC Type: REPORT LCS/LCSD  
Report Style: PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 2055 Niagara Falls Blvd., Suite 3  
 Niagara Falls, N.Y. 14304 (716) 297-6150

SHIPPED TO (Laboratory Name): Cowen Chem

REFERENCE NUMBER: 45526

SAMPLER'S SIGNATURE: [Signature] PRINTED NAME: John Reby

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
01	11/24/06	9:00	S-45576-112906-3R2-013	S-1	3	VOC SUD M-T-X PCB 804 402	1163113
02	11/24/06	9:15	S-45576-112906-3R2-014	↓	3	X X X X	1163114
03	11/24/06	11:00	S-45576-112906-3R2-015	↓	3	X X X X	1163115

TOTAL NUMBER OF CONTAINERS: 9

HEALTH/CHEMICAL HAZARDS: rec'd @ 4.6 °C

RELINQUISHED BY: [Signature] DATE: 11/29/06 TIME: 1:00

RECEIVED BY: [Signature] DATE: 11/30/06 TIME: 9:15

METHOD OF SHIPMENT: Fed Ex WAY BILL No. \_\_\_\_\_

RECEIVED FOR LABORATORY BY: [Signature] DATE: 11/30/06 TIME: 9:15

SAMPLE TEAM: Reby

White - Fully Executed Copy  
 Yellow - Receiving Laboratory Copy  
 Pink - Shipper Copy  
 Goldenrod - Sampler Copy

No N 4486

LAB_WO_ID	PROJECT_ID	HSN	CUST_SAMPLE_ID	COLLECT_DATE	RECEIVE_DATE	DUE_DATE	AUX_DATA
11631	045596 2020 River Road Phase I	1163101	S112706JRR001	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-001
11631	045596 2020 River Road Phase I	1163102	S112706JRR002	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-002
11631	045596 2020 River Road Phase I	1163103	S112706JRR003	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-003
11631	045596 2020 River Road Phase I	1163104	S112706JRR004	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-004
11631	045596 2020 River Road Phase I	1163105	S112706JRR005	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-005
11631	045596 2020 River Road Phase I	1163106	S112706JRR006	11/27/06	11/28/06	12/11/06	S-45596-112706-JRR-006
11631	045596 2020 River Road Phase I	1163107	S112806JRR007	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-007
11631	045596 2020 River Road Phase I	1163108	S112806JRR008	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-008
11631	045596 2020 River Road Phase I	1163109	S112806JRR009	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-009
11631	045596 2020 River Road Phase I	1163110	S112806JRR010	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-010
11631	045596 2020 River Road Phase I	1163111	S112806JRR011	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-011
11631	045596 2020 River Road Phase I	1163112	S112806JRR012	11/28/06	11/29/06	12/11/06	S-45596-112806-JRR-012
11631	045596 2020 River Road Phase I	1163113	S112906JRR013	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-013
11631	045596 2020 River Road Phase I	1163114	S112906JRR014	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-014
11631	045596 2020 River Road Phase I	1163115	S112906JRR015	11/29/06	11/30/06	12/11/06	S-45596-112906-JRR-015



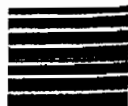
# CompuChem

a division of Liberty Analytical Corp.

## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
1163101	S112706JRR001	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163102	S112706JRR002	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163103	S112706JRR003	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163104	S112706JRR004	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			



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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163105	S112706JRR005	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163106	S112706JRR006	11/27/2006	11/28/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163107	S112806JRR007	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163108	S112806JRR008	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			



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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163109	S112806JRR009	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163110	S112806JRR010	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163111	S112806JRR011	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163112	S112806JRR012	11/28/2006	11/29/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS



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## WORKORDER SUMMARY REPORT

**Workorder:** 11631      **Account:** CRA      **Project:** 045596  
**SDG-Case:** 045596 2020      **Status:**      **QC Type:** REPORT LCS/LCSD  
**Report Style:** PQL/MDL FORMS STYLE 3 WITH EDD & CD

SAMPLE ID	CLIENT ID	COLLECT DATE	RECEIVE DATE	DUE DATE	COMMENTS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163113	S112906JRR013	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163114	S112906JRR014	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			
1163115	S112906JRR015	11/29/2006	11/30/2006	12/11/2006	FULL SPIKE LCS/LCSD FOR QC*USE APPIX. SPIKE FOR SVOC*TCL4 VOC & SVOC*PCB 8082*TAL METALS
S	DRY WEIGHT	Dry Weight			
S	GS82PCB	PCB 8082 SOIL			
S	MS6010TAL	METAL 6010B TAL SOIL			
S	MS7471HG	MERCURY ONLY 7471A SOIL			
S	SS8270LTC4	SVOC LL 8270C TCL4 SOIL			
S	VS8260LTC4	VOC LL 8260B TCL4 SOIL			

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PTULCS

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
 Matrix: (soil/water) SOIL Lab Sample ID: 121959  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 % Moisture: 0 decanted: (Y/N) N Date Received: \_\_\_\_\_  
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	200	
11104-28-2-----	Aroclor-1221	34	U
11141-16-5-----	Aroclor-1232	17	U
53469-21-9-----	Aroclor-1242	17	U
12672-29-6-----	Aroclor-1248	17	U
11097-69-1-----	Aroclor-1254	17	U
11096-82-5-----	Aroclor-1260	220	

FORM I PEST

AMENDED  
DATA



1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PTULCSD

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 121960

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 0 decanted: (Y/N) N

Date Received: \_\_\_\_\_

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/30/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/30/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	190	
11104-28-2-----	Aroclor-1221	34	U
11141-16-5-----	Aroclor-1232	17	U
53469-21-9-----	Aroclor-1242	17	U
12672-29-6-----	Aroclor-1248	17	U
11097-69-1-----	Aroclor-1254	17	U
11096-82-5-----	Aroclor-1260	190	

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PUULCS

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 122485

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 0      decanted: (Y/N) N

Date Received: \_\_\_\_\_

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/05/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	150	
11104-28-2-----	Aroclor-1221	34	U
11141-16-5-----	Aroclor-1232	17	U
53469-21-9-----	Aroclor-1242	17	U
12672-29-6-----	Aroclor-1248	17	U
11097-69-1-----	Aroclor-1254	17	U
11096-82-5-----	Aroclor-1260	160	

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PUJLCSD

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 122486

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 0      decanted: (Y/N) N

Date Received: \_\_\_\_\_

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/05/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N      pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	150	
11104-28-2-----	Aroclor-1221	34	U
11141-16-5-----	Aroclor-1232	17	U
53469-21-9-----	Aroclor-1242	17	U
12672-29-6-----	Aroclor-1248	17	U
11097-69-1-----	Aroclor-1254	17	U
11096-82-5-----	Aroclor-1260	160	

FORM I PEST

AMENDED  
DATA

23



1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112706JRR002

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
 Matrix: (soil/water) SOIL Lab Sample ID: 1163102  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 % Moisture: 23 decanted: (Y/N) N Date Received: 11/28/06  
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Aroclor-1016	31	U
11104-28-2-----	Aroclor-1221	44	U
11141-16-5-----	Aroclor-1232	22	U
53469-21-9-----	Aroclor-1242	22	U
12672-29-6-----	Aroclor-1248	22	U
11097-69-1-----	Aroclor-1254	22	U
11096-82-5-----	Aroclor-1260	22	U

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112706JRR003

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163103

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 31 decanted: (Y/N) N

Date Received: 11/28/06

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/30/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/30/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	35	U
11104-28-2-----	Aroclor-1221	49	U
11141-16-5-----	Aroclor-1232	25	U
53469-21-9-----	Aroclor-1242	25	U
12672-29-6-----	Aroclor-1248	25	U
11097-69-1-----	Aroclor-1254	25	U
11096-82-5-----	Aroclor-1260	25	U

AMENDED  
DATA

FORM I PEST

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112706JRR004

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
 Matrix: (soil/water) SOIL Lab Sample ID: 1163104  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 % Moisture: 23 decanted: (Y/N) N Date Received: 11/28/06  
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
12674-11-2	Aroclor-1016	31	U	
11104-28-2	Aroclor-1221	44	U	
11141-16-5	Aroclor-1232	22	U	
53469-21-9	Aroclor-1242	22	U	
12672-29-6	Aroclor-1248	22	U	
11097-69-1	Aroclor-1254	22	U	
11096-82-5	Aroclor-1260	22	U	

FORM I PEST

**AMENDED  
DATA**

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112706JRR005

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
 Matrix: (soil/water) SOIL Lab Sample ID: 1163105  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 % Moisture: 22 decanted: (Y/N) N Date Received: 11/28/06  
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
12674-11-2-----	Aroclor-1016	31	U
11104-28-2-----	Aroclor-1221	44	U
11141-16-5-----	Aroclor-1232	22	U
53469-21-9-----	Aroclor-1242	22	U
12672-29-6-----	Aroclor-1248	22	U
11097-69-1-----	Aroclor-1254	22	U
11096-82-5-----	Aroclor-1260	22	U

FORM I PEST

**AMENDED  
DATA**



1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112706JRR006

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163106

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 24      decanted: (Y/N) N

Date Received: 11/28/06

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/30/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/30/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N      pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	32	U
11104-28-2-----	Aroclor-1221	45	U
11141-16-5-----	Aroclor-1232	22	U
53469-21-9-----	Aroclor-1242	22	U
12672-29-6-----	Aroclor-1248	22	U
11097-69-1-----	Aroclor-1254	22	U
11096-82-5-----	Aroclor-1260	18	J

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112806JRR007

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
 Matrix: (soil/water) SOIL Lab Sample ID: 1163107  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 % Moisture: 23 decanted: (Y/N) N Date Received: 11/29/06  
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

12674-11-2-----	Aroclor-1016	31	U
11104-28-2-----	Aroclor-1221	44	U
11141-16-5-----	Aroclor-1232	22	U
53469-21-9-----	Aroclor-1242	22	U
12672-29-6-----	Aroclor-1248	22	U
11097-69-1-----	Aroclor-1254	30	
11096-82-5-----	Aroclor-1260	100	P

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112806JRR008

Lab Name: COMPUCHEM Contract: 8082  
 Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
 Matrix: (soil/water) SOIL Lab Sample ID: 1163108  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
 % Moisture: 24 decanted: (Y/N) N Date Received: 11/29/06  
 Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/01/06  
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION	UNIT
12674-11-2-----	Aroclor-1016	32	U
11104-28-2-----	Aroclor-1221	45	U
11141-16-5-----	Aroclor-1232	22	U
53469-21-9-----	Aroclor-1242	22	U
12672-29-6-----	Aroclor-1248	22	U
11097-69-1-----	Aroclor-1254	22	U
11096-82-5-----	Aroclor-1260	22	U

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112806JRR009

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163109

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 20 decanted: (Y/N) N

Date Received: 11/29/06

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/30/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/01/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
12674-11-2-----	Aroclor-1016	30	U	
11104-28-2-----	Aroclor-1221	43	U	
11141-16-5-----	Aroclor-1232	21	U	
53469-21-9-----	Aroclor-1242	21	U	
12672-29-6-----	Aroclor-1248	21	U	
11097-69-1-----	Aroclor-1254	21	U	
11096-82-5-----	Aroclor-1260	42		

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112806JRR010

Lab Name: COMPUCHEM Contract: 8082  
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
Matrix: (soil/water) SOIL Lab Sample ID: 1163110  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
% Moisture: 20 decanted: (Y/N) N Date Received: 11/29/06  
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/03/06  
Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
12674-11-2-----	Aroclor-1016	30	U	
11104-28-2-----	Aroclor-1221	43	U	
11141-16-5-----	Aroclor-1232	21	U	
53469-21-9-----	Aroclor-1242	21	U	
12672-29-6-----	Aroclor-1248	21	U	
11097-69-1-----	Aroclor-1254	21	U	
11096-82-5-----	Aroclor-1260	21	U	

FORM I PEST

AMENDED  
DATA

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112806JRR011

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 1163111

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 19      decanted: (Y/N) N

Date Received: 11/29/06

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 11/30/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/03/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	30	U
11104-28-2-----	Aroclor-1221	42	U
11141-16-5-----	Aroclor-1232	21	U
53469-21-9-----	Aroclor-1242	21	U
12672-29-6-----	Aroclor-1248	21	U
11097-69-1-----	Aroclor-1254	140	
11096-82-5-----	Aroclor-1260	170	

FORM I PEST

AMENDED  
DATA







1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S112906JRR014
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Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631

Matrix: (soil/water) SOIL Lab Sample ID: 1163114

Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_

% Moisture: 24 decanted: (Y/N) N Date Received: 11/30/06

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/05/06

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

12674-11-2-----	Aroclor-1016	32	U
11104-28-2-----	Aroclor-1221	45	U
11141-16-5-----	Aroclor-1232	22	U
53469-21-9-----	Aroclor-1242	22	U
12672-29-6-----	Aroclor-1248	22	U
11097-69-1-----	Aroclor-1254	22	U
11096-82-5-----	Aroclor-1260	22	U

FORM I PEST

**AMENDED  
DATA**



2F  
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

GC Column(1): CLPEST

ID: 0.32 (mm)

GC Column(2): CLPEST2

ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKTU	110	98	120	106			0
02	PTULCS	120	108	130	112			0
03	PTULCSD	110	94	56	49			0
04	S112706JRR00	110	93	110	100			0
05	S112706JRR00	120	102	130	115			0
06	S112706JRR00	110	100	120	105			0
07	S112706JRR00	110	99	46	39*			1
08	S112706JRR00	100	90	110	98			0
09	S112806JRR00	110	92	110	100			0
10	S112806JRR00	110	98	120	100			0
11	S112806JRR00	390 *	89	33 *	28*			3
12	PBLKUT	93	90	95	89			0
13	S112706JRR00	100	101	110	110			0
14	S112806JRR01	83	81	84	77			0
15	S112806JRR01	100	47	96	93			0
16	S112806JRR01	43	42*	44	42*			2
17	PBLKUU	81	77	99	87			0
18	PUULCS	85	80	100	88			0
19	PUULCSD	86	81	100	90			0
20	S112906JRR01	0 *	83	85	75			1
21	S112906JRR01	73	70	89	77			0
22	S112906JRR01	84	79	98	83			0
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY  
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (43-135)

S2 (DCB) = Decachlorobiphenyl (43-144)

# Column to be used to flag recovery values

\* Values outside of QC limits

D Surrogate diluted out

3F  
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

LCS ID: PTULCS Matrix Spike - EPA Sample No.: PTULCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	170		200	118	50-145
Aroclor-1260	170		220	129	37-137

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	170	190	112	5	20	50-145
Aroclor-1260	170	190	112	15	20	37-137

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

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

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3F  
SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

LCS ID: PUULCS Matrix Spike - EPA Sample No.: PUULCS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	170		150	88	50-145
Aroclor-1260	170		160	94	37-137

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	170	150	88	0	20	50-145
Aroclor-1260	170	160	94	0	20	37-137

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

\* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

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4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKTU
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Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY Case No.:

SAS No.:

SDG No.: 11631

Lab Sample ID: 121958

Lab File ID: 144B121958

Matrix (soil/water) SOIL

Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup (Y/N) N

Date Extracted: 11/30/06

Date Analyzed (1): 11/30/06

Date Analyzed (2): 11/30/06

Time Analyzed (1): 1908

Time Analyzed (2): 1908

Instrument ID (1): AGILENT92

Instrument ID (2): AGILENT93

GC Column (1): CLPEST

ID: 0.32 (mm)

GC Column (2): CLPEST2

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PTULCS	121959	11/30/06	11/30/06
02	PTULCSD	121960	11/30/06	11/30/06
03	S112706JRR00	1163102	11/30/06	11/30/06
04	S112706JRR00	1163103	11/30/06	11/30/06
05	S112706JRR00	1163104	11/30/06	11/30/06
06	S112706JRR00	1163105	11/30/06	11/30/06
07	S112706JRR00	1163106	11/30/06	11/30/06
08	S112806JRR00	1163107	11/30/06	11/30/06
09	S112806JRR00	1163108	12/01/06	12/01/06
10	S112806JRR00	1163109	12/01/06	12/01/06
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_

1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKTU

Lab Name: COMPUCHEM Contract: 8082  
Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 11631  
Matrix: (soil/water) SOIL Lab Sample ID: 121958  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: \_\_\_\_\_  
& Moisture: 0 decanted: (Y/N) N Date Received: \_\_\_\_\_  
Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/30/06  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/30/06  
Injection Volume: 1.0 (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

12674-11-2-----	Aroclor-1016	24	U
11104-28-2-----	Aroclor-1221	34	U
11141-16-5-----	Aroclor-1232	17	U
53469-21-9-----	Aroclor-1242	17	U
12672-29-6-----	Aroclor-1248	17	U
11097-69-1-----	Aroclor-1254	17	U
11096-82-5-----	Aroclor-1260	17	U

FORM I PEST

AMENDED  
DATA

4C  
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLKUT
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Lab Name: COMPUCHEM	Contract: 8082
Lab Code: LIBRTY    Case No.:	SAS No.:                    SDG No.: 11631
Lab Sample ID: 121958R	Lab File ID: 350D121958
Matrix (soil/water) SOIL	Extraction: (SepF/Cont/Sonc) SONC
Sulfur Cleanup (Y/N) N	Date Extracted: 11/30/06
Date Analyzed (1): 12/03/06	Date Analyzed (2): 12/03/06
Time Analyzed (1): 0216	Time Analyzed (2): 0216
Instrument ID (1): TRACEGC86	Instrument ID (2): TRACEGC87
GC Column (1): CLPEST    ID: 0.32(mm)	GC Column (2): CLPEST2    ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	S112706JRR00	1163101	12/03/06	12/03/06
02	S112806JRR01	1163110	12/03/06	12/03/06
03	S112806JRR01	1163111	12/03/06	12/03/06
04	S112806JRR01	1163112	12/03/06	12/03/06
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS: \_\_\_\_\_







1D  
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLKUU

Lab Name: COMPUCHEM

Contract: 8082

Lab Code: LIBRTY

Case No.:

SAS No.:

SDG No.: 11631

Matrix: (soil/water) SOIL

Lab Sample ID: 122484

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: \_\_\_\_\_

% Moisture: 0      decanted: (Y/N) N

Date Received: \_\_\_\_\_

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/05/06

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 12/06/06

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N      pH: \_\_\_\_

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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12674-11-2-----	Aroclor-1016	24	U
11104-28-2-----	Aroclor-1221	34	U
11141-16-5-----	Aroclor-1232	17	U
53469-21-9-----	Aroclor-1242	17	U
12672-29-6-----	Aroclor-1248	17	U
11097-69-1-----	Aroclor-1254	17	U
11096-82-5-----	Aroclor-1260	17	U

FORM I PEST

AMENDED  
DATA